



COTTAGE GROVE CITY COUNCIL
12800 RAVINE PARKWAY SOUTH
COTTAGE GROVE, MINNESOTA 55016
COUNCIL CHAMBER - 7:00 PM

January 22, 2025

- 1 Call to Order
- 2 Pledge of Allegiance
- 3 Roll Call
- 4 Open Forum
- 5 Adoption of Agenda
- 6 Presentations
 - A 2024 Annual Photo Contest Winners
Staff Recommendation: Receive presentation on Capture Cottage Grove winners.
- 7 Consent Agenda
 - A City Council Regular Meeting Minutes (2024-11-20)
Staff Recommendation: Approve the November 20, 2024, Regular Meeting Minutes.
 - B City Council Regular Meeting Minutes (2024-12-4)
Staff Recommendation: Approve the December 4, 2024, Regular Meeting Minutes.
 - C City Council Regular Meeting Minutes (2024-12-18)
Staff Recommendation: Approve the December 18, 2024, Regular Minutes.
 - D City Council Regular Meeting (2025-01-08)
Staff Recommendation: Approve the January 8, 2025, Regular Meeting Minutes.
 - E Temporary Single Occasion Gambling Permit - Accacia Lodge No. 51
Staff Recommendation: Authorize issuance of a single-occasion gambling permit to David Gene Martin, on behalf of the Accacia Lodge No. 51, to conduct a raffle at 11094 70th Street South on October 4, 2025.
 - F Massage Business and Massage Therapist License - Savannah Marie Koenig
Staff Recommendation: Authorize issuance of a massage business license and massage therapist license to Savannah Marie Koenig at the location of Salons by JC (7240 East Point Douglas Road South Suite 160 #36).
 - G Authorize entering into an agreement with Judith Graf for transcription services for 2025.
Staff Recommendation: Approve the agreement with Judith Graf for transcription services for 2025.
 - H Rental License Approvals
Staff Recommendation: Approve the issuance of rental licenses to the properties listed in the attached table.
 - I Convention and Visitors Bureau Member Appointment - Khambata
Staff Recommendation: Appoint Tony Khambata to fill the vacant seat on the Convention and Visitors Bureau Board of Directors to a three-year term ending on 12/31/2028.

- J Non-criminal Justice Agency Joint Powers Agreement with the MN BCA
Staff Recommendation: Approve and execute the non-criminal justice agency Joint Powers Agreement (NCJA JPA) with the Minnesota Bureau of Criminal Apprehension.
- K Pay Equity Report
Staff Recommendation: Accept the Pay Equity Report to be submitted to the State of Minnesota.
- L Abatement of Utility Billing Certification
Staff Recommendation: Adopt resolution 2025-09, authorizing the abatement of utility billing certification in the amount of \$4,049.09.
- M Fee Table Revision - Credit Card Fees
Staff Recommendation: Adopt Ordinance 1092, amending the City Fee Table.
- N Parks Trailer Purchase
Staff Recommendation: Approve the increased budget amount of the parks trailer from \$22,000 to \$23,898.88.
- O Polco National Community Survey
Staff Recommendation: Approve the Polco Confluence Inc. software subscription and support agreement in the amount of \$29,300.
- P FlowMSP Pre-planning Software
Staff Recommendation: Staff recommends the approval for the purchase of FlowMSP SaaS in the amount of \$2000 annually.
- Q KnowBe4 Security Awareness Add-on
Staff Recommendation: Staff recommends the approval of the KnowBe4 Security Awareness solution in the amount of \$11,298.
- R 2nd Draft 3M NPDES Permit – Public Comments
Staff Recommendation: Approve the 3M Draft NPDES Permit Comments.
- S HERO Center – Range Re-Roof Project Final Payment
Staff Recommendation: Adopt Resolution 2025-010 authorizing final payment of \$13,868.95 to Diverse Construction Services, LLC for the HERO Center Range Re-Roof project.
- T County Road 19A & 100th Street Realignment – Final Design MOU
Staff Recommendation: Approve the Memorandum of Understanding with Washington County for the County 19A & 100th Street Project related to final design, environmental documentation, and municipal consent.

8 Approve Disbursements

- A Approve Disbursements

9 Public Hearings

10 Bid Awards

11 Regular Agenda

12 Council Comments and Requests

13 Workshops - Open to Public

- A Future Park Projects (LOST)

Staff Recommendation: Receive information and provide direction on future park projects.

B New Development Boulevard Tree Requirements

Staff Recommendation: Approve the removal of boulevard trees adjacent to homes in new developments and allow staff to begin the process of updating City ordinances to reflect this change.

C Modifications to the Issuing of Temporary Certificates of Occupancy

Staff Recommendation: Review and provide direction on the proposed clarification of the TCO process limiting the issuance of a TCO between June 1 and October 1. Issuance of a TCO between June 1 and October 1 requires \$8,000 escrow prior to issuance.

14 Workshops - Closed to Public

15 Adjournment



City Council Action Request

6.A.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title 2024 Annual Photo Contest Winners

Staff Recommendation Receive presentation on Capture Cottage Grove winners.

Budget Implication N/A

Attachments	1.	2024 Annual Photo Contest Memo
	2.	Photo Contest - Photos

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Phil Jents, Communications Manager

DATE: January 16, 2025

RE: 2024 Capture Cottage Grove Annual Photo Contest

Background

We all know that Cottage Grove is a beautiful place to live and that many of our residents are talented, creative individuals. We wanted to showcase that beauty and talent from our community by once again hosting our annual Capture Cottage Grove photo contest.

Capture Cottage Grove has been an annual tradition spanning at least a decade. It has been a popular contest and something that many staff look forward to voting on each year.

We wrapped up 2024 with our photo contest which started on Nov. 18 and ran through Dec. 9. The City of Cottage Grove promoted this contest through its various communication channels including social media and the Cottage Grove Reports. Photo submissions were organized by the communications team and sent to city staff, who voted for their favorite in each category. City staff were asked to look for images that represent each category well.

All photos considered for judging were taken within the city limits in the year 2024. Participants submitted photos along with their title in one of four categories. The categories for 2024 included Life in Cottage Grove, Business in Cottage Grove, Cottage Grove Parks or Landmarks, and Faces of Cottage Grove.

This is the breakdown of how many submissions we received per category:

- **Life in Cottage Grove:** 14 photos accepted for submission.
- **Business in Cottage Grove:** 2 photos accepted for submission.
- **Cottage Grove Parks or Landmarks:** 25 photos accepted for submission.
- **Faces of Cottage Grove:** 7 photos accepted for submission.

Category Winners

48 staff members voted in this year's Capture Cottage Grove photo contest. It was a blind vote, so, staff only saw the photo and the name given by the photographer to the photo. The following photos and photographers are the winners in each category:

- **Life in Cottage Grove:** *Morning Run by Angie Shaffer*

- **Business in Cottage Grove:** *Easter Egg Hunt by Sabrina Thuringer*
- **Cottage Grove Parks or Landmarks:** *Smoke on the Water by Joseph M. Pavel*
- **Faces of Cottage Grove:** *Grizz by Ashley Thompson*

Life in Cottage Grove. Winner: Angie Schaffer.



Business in Cottage Grove. Winner: Sabrina Thuringer.



Cottage Grove Parks & Landmarks. Winner: Joseph Pavel.



Faces of Cottage Grove. Winner: Ashley Thompson.





City Council Action Request

7.A.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	City Council Regular Meeting Minutes (2024-11-20)		
Staff Recommendation	Approve the November 20, 2024, Regular Meeting Minutes.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>2024-11-20 City Council Meeting</td></tr></table>	1.	2024-11-20 City Council Meeting
1.	2024-11-20 City Council Meeting		

COTTAGE GROVE CITY COUNCIL

12800 RAVINE PARKWAY SOUTH

COTTAGE GROVE, MN 55016

COUNCIL CHAMBERS - 7:00 P.M

November 20, 2024

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on November 20, 2024, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey-Here; Council Member Garza- Here; Council Member Khambata-Here; Council Member Olsen-Here; Council Member Thiede-Here.

Also present: Jennifer Levitt, City Administrator; Tammy Anderson, City Clerk; Ryan Burfeind, Public Works Director; Jon Pritchard, Fire Captain; Pete Koerner, Public Safety Director; Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Brenda Malinowski, Finance Director; Crystal Raleigh, Assistant City Engineer; Emily Schmitz, Community Development Director; Brad Petersen, Public Safety Captain; Gwen Martin, Public Safety Captain; Gretchen Larson, Economic Development Director, Molly Pietruszewski, Recreation Services Manager; Riley Rooney, Associate Planner; Phil Jents, Communications Manager.

4. OPEN FORUM

Mayor Bailey opened the Open Forum.

Bonnie Matter, 6649 Inskip Avenue South, stated I'm just here because I just wanted to make sure I understood that there was a Planning Commission meeting on 10-28, and at that, there was a Public Hearing on the 2025-2029 CIP; and things have changed a little bit since that Public Hearing happened, and I want to make sure that the documents are going to be updated. I'd like to know where they're going to be published and when they'll be available. That's it, thank you.

As no one else wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Motion by Council Member Thiede to approve the agenda; second by Council Member Garza. Motion carried: 5-0.

6. PRESENTATIONS

A. Swearing In and Badge Pinning Ceremony

Staff Recommendation: Swearing In and Badge Pinning Ceremony for Deputy Fire Chief Peter Fischer, Fire Captain Chelsey Flores, and Firefighter-Paramedic Riley Erickson.

Mayor Bailey said for this presentation, Fire Chief Jon Pritchard will speak. Mayor Bailey asked the Council Members to join him in front of the dais for the swearing-in/badge-pinning ceremony.

Chief Pritchard thanked the Mayor and City Council for having us here tonight to celebrate a really great tradition of pinning badges for a new firefighter-paramedic and a couple promotions. We're going to start with Deputy Chief Peter Fischer and asked him to step forward.

Peter has been recently promoted to the Deputy Fire Chief position. He was born and grew up in Maplewood, MN, with his parents and two sisters. Peter attended North St. Paul High School and was a dedicated Boy Scout where he earned his Eagle Badge. Peter went on to Hamline University where he earned a Bachelor's Degree in Public Administration and Accounting. After college, Peter started his career working for the Minnesota Department of Commerce as a Market Conduct Analyst, which I asked Peter to explain to me and he has trouble doing so, but it's great experience with budgets and spreadsheets.

Peter began his fire service career in 2014 with the White Bear Lake Fire Department as a parttime firefighter-EMT. Peter immediately found a great passion for fire and emergency services and pursued his paramedic training through Hennepin County EMS. Peter obtained his paramedic certification in 2016 and in the summer of 2016, he was promoted to a parttime firefighter-paramedic with the White Bear Lake Fire Department. With his passion for fire and emergency services, Peter pursued a fulltime firefighter-paramedic position with the Cottage Grove Fire Department and began with our City in February, 2017.

In February, 2020, Peter was promoted to Fire Captain; in his time as a fire captain, Peter has been involved in much innovation in pressing the department forward. He has helped lead the department's community CPR training program, including much work that led us to obtaining a HEARTSafe City designation. Peter was a founding member of the department's live burn training team, and he was intimately involved in improving EMS quality of care, among many other successes.

Peter lives in Lake Elmo with his partner, Stella, and their dog, Dara. Peter continues to support scouting and works as an Assistant Scout Master with the Troop from which he received his Eagle Scout Award in Maplewood. Peter is truly grateful for the opportunity to serve humanity with love and compassion through the fire service, and he is passionate about giving the highest level of professional service to the citizens of our community in Cottage Grove. He credits his mom and dad for instilling these values in him from a young age and both acting as amazing role models. So, tonight Peter's father and mother, Peter and Christy Fischer, will be pinning his badge tonight, and his two sisters can also come up front, Emily and Hannah.

City Administrator Jennifer Levitt asked Peter to raise his right hand and repeat the oath after her, which he did. Administrator Levitt congratulated Peter, and everyone applauded. His dad pinned Peter's badge and his dad and mom congratulated him, after which everyone applauded.

Mayor Bailey and the Council Members shook hands with Peter and congratulated him, after which photos were taken of Peter with his parents, Mayor Bailey, and the City Council Members.

Chief Pritchard said the next person we have is Fire Captain Chelsey Flores. Chelsey grew up in Burnsville, MN, with her parents and one sister. Chelsey attended the Academy of Holy Angels High School where she developed her passion to serve others. After high school, Chelsey earned her Bachelor's Degree at UW-Stout; then, shortly after graduating, Chelsey moved back to Minnesota and bought a house in Cottage Grove. Chelsey enjoys playing basketball and when playing with what she calls the "old guys," which is probably me now, at the gym, one of the fire captains noticed that Chelsey had a lot of talent, was quite intelligent, and he suggested that she take the St. Paul Fire test. Chelsey responded to that suggestion by asking, "Are there really female firefighters?" He looked at her with the strangest look and said, "Of course there are." This struck Chelsey as a moment where representation matters, and she had not seen representation of females in the fire service while growing up or even into her 20s. Chelsey came to understand and embrace how important representation is and continues to serve as a proud example of representation and inclusion in the fire service.

After learning women could be firefighters, Chelsey sought out a firefighter-EMT career and she began her parttime firefighter-EMT position with the Cottage Grove Fire Department. Chelsey fell in love with fire and EMS and went on to pursue her paramedic certification through HCMC, and she planned it incredibly well because she was also pregnant with her first daughter, Maya. Despite being pregnant, Chelsey got through with Maya being born in January, 2018, Chelsey continued her paramedic training and graduated on time with the rest of her class. She even has a great photo of Maya as a young child at her graduation.

In October, 2018, Chelsey began her fulltime career with the White Bear Lake Fire Department as a firefighter-paramedic. While balancing work and life, she also had her second daughter, Scarlett, about two years after starting at White Bear Lake.

Chelsey always wanted to come back to where her fire service career began and also to her hometown community of Cottage Grove, so she came back to the Cottage Grove Fire Department in March, 2021, and she's had a profound impact since joining the department. Chelsey has been instrumental in many Fire Department improvements: She helped improve our FTO Program, led the implementation of our community paramedic, and vetted with our Police Department's Case Management Unit. She served as a live burn instructor, and she's coordinated a large amount of the department's Safe Haven Home Safety Program, which has now seen more than 125 household visits since February 2024.

Chelsey continues to live in Cottage Grove with her husband, Michael, and daughters, Maya and Scarlett. Maya and Scarlett will be pinning Chelsey's badge tonight.

Administrator Levitt asked Chelsey to raise her right hand and repeat the oath after her, which she did. Administrator Levitt congratulated Chelsey and everyone applauded. Chelsey's daughters then pinned Chelsey's badge, after which everyone applauded. Chelsey was congratulated by Mayor Bailey and the Council Members. Photos were taken of Chelsey with her family and the City Council.

Chief Pritchard stated the next person we'll welcome tonight is Firefighter-Paramedic Riley Erickson. He stated Riley grew up in a small town in Wisconsin, called Nekoosa. This is where he met Emily while they were in high school, and they have been together for approximately ten years now and live in Minneapolis with their dog, June, and cat, Roscoe. Riley attended Ripon College where he majored in Sociology and Criminal Justice; he was also a four-year letter winner in baseball, and he really has a pretty good stat in one of those years, you can actually find it on the internet, but he was a talented baseball player.

After moving back to Minnesota, he pursued his paramedic training from Hennepin County while his wife attended law school at the U of M. Riley said he had a harder time getting through school than his wife. Riley worked for two-and-a-half years as a paramedic at Hennepin County where he was also a water rescue medic and a paramedic student preceptor.

Riley is excited to begin a new career at Cottage Grove and get to learn the fire service more thoroughly. Riley has been an astounding addition to our Fire Department since he started early this spring; he brings a contagious excitement and positive demeanor. In his time on the department, Riley has led efforts to improve EMS care, including implementing an improved evidence-based stroke score to improve the care we provide to patients that may have a stroke. He's also leading our ultrasound improvement effort. We are thankful for Riley's great contributions, and we look forward to his great impact on our department.

Tonight, Riley's wife, Emily, will be pinning his badge.

Administrator Levitt asked Riley to raise his right hand and repeat the oath after her, which he did. Administrator Levitt congratulated Riley and everyone applauded. His wife, Emily, pinned Riley's badge and everyone applauded.

Riley was congratulated by Mayor Bailey and the Council Members, after which photos were taken of Riley and Emily with the City Council and everyone applauded.

Mayor Bailey said it's exciting to see all the new positions and new employees that make up our Cottage Grove Fire Department.

B. Eagle Scout Award - Ryker Pace

Staff Recommendation: Recognize Ryker Pace's accomplishment of Eagle Scout and award him with a plaque.

Mayor Bailey said we'll stay down here in front of the dais because now we have an Eagle Scout Award that we get to present, he asked Ryker Pace to join the City Council. Mayor Bailey said one of the things that we do in the City of Cottage Grove is we recognize with distinct honor those that become an Eagle Scout; we also do the same thing for the Girl Scouts with the Gold Award. Mayor Bailey said he and Council Member Thiede both have sons who became Eagle Scouts, and we're very proud of them. Because the City of Cottage Grove takes great honor and pride of those achieving the rank of Eagle Scout, we recognize them in two ways: One is presenting them with a plaque this evening, and also in City Hall, to the right of the Council Chambers, there is a wall that has all the names of all past Eagle Scout recipients in Cottage Grove, as well as the Girl Scout Gold Award recipients.

Mayor Bailey told Ryker I just want to congratulate you, as do the citizens and everybody here; I know your mom and dad and your grandpa and grandma are here. So, I'll just read the plaque and then we'll have you speak. Mayor Bailey read aloud the plaque given to Ryker, then said on behalf of myself, the Council, and all of the citizens of Cottage Grove, congratulations, and handed the plaque to Ryker. Everyone applauded and Ryker was congratulated by all of the Council Members.

Mayor Bailey said for those that don't know, to attain the level of Eagle Scout, they usually have to do a project or something to give back to the community. So, I'm going to let Ryker share with the public what you did for your special project.

Ryker said I did my project for the Youth Service Bureau here in Cottage Grove, kind of over by McDonald's; they had a picnic table outside that got crushed by snow when they were plowing their parking lot, it got piled up, and it got crushed. You can't really use a picnic table that way, so I decided to build two picnic tables and put them on a little area, I forgot how big it was, but I mulched it, put like the black plastic edging around it, I put the two tables on it, and that was my project. Everyone applauded.

Mayor Bailey said before we do the final picture here, I do want to mention that just recently, over the last year, I was president of the Youth Service Bureau, and I used to tell Mike Huntly, the director, that picnic table needs to go, the one that Ryker spoke about. So, the fact that you put two in, with mulch underneath, is definitely much needed down in that area, so fantastic.

Photos were taken of Ryker and the City Council, as well as his parents and grandparents, after which everyone applauded.

Council Member Khambata told Mayor Bailey I have to commend Ryker for making not just one, but two of those tables. I looked at the plan to make a picnic table, because my wife was asking me for one, and about ten minutes into looking at the plan, I decided it wasn't a project I was going to take on. Mayor Bailey said well, now you know who to call if you want him to build one for you.

C. Cottage Grove Holiday Events

Staff Recommendation: Receive the presentation outlining the upcoming holiday events within the community.

Mayor Bailey said next is a recap of all of the great upcoming holiday events here in Cottage Grove, and you can see some pictures from last year. So, we have Molly Pietruszewski, Recreation Services Manager, from our Parks and Recreation Department, who will walk us through and share with us what some of these upcoming great events are in the next month and a half.

Molly stated I am just one person in a big, amazing department that makes all of these events come to life, so I'll take a little credit for all the work everybody does behind the scenes. We have these events somewhat in chronological order:

November 28, Hale to the Bird 5K: This is held annually at Hamlet Park on Thanksgiving morning. The race begins at 9:00 a.m.; we encourage residents to register online through ActiveNet.com, key word Hale to the Bird. This is the 14th anniversary of a local group of guys who grew up here and wanted to give back; it kind of started with their families and has grown, you can see a couple thousand people there walking on Thanksgiving morning. This is also

kind of our big kickoff for the Holiday Train fundraising towards the Friends in Need Food Shelf; so, all of the money that Hale to the Bird raises goes to the Holiday Train and eventually ends up at the Friends in Need Food Shelf. It's a great event, and we encourage residents to come out on Thanksgiving morning for the Hale to the Bird race at Hamlet.

November 12-Maybe into January, Holiday Lights Home Tour: Back by popular demand, it opened last week, on November 12; as of today, I think I we had like 15 houses signed up. If you or a family member has a house in Cottage Grove that should be showcased, this is a great way to get that information out there. All you have to do is go to the City's website, insert the address, and we have it set up so that it creates a map. The second part of this event is if your family's looking for a cheap, free date night, take the kids out in their jammies with some hot cocoa to have a great night. Maps will be available using all the addresses inputted as of Wednesday, November 27; as more houses are added, we will continue to update that map, and we will update it through December 16, but the map will stay live probably through Christmas and maybe a week or two after the New Year for those who keep their lights up longer. Typically, we have 30-to-40 houses on the map, so it's a good chunk of houses in Cottage Grove, and it gives you clear direction on where to go to see all those good ones. Molly asked Mayor Bailey if he wanted to post his house yet; he replied I will be, I promise you, but it's not out there yet.

December 5, Hometown Holiday: Will be held here at City Hall from 5:00-7:00 p.m. It's a fun evening of activities, Santa, Mrs. Claus, and the mayor will be arriving via fire truck at 4:30, and then we will be lighting the tree; where in the past people have shown up and the tree has been lit, this year we're bringing back the tradition of them lighting the tree. We have wagon rides coming from the HERO Center and the Washington County building. We have live reindeer on site, games, activities, prizes, food trucks. As you saw from the first picture, we have over 35 inflatables down this walking path. We have hot cocoa and cookies this year, lots of great sponsors for the events, along with the Park High School choir coming back to do some pop-up caroling around the events. It's a great family event, it's quick, it's easy, it's in and out, two hours. So, we really encourage people to come out that night and park either at the HERO Center or the Washington County building and take the wagons in.

December 8, River Oaks Santa Breakfast: Has been a tradition in this City for as long as I can remember. It will be held December 8 at River Oaks; breakfast times start 9:15-12:15, includes photos with Santa, sleigh rides around the golf course, S'mores over the bonfire outside, and a super fun North Pole breakfast. Reservations are required, and they're only taking them via phone, and I know it is typically a sold-out event; so, if your family is looking for something fun to do to kick off the holiday season early in December, I encourage you to call and make those reservations soon as they do typically sell out.

December 11, CPKC Holiday Train: Is coming back for the 20th year in a row, which is pretty amazing. It is never a given that they're going to come back. This is also the year that we hope to hit some big numbers supporting the Friends in Need Food Shelf; we have a pretty big goal of \$100,000 again, and we're hoping to meet that with little fundraiser sponsors like businesses and then donations by people the night of the train. The brightly-lit train arrives at 5:15 p.m. this year, on a Wednesday, so it will be a little bit more busy at the Park and Ride, but we're hoping to make it all work. Again, we'll be utilizing wagon rides from the Park and Ride, down to a little bit past the Youth Service Bureau. Once the train arrives, it takes about 15 minutes for the train to set up, the boxcar opens, they perform for about a half hour, and then it takes about 15 minutes to close up and pull out; those I think are some of the best moments, the pulling in and the pulling out. Festivities start as early as 3:30 p.m.: We'll have food trucks, a warming tent, a DJ on site, again, lots of amazing sponsors helping to make this a great event. On our train, the performances are by The Lone Bellow and Tiera Kennedy; there are two trains that go across North America and Canada. If you're looking for more information, I would check the CPKC website, under Community Events it says Holiday Train; it's pretty unique and cool how they make it across Canada and North America and make it all work.

All Winter Long, Parks and Recreation-Get Out and Play!: We just like to remind people that recreation is not just your summertime splash pad kind of activities; all of these great amenities stay open all year round, and it's looking like we might be on the right track this year: Parks; Trails; Warming Houses (Open the day after Christmas, 8 different sites this year, adding Glacial Valley Park); Skating Rinks; Sledding Hills; Cross-Country Skiing Trails, groomed at River Oaks Golf Course; Snowshoes, we're not quite sure where they're going to be located, but we'll definitely be posting where those are going to be-for rental, we use the I Paddle Port box, so if you're familiar with renting kayaks, it's the same situation, it'll just be snowshoes and not a kayak and life jackets.

Other Festive Happenings in Cottage Grove

November 24, Grocery bagging at Cub Foods, 8:00 a.m.-12:00 p.m.: The Holiday Train Committee is bagging groceries this Sunday, and I know Mayor Bailey and our Council Members will be there to help out, as well as a lot of friendly City staff and Holiday Train volunteers.

November 29, Turkey Time at Shepard Farm, 10:00-11:00 a.m.: Join a naturalist to learn about our heritage-bred turkeys up close and make your own turkey call.

November 30, Procrastinator's Market Craft Show, River Oaks, 10:00 a.m.-3:00 p.m.: Shop with over 32 crafters and artisans to get those gifts checked off your list.

December 3, Introduction to Glowforge: Ornament, Shepard Farm, 6:00-7:30 p.m.: Come learn the ins and outs of laser engravers that can create beautiful laser-engraved products.

December 7, Fill Up a Fire Truck, 10:00 a.m.-1:00 p.m., Friends in Need Food Shelf: Stop by to help us fill up a fire truck for the Friends in Need Food Shelf, moved from Woodridge Park to the food shelf. People can see what the food shelf looks like and the unique experience people get when they go there; it's pretty amazing when you go in there and see how people get to shop. It feels pretty good to know that's where we're donating.

December 8, Cottage Grove Lions Santa Breakfast, Cottage Grove VFW, 8:00 a.m.-12:00 p.m.: Join the Cottage Grove Lions for their annual Santa Breakfast; Adults \$12, Kids \$8. This is the same day as the River Oaks Santa Breakfast, so you can choose one of them or go to both if you wish.

December 21, Snow Much Fun, Sensory-Friendly Saturday, Shepard Farm, 10:00-11:00 a.m.: Join a naturalist at Shepard Farm for a hike and activities geared toward nature lovers who need a more sensory-friendly environment.

Molly said there are lots of activities happening the next four weeks around town, as there are only three weeks between Thanksgiving and Christmas. So, it's going to go fast once we start off with the Hale to the Bird 5K next week. If anybody has questions, I can definitely try to help answer those or give you information that I do know.

Mayor Bailey told Molly you did really well in covering all of these events; he thanked Molly and the rest of the Parks and Recreation team and the City staff for putting this together for us. I'm definitely looking forward to all of these amazing events coming up. Molly said have a happy holiday season, and I'll see you Sunday, bagging groceries.

D. Proclamation - Small Business Saturday

Staff Recommendation: Proclaim November 30, 2024, as Small Business Saturday.

Mayor Bailey asked Council Member Thiede to read aloud the official proclamation for Small Business Saturday, and Council Member Thiede did so.

Motion by Council Member Thiede to proclaim November 30, 2024, as Small Business Saturday; second by Council Member Khambata. Motion carried: 5-0.

7. CONSENT AGENDA

- A. Approve the November 6, 2024, City Council Special Meeting Minutes.
- B. Approve the issuance of rental licenses to the properties listed in the attached table.
- C. Receive report on Business Retention & Expansion Program Survey Results.
- D. Authorize the purchase of the equipment and service ribbons utilizing criminal forfeiture funds to be reimbursed by Washington County.
- E. Adopt Resolution 2024-158, awarding the Portable Restroom contract to LRS and authorize the service agreement for the three-year contract commencing on January 1, 2025 for the portable

- restroom service for the City of Cottage Grove.
- F. 1) Approve purchase order to St. Croix Recreation for picnic shelters for Pine Tree Pond Park and Pine Glen Park in the amount of \$36,276.00. 2) Adopt Resolution 2024-161 authorizing the service agreement with Michael Basich, Inc. for the installation of picnic shelters at Pine Tree Pond Park and Pine Glen Park for the amount of \$33,120.00.
 - G. Authorize Public Works to advertise and sell surplus property on Cranky Ape.
 - H. Approve the consent to improvements with Xcel Energy.
 - I. Approve Change Order #2, thereby increasing the contract amount for TH 61 River Oaks RCUT by \$2,650.00, to a total of \$1,209,527.40.
 - J. Adopt Resolution 2024-16 authorizing distribution of the Draft Environmental Impact Statement for the Nelson Backwaters Project.
 - K. Authorize the Mayor to sign the Agreement between City of Cottage Grove and U.S. Home, LLC, Related to Segments of Sanitary Pipe for Graymont Village.

Mayor Bailey wished to pull Item I, TH 61 River Oaks RCUT-Change Order #2, on the Consent Agenda for a question and then his comments.

Mayor Bailey stated this item was a Change Order, increasing the amount of money that was being put towards this particular project, which is completed. He explained the project, which changed the exit from River Oaks Golf Course to a righthand turn only, to go south, and then go up and come back to a U-turn to go north on Highway 61. One of the things I saw they did was they put this concrete sidewalk down the middle, between the two roads, and I wondered what they were doing. Now we have to put up barricades because it was wide enough that cars could go through, so cars were just strictly cutting across. My question is why are we putting a sidewalk across the middle of Highway 61, in front of River Oaks?

Ryan Burfeind, Public Works Director, replied that's a great question, it's one that we've definitely gotten, once people saw that going in. The simple answer is it's an actual Federal ADA and Pedestrian Accessibility Requirement. Even though we consider them driveways, that actually is West Point Douglas Road and then East Point Douglas Road intersecting Highway 61. It's a Federal law that all intersections need to allow pedestrians to cross. Let's say you just filled in the median and didn't do the U-turn, you just closed that median and people had to find their way, then you'd actually be severing the intersection. But when you have the RCUT with the U-turns, it's still considered a full-access intersection, so that's where it comes from. I will say we pushed this all the way to the top of the Pedestrian ADA staff at MnDOT because clearly, no one should cross there, it's not safe, it makes no sense, but it's not really about that; it's a hard and fast Federal rule that there really was no way around. Actually, after that, I paid attention; if you drive down Highway 52, going to Rochester, out in the middle of the country, and there's RCUTs and there's a sidewalk cutting through them. Out there, the median is so massive, the sidewalk has to kind of snake through it, and a car would never try to navigate it; well, here, it's just such a narrow median, it was pretty convenient for cars to try and cheat that and get right through. So, that's the reasoning, it doesn't make a lot of sense from a practical standpoint, but sometimes you've got Federal rules that you really just can't get around.

Mayor Bailey said yeah, it's unfortunate, and nothing against the handicap accessibility, obviously, at all, but we don't really want anybody crossing there, no matter who you are because of the safety of the highway. So, it's very disappointing that they forced us and the State of Minnesota to put that in at the taxpayers' cost, that was my only reason for pulling it.

Council Member Thiede asked can you mention what we're going to do to keep cars from going across there?

Mayor Bailey replied I guess I can, it's part of this, and I saw it, I believe it's up already, I went by there today. So, they added barricades across there, and that was why the increase in cost, I believe for \$2,650, was to put these posts with reflectors along the median there so that cars cannot cross, like they were. When I saw it before, I could see a car going there, and I was shocked as to what they were trying to do, but I understand now. I don't agree with it, but I do understand why we had to do it. He thanked Director Burfeind for sharing that information.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Garza.

Motion carried: 5-0.

8. APPROVE DISBURSEMENTS

- A. Approve disbursements for the period of 11-01-2024 through 11-14-2024 in the amount of \$2,087,362.62.

Motion by Council Member Garza to approve disbursements; second by Council Member Khambata.

Motion carried: 5-0.

9. PUBLIC HEARINGS - None.

10. BID AWARDS - None.

11. REGULAR AGENDA

- A. Intermediate Zone Water Treatment Plant - Preliminary and Final Plat, Site Plan Review, and Variance

Staff Recommendation: 1) Approve Resolution 2024-159 approving the Preliminary and Final Plat, to be called Pine Tree Pond Addition. 2) Approve Resolution 2024-160 approving a Site Plan Review for the construction of an Intermediate Zone Water Treatment Plant and variances to the maximum building height and minimum rear-yard setback located at 8300 Isleton Court South.

Riley Rooney, Associate Planner, stated before you this evening is an application on behalf of the City for a Site Plan Review, Preliminary and Final Plat, as well as a Variance for the Intermediate Zone Water Treatment Plant. The site is located south of the Central Fire Station, just off of 80th Street South, in Pine Tree Pond Park, it is 6.78 acres and consists of vegetative grasses and a variety of coniferous and deciduous trees. The highest grade is at the northwestern corner of the property, which decreases in elevation towards the park itself. The City is requesting approval of a Preliminary and Final Plat to split 6.78 acres from the existing Central Fire Station addition for the creation of a new parcel with a frontage of 88 feet on 81st Street South. The parcel is currently zoned R-3, Single-Family Residential, and is guided as Park and Open Space in the 2040 Comprehensive Plan. Utility and essential services are permitted in this District as Administrative Conditional Use, and this is just because they don't pose any adverse impacts to the residents in that neighborhood. One thing I just want to touch on briefly, as a reminder, the City currently operates a handful of Interim Treatment Plants; this is just to provide clean drinking water to residents in the City at this time. Through this 3M Settlement, we were provided funds to construct two permanent treatment plants, the first Low Zone Water Treatment Plant is currently under construction, and the second one is before you today.

The location of this Water Treatment Plant was specifically selected due to the location of existing watermain infrastructure, as well as the well locations down there, and both to serve the intermediate pressure and high pressure zones.

Briefly, I want to touch on the park as well. Given the treatment plant is proposed on park land, the 3M Settlement Funds are compensating the City for the value of that land, the 6.78 acres; the City of Cottage Grove recognizes that the proposal will reduce the park land on site, so in exchange, compensation from the Settlement Funds are planned to pay for some of the park improvements that Director Dockter has put forth.

The proposed Water Treatment Plant consists of a 58,000 square-foot building, as well as a proposed future phase, which would include water softening infrastructure; that's been highlighted on the screen in red, and that will be detached from the principal structure itself. So, the site will have two access points, one off 80th Street South, which is highlighted in blue, and the other off 81st Street, which is highlighted in green. The 81st Street access will be the primary access for day-to-day operations and vehicle traffic; the 80th Street access will be secondary, for construction traffic and also for infrequent truck deliveries to the Water Treatment Plant itself. Both

accesses will be gated to ensure some more security of the site. Pedestrian connectivity will not be provided directly to the Water Treatment Plant itself, but additional connections are being proposed as part of the park improvements to enhance the connectivity for residents as well as individuals from the Fire Station to and from the park.

District standards require 14 parking stalls on site per Code; the total parking stalls being proposed include 18, which are highlighted in blue. There will also be an additional 8 stalls provided to the rear parking lot of the Central Fire Station, this is just due to the 6 being removed with installation of the access road from the Water Treatment Plant to 80th Street South.

The City has submitted two Variance requests: The first is to the maximum building height. This includes two areas of the building, which exceed the District standards, the first is the stairwell here, as well as the lamella room and detention tank section. These are both just over 40 feet in height, while the remainder of the building is 33 feet in height or less. A Variance is required for these two sections, first just to provide access between the floors and then also to provide the needed space for the lamella room and detention tank section. The building footprint of these two phases is pretty small, occupying only 7% of the entire building itself. Additionally, the applicant, the City, has designed the building to sit at roughly the same height as the Central Fire Station by using the existing grade on that area.

The second Variance is to the minimum rear property line setback. The City is proposing a 32-foot setback to the rear property line, minimum setbacks require 35 feet in an R-3 Zoning District. A Variance is requested for this just based on limited acreage of the site, as well as the size of the building needed to encompass the water treatment process. In addition, moving the Water Treatment Plant further south would not only impact the existing City water infrastructure, but it would also occupy more of the park space there.

The Architecture proposed meets and exceeds Code requirements; the proposed materials are on the screen before you. These have been selected to essentially complement the existing City buildings, including the Central Fire Station itself.

The submitted Landscaping plan meets and exceeds all Code standards as well; the applicant is proposing 36 overstory trees, 32 coniferous trees, and 108 shrubs. A berm will be installed on the western property line between the homes here and the Intermediate Water Treatment Plant. A tree inventory was also conducted and mitigation is required; 10 trees are going to be installed to fulfill those mitigation requirements there. Here's just an image of what the landscaping berm will look like between the houses in the residential district and the Water Treatment Plant.

The Lighting meets and exceeds all Code standards as well, with a 0.0-foot candle at all neighboring property lines. There are 17 parking lot poles to be included, which will be 30 feet in height with single heads directed downward, towards the parking lot itself.

Planner Rooney said I am actually going to turn this over to Director Burfeind to talk about the site operations, and Mayor Bailey thanked Riley.

Director Burfeind said Riley covered all of the planning aspects really well, I want to touch a little bit on construction operation and a little more on what we're doing here. So, Riley touched on why it's going here; obviously, it's kind of really in a neighborhood, in existing park land. Like she said, its all of our seven wells that we have in this area go right to this location and serve the two big ground storage tanks. It's also where we pump water up to the high-pressure zone, as we call it, kind of this area and going up to the border; water has to enter our system here, and by doing that and using these existing pipes, it's very cost effective. In Woodbury, it's just a different layout; they have 22 wells scattered across the city, and they have about \$100M to connect all those wells to a treatment plant, and we will not have anything that significant. Even if we could have built it let's say out on undeveloped land east of Keats or somewhere out there, which we couldn't, you'd probably be looking at \$50-\$60M to install 6 massive watermains and then bring it right back to this location. So, that's just not a practical approach. During the design, we were very cognizant of the fact that we are in a neighborhood.

From a construction standpoint, we would be starting next summer, early summer I would say. We'll take bids in the spring. We're at about 60% design right now overall on the plant, so that's progressing really well. It is really three full summers to get this building operational, as there's so much concrete that we have to pour. We were looking at getting operational before the summer of 2027, but when you have a plant of this size, you really want

to get it operational when you have lower water demands. You don't want to bring this thing online and be in the peak of summer with massive water demand, so really fall of 2027 makes the most sense. With that, 2028 is kind of the EPA mandate to have all this done, so we're still a year ahead of that, and, as Riley said, we're providing fully-treated water today regardless.

Thinking about being in the neighborhood, Riley talked about setbacks, screening, everything we're trying to do is to minimize the impact to this neighborhood. We have the two entrances, so large trucks, that was an issue here; we're kind of fitting this in like a puzzle. If we had all the land we wanted, you'd probably put this on 15-to-20 acres, and we're fitting it onto about 6.5. We're utilizing that Fire Department road around the east side of the building, so when we have larger deliveries in the future, they can drive in off of 81st, drive north, and out; they're not turning around, they won't have backup beepers, as that's a very annoying thing to have in a neighborhood.

We've been working very closely with the Fire Department because obviously in all this we cannot impact the Fire Department operations. So, part of this plan will actually be to widen that road to make it wide enough for two vehicles that goes around the back of the fire station, we really want to do that immediately so we can use it for construction access as well. The biggest impact this neighborhood would have would be all that construction access for three years; so, if we can get that off of 80th, not off of 81st, that would be a huge improvement. At the start of construction, we'll have to because it's the only way in and out of the site, but then we can move it to that point. We've been working closely with the Fire Department leadership team, and we've also actually had presentations to the crews as well because this is kind of a new neighbor for them, to have this facility here.

Operationally, once this is done, it's kind of like the Low Zone plant, there's not a lot going on. The media that treats the PFAS, Ion Exchange, that probably lasts four-to-six years before we have to do a changeout. We're taking the iron and manganese out of the water more on the west end of the building, and that's like 20 years before we have to change out the media; that's when you'd see some larger semis come in to do that work. Other than that, it's really one-or-two Public Works staff that would be coming in each regular business day, during regular business hours, just to keep tabs on the plant and make sure it's operating. Everything is enclosed inside, so it's very quiet; in terms of having a large building there, it is a good neighbor.

Like Riley said, we're even trying to work with the lower elevations and stacking material up on the building so it's not necessarily always a 33-foot wall you're seeing, maybe some dirt can kind of come up the sides to soften that look a little bit. Like I said, we're being very intentional about reducing that impact as we build this giant facility.

Just to touch on really quickly, we do have in this area five temporary treatment plants that are part of that service for our water system. To provide the treated water, you can kind of see them highlighted in the red boxes here; those would be taken offline after this building is complete as those came through the Planning Commission and City Council. They're small, they're metal buildings, they don't really meet any standards, but they're very cost effective in a temporary nature; so, those would be taken down. One of those is an Ion Exchange facility, so actually the tanks will move into this facility as well; that one was just finished this year, so a little bit of a cost savings there from the temporary treatment plant.

Director Burfeind said with that, we have the recommendation, and I'll be happy to stand for any questions.

Mayor Bailey asked if Council had any questions.

Council Member Thiede said you're talking about the lights and you've got this berm for the houses to the west, and then you've got houses directly across 81st and actually right by the entrance there, too. You've got your 30-foot light poles, I mean, you've got the tanks there. I don't think there are any lights associated with the tanks, are there right now, the water towers?

Director Burfeind replied not really specific for the tanks. I will say in terms of more of the parking lot lighting, since it is more of a Cobra head, like we have here at City Hall, very much downward directed, I think it's much less light. The remainder of the neighborhood has kind of our standard kind of globe-style light that projects quite a bit of light out; it should be quite a bit less than that. And the building does sit quite a bit lower than those homes that are to the south, so that's going to make a nice, kind of natural barrier for them as well.

Council Member Thiede asked there have been meetings with the neighbors and such?

Director Burfeind replied yes, that's correct. So, actually many years ago, we sent an initial letter about this; we had a letter really specific about the treatment plant in about February 2024, and there was a neighborhood

meeting in October 2024. There were only a handful of residents there, and actually most of the questions were about the parks and the streetlighting, not lighting here but streetlights that were out in their neighborhood. Also, at the Planning Commission, I think overall they were very understanding of the need to have this facility in our City and kind of appreciative of the efforts to make it as low impact as we can.

Council Member Thiede said all right, great, thanks.

Mayor Bailey said the only other comment I was going to mention is I noticed on the map, and staff was great with putting this on there in the event that we, in the future, want to add water softening. There is in both this site, as well as the current facility that we're building, off of 100th and Ideal, would have the ability to expand or add water softening to that.

Council Member Khambata said I just wanted to touch really quickly on the variance for the height of the building. If I recall correctly, the practical difficulty there with the two areas of the building that need to have that variance are: 1) To have a stairwell to access the roof, and 2) The other, if I'm not mistaken, is for the process of loading and unloading the replacement material that's used on site. Is that correct?

Director Burfeind replied yes, you're definitely right on the stairwell, and the side with the lamella room, as Riley called it, that's the access point for chemicals and things like that as well; so, that operation is going to be happening. One other reason is, and I won't get into the details of it, there's kind of a gravity flow through the plant with this iron and manganese removal, and that has to be at the highest point as well; so, that's situated in that room, which kind of requires that height above the rest of the facility. Council Member Khambata said thank you.

Council Member Thiede said one other thing that I kind of looked at and remembering when the Central Fire Station was built, there was discussion about planning that if we had expansion, it would go to the east to get more garage space. Looking at this, this doesn't seem to affect that at all, is that correct?

Director Burfeind replied yep, that's correct. That area just east of the Central Fire Station, between that and that loop road, that was the area earmarked for that expansion, and the loop road, as I call it, was really placed in a permanent location, so it would not impact that.

Council Member Thiede said great, okay.

Motion by Council Member Khambata to Adopt Resolution 2024-159 approving the Preliminary Plat and Final Plat to be called Pine Tree Pond Addition; second by Council Member Thiede. Motion carried: 5-0.

Motion by Council Member Garza to Approve Resolution 2024-160 approving the Site Plan Review for the construction of an Intermediate Zone Water Treatment Plant and Variances to the maximum building height and minimum rear yard setback located at 8300 Isleton Court South; second by Council Member Olsen. Motion carried: 5-0.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Khambata said I don't have any requests for staff; however, I would like to state that I think this qualifies as the first snowfall of the year. So, everyone just please be safe.

Council Member Olsen said Molly did just an unbelievable job with her presentation earlier, talking about all the various holiday events that we've got going on and soon to come. I did want to just double back on one of those, which is the 2024 Cottage Grove Lions Santa Breakfast; that breakfast starts at 8:00 a.m. at the VFW on December 8, and it runs until noon. The cost per adult is \$12, the cost for kids is \$8 for the breakfast, and of course we will have Santa at the breakfast for pictures and all of those things. So, do what I plan to do, which is get there early, get a great breakfast, sit on Santa's lap, and then head over to River Oaks to repeat. I think that's the way to do it that day.

I also wanted to just compliment the Public Works team. I know they've been working super hard on getting all the streets swept before the snow started to fall; in fact, I think they were in my neighborhood this morning when it was nice enough outside to be able to get the street sweeping done. I know that they've been very hard at work, getting prepared for the winter season; let's not forget, they're continuing to work on mitigating the damage that was caused by the severe storms we had here a couple months back, including tree removal and all those sorts of things, there's tree trimming going on. So, I know a lot of those folks are putting in extra time, and I just wanted to say thank you for that.

The other thing that I just wanted to talk about real quick is our Cottage Grove area Beyond the Yellow Ribbon team, which actually services two areas; one of those is our Cottage Grove Armory and we also cover Hastings, so we have the Hastings Armory as well. We are once again partnering this year with the Cottage Grove Lions Club on making sure that none of our military families or veterans go without this Christmas. The Cottage Grove Lions have been tremendous partners for the last five years, we show up at Target en masse, this year it's December 14; we start at 9 o'clock, we hand out the lists of all the families who need support, and we just go to town and it's a really fun day, it's a busy day. We take all of the gifts back to the VFW, and then we wrap those and make sure that we're all set to deliver. If you would like to help us fund that endeavor, one of the things that the Cottage Grove Beyond the Yellow Ribbon team is doing this year is we're doing a big ticket raffle called our Holiday Helper Raffle; those tickets are \$100 each, and there are only 100 tickets, and we're getting down to the last few. In fact, I've been getting text messages this evening while sitting here about people who want tickets because they know we're almost out. The opportunity that you have is if your ticket is drawn for the Grand Prize, you can win \$1,500 cash, and then we have various prizes of different denominations, all the way through winning \$150 if you're chosen as the tenth prize winner. The good news is you can put your ticket back in the hopper after every draw, so people can win multiple times. It's a really great way to support military families and veterans in our community. If you're interested in that, again, tickets are running pretty fast so we've only got a few left, but you can reach out to me. You can also reach out to Sergeant Pat Nickle, who is our incoming President for Cottage Grove Beyond the Yellow Ribbon, and Pat works in the Cottage Grove Police Department; Captain Brad Petersen, who is our incoming Vice President for Beyond the Yellow Ribbon in January; or you can reach out to our current President, Raymond Kane. We all have tickets, and we'd be happy to sell you one. It's a great way to help support military families and veterans, and a special thanks to the Cottage Grove Lions Club for partnering with us again on that this year.

Council Member Garza said I just am excited to get out and collect some donations at Cub Foods on Saturday; I think we're there from 8:00 to noon, some of us, and so excited to see some people come out and bring some donations for Friends in Need.

Mayor Bailey said I do know the donations, what they're looking for because it's been a while since we've done this, is actually there's a little container to put money in, so most of it is just tipping; now, we don't get the tip, but the tip obviously goes to Friends in Need.

Council Member Olsen said it all goes to Friends in Need, do your Thanksgiving shopping at Cub this weekend and come and see us.

Mayor Bailey said what's funny is I have seen a variety of different people on social media that have been putting out different dates for bagging groceries. So, my grandson a little bit ago must be watching or something because he said grandpa, don't forget to tell them that on Friday, from 4:00 to 7:00 this week, so November 22, the Squirt B2 Hockey Team is going to be bagging groceries at Hy-Vee. Council Member Olsen said I think we have the coach in the room, don't we? Mayor Bailey said yes, he's in the back there, Zac is the coach. So, if you're interested, whether you go on Friday and then go again on Sunday and come and see us, some great opportunities to help. Again, all the proceeds from the Hy-Vee event goes to the Squirt B2 team for tournaments and paying for ice time, which we know is quite expensive. Of course on Sunday, when we do it, all of the proceeds go to the Friends in Need Food Shelf.

Mayor Bailey said this evening, we have two workshops, both are open to the public: The first one is basically Cannabis Businesses/Uses-Zoning & City Code Ordinance Amendments; we have actually been through this before, now it's just kind of finalizing things before it goes before the Planning Commission and Council. Our City Attorney

will be talking to us about that. The second workshop is our final review of the 2025 Budget and 2025 Property Tax Levy; our staff is going to give us an update on kind of where we're sitting right now from that standpoint and some of the things that we have asked, if possible, to have added to the budget without raising the tax. With that, we'll adjourn in the Training Room. So, everybody have a great Thanksgiving next week, and we'll see you in December.

13. WORKSHOPS - OPEN TO PUBLIC - TRAINING ROOM

A. Cannabis Businesses/Uses - Zoning & City Code Ordinance Amendments

Staff Recommendation: Discuss and provide feedback regarding Cannabis Businesses/Uses, Zoning, and City Code Ordinance Amendments.

Mayor Bailey said this workshop is for our City Attorney, Kori Land, is going to walk us through the final version, just to make sure Council's aware of where we're at with everything. Then it will come back to us at a future date, correct?

Attorney Land replied correct. So, we're finally getting to you with all these cannabis conversations that we've been having. This is the last workshop we're going to have, and then I will be here to present this to you at the next Council Meeting.

We're going to discuss two parts of the Code. As you know, you have two sections to your City Code: One is your administrative sections and this is where we're going to talk about all of the registration ordinance, the fee table, and the odor ordinance, but the other half is the zoning. We talked about uses and zoning, and the Planning Commission has vetted the Zoning Ordinance, and so that we're just going to kind of review to make sure we're all good with where the uses landed in the Zoning Districts, all the bubbles match.

Just to refresh your memory on the kind of uses we're talking about with cannabis, there's sort of two categories of cannabis: There's the kind that's legal today, which is the low-potency that's edible, and don't get confused because edible also includes beverages, just because the legislature is that creative with definitions. So, low potency means under 0.3% THC in the product; again, that's what's legal under Minnesota law today to be sold, and we have one low-potency cannabis retail store and that's High North. So, that's the only place in Cottage Grove that is officially allowed to sell lower potency edible products. If anybody else is selling it, I don't want to know. So, that is the hemp edible low-potency version of cannabis.

Then there's cannabis, which is marijuana, 0.3% or higher THC level, and nobody can be selling that today except medical because the Office of Cannabis Management (OCM) is not licensing anyone for it yet; so, if that product is out there, it's 100% illegal in the State of Minnesota. If you are not selling it and you're using it yourself because you're growing it in your basement, again, that's fine, we don't care; we're talking about businesses.

Then there is the retail, which can be the lower-potency version of the retail that is in existence today and then the cannabis retail, which is not legal yet. There is all of the industrial kinds of uses: the manufacturing, the processing, and production, and then there's the cultivation, which is generally done in an AG Zoning District.

So, this is where the uses landed in our Code: We have the lower-potency hemp edible retail beverage, which we've separated from sort of the gummies version of the edibles. Those can be sold, you determined that that would be acceptable if someone has an off-sale liquor license or it's an off-sale exclusive liquor store, this is not the gas station version, this is only an exclusive liquor store. So, they can sell these THC beverages, which only come in low potency; you can't buy a cannabis beverage, it's only in low potency. You also decided that they can be allowed at on-sale, which means that they can be consumed at a bar or restaurant with an intoxicating liquor license. Again, the only two places where it is allowed as a permitted use, and won't need to come in for any Land Use approvals if it's associated with a liquor license, but only if it's a liquor store or intoxicating liquor license on sale.

Then there's the low-potency edibles retail, that's apart from a liquor store or on-sale liquor license; that's what High North has. So, this would be a Conditional Use Permit, and these are the Zoning Districts where that would be allowed. Cannabis retail is also allowed in the same Zoning Districts, but we have buffers and I will explain those in a second. Whether it's low potency or cannabis, it won't matter, manufacturing uses only go in the I-1 and the I-2,

then there's the wholesale, but they're not storing any product, but they are dealing in the business, which may involve cash business; these are allowed in Zoning Districts B-3, B-2, PB, and MU. And then there's cannabis cultivation, which can be done both indoors, in a greenhouse or a fully-enclosed normal brick and mortar building, or it can be outdoors. So, these are the Zoning Districts that they go in.

Buffer Zones: We talked about 1,000 feet between uses, except for on-sale and off-sale because we don't care if it's associated with a liquor license, but if it's a low-potency cannabis retail, those uses would have to be 1,000 feet apart. If it's a cultivation and it's a retail, those would have to be 1,000 feet apart. So in this cannabis business or low-potency business, they all have to be at least 1,000 feet apart from each other, and they have to be 1,000 feet from schools and 500 feet if it's a daycare in a commercial zone; so, if it's a residential daycare, we're not counting those because generally, these are all going to be commercial districts anyway. They have to be 500 feet from a residential treatment facility, that means it's an overnight addiction kind of treatment facility, and that seems to make good sense. They have to be 500 feet from an attraction in a park, so it's not the park property line, it's the playground, it's the pavilion with a back to it, a picnic shelter. For cultivation and manufacturing, we said 1,000 feet from residential.

So, where can low-potency retail go? So, High North, they can go in these Zoning Districts and the only buffer zones for low-potency retail will be 1,000 feet between these. It still will require a CUP, but we're saying they have to be 1,000 feet from the other. So, you could get any low-potency retail in this Zoning District, and this is where they would go. For example, when you zoom in on High North, this is what their buffer bubble would look like; if they choose to stay a low-potency and edible retailer, we would put a 1,000-foot bubble around them, and then no other cannabis or low-potency use could locate within that bubble.

Cannabis retail, so the dispensary version, which is not going to be associated with any other kind of business, they're not going to be selling also like hair accessories, this is solely just a dispensary, they will be in the same Zoning Districts as the low-potency retail district, but now we have our buffer of bubbles. So, they can be outside of the bubbles in these Zoning Districts.

Council Member Garza asked what if High North decides to go to cannabis retail? They're fine in that bubble?

Attorney Land replied it's the same buffer bubble around them, so they would be on this map, and they would have their green bubble.

Manufacturing and production, again they're industrial uses and were put in the industrial park, in the I-1 and I-2, so anywhere in the purple. We did put a red bubble around LeafLine Labs because they are an existing medical cannabis use, so they get the 1,000-foot bubble around them; no other cannabis or low-potency use could operate within that bubble, and then there's 1,000 feet from residential. So, there are still plenty of opportunities for someone to put a site together for a manufacturing facility outside of the bubble.

LeafLine Labs came to you at the last Council Meeting I was told because one of the requests that you had made at the last workshop was that you wanted and we had a 40-acre minimum requirement on outdoor cultivation, and a 40-acre minimum on indoor cultivation as well. Remember this is allowed in both the I-1 District as well as the AG Districts. LeafLine would not qualify as an indoor cultivation because they don't have 40 acres, they only have a 22-acre site. They came into town in 2014 to operate their medical cannabis facility; at the time, it was the IB-2 and now it's been rezoned to the I-1. They asked for a 134,000 square-foot expansion into a greenhouse, which then they converted into a brick-and-mortar building, but they're only in the first phase of that building. So, the bottom corner shows what their existing site looks like today. They still have under that old permission from 2022 to build the addition that they wanted to, but considering they've only completed Phase 1; now, the Council had directed that we had a 40-acre minimum, as I said, for both indoor and outdoor cultivation. They requested that indoor cultivation minimum be reduced to 20 acres. So, I kind of thought about some options. The proposed ordinance that was in your packet shows a 20-acre minimum for indoor cultivation, again which would have to occur in a hoop house, in a greenhouse, or in a brick-and-mortar building on a site that is at least 20 acres. We can do that, that's what's written in the Code today, so indoor cultivation, whether it's in the I Zones or the AG Zones, would only require a 20-acre minimum. But, knowing that LeafLine's real use is in the Industrial Zone and the Industrial Park has much smaller parcels than your typical, let's go back to the map there, than the AG Zoning Districts; so, maybe it makes sense to only require a 20-acre minimum for the I Zones but a 40-acre minimum if

you're in the AG Zones. So, those are kind of the ideas I've thought of, and you can leave it the way it is with 40-acre minimum, and then LeafLine just becomes a legal nonconformity because that's what they are today; or you could do a 20-acre minimum if it's indoor cultivation in all the Zoning Districts, all four, or you could do a 20-acre minimum in just the Industrial Park and a 40-acre minimum in the AG Districts.

So, I'm going to pause because we kind of need to get to the solution of that.

Mayor Bailey asked Council if they had any thoughts on it; he said my thought was if they wanted to do the 20 acres indoor, I'm fine with it. I don't know that I'd want it to all be outdoor within the Business Park, it kind of doesn't fit with what we're doing over there with the process, and then do the 40 acres everywhere else. I mean, that's kind of my take on this. Council, do you have any other thoughts?

Council Member Khambata asked does LeafLine state whether they wanted to expand both the indoor or outdoor cultivation? Mayor Bailey replied they're behind me. Council Member Khambata asked what degree of greenhouse qualifies as indoor vs. outdoor?

Attorney Land replied a greenhouse is an indoor, enclosed structure. Now, we do have performance standards for the building materials in the I-1 Zoning District; so, they'd have to comply with that, even if technically it's a glass building greenhouse, it would have to comply with our ordinance. It couldn't be any kind of a plastic greenhouse; it would have to be glass.

Council Member Garza said I wonder if they just want to grow indoors because they can't even grow year round.

Council Member Khambata asked because they're landlocked, could they if we left the ordinance as is, could they request a variance to that nonconforming use because of that practical difficulty? And we kind of leave things as is for now and not kind of like reshape it and see kind of what comes next? Because the challenge is, once we open the gate, we can't close it, right? So, if this is a scenario where it makes sense for a replan, but not for the broader use, then I think we'd be better off leaving the ordinance as is and granting a variance where a variance is warranted. And then if, over time, as we've done with other land use and zoning ordinances, if there seems to be an overwhelming need to change it and kind of bring the standard down to what the practical use is, with what we're seeing in variance requests, then we could do that at a later date. I don't know, that's my thought on it.

Mayor Bailey said I'm just going to say to Council Member Khambata, my question would be Kori was showing the other pictures, and there are other pieces or places in the Business Park, that then somebody could come in and just cultivate without a structure.

Council Member Khambata said well, that's what I'm saying; I disagree with lowering the acreage. I think we should leave it a 40-acre minimum and then what comes to mind is Menards needed a variance for their impervious surface because they're landlocked. So, that was a unnecessary burden and a practical difficulty that warranted a variance. We didn't have to change our Zoning Ordinance regarding impervious surface for Menards; Menards came to us with a practical difficulty that we could all agree was specific to their parcel and their use that warranted the variance.

Council Member Thiede said my question was obviously with the indoor, the actual product is enclosed, so there's security; for like outdoor, then, we're saying 40 acres, is there any requirement for security on that in terms of?

Administrator Levitt replied yes, the Statute actually requires 6-foot fencing around it, and we in our ordinance have extraordinary buffering and mitigation efforts to try to keep the view away from public Right-of-Way view; as well as there's just literally some security that the Statute requires to make sure that it's not easily accessible around the exterior of an outdoor cultivation.

Council Member Thiede asked so is that, in terms of that buffering and so forth, then I guess I'm trying to think of what's the magic between the 20 acres and the 40 acres? Is there any?

Administrator Levitt replied just to give it a little extra protection from adjacent neighbors, especially in an outdoor cultivation where there is automatic odors when the plants are blooming, and you can't contain that. So, we're just trying to give it a little extra to avoid the nuisance issue to the adjacent properties.

Council Member Thiede said so, is it the fact that the 20 acres being indoor, coming down to that 20 acres, obviously you're better able to contain and secure things with a building vs. just outdoors. So, I guess I would say it's probably a good thing with the indoors, and I'd probably be okay with the 20 acres.

Attorney Land asked 20 acres just in the Industrial Park, or 20 acres citywide, also in the AG?

Mayor Bailey said I'll just say even if another, with all due respect to our friends at LeafLine, if another company wanted to come in, I would not want them to be able to do something that the others can't do, you know what I mean? Because then they get an undue advantage, so I'm thinking if we're going to, with those Zoning Districts, I'd say you let it be 20, it still keeps them in compliance. If somebody else came in or wanted to build a building on a 20-acre parcel to cultivate, with all due seriousness, that would increase the tax base for us vs. adding a field with marijuana growing on it. That was my take on the whole thing.

Council Member Thiede said yeah, and I'm okay with it.

Mayor Bailey said that was my only difference, Tony, between the two. Council Member Khambata said yeah, I would agree with that.

Council Member Olsen said yeah, I think that's the way to go. Have you benchmarked any other communities? I know you represent several, but I mean.

Attorney Land replied yes, and they have, it ranges from 20 to 40, it's just kind of the average.

Council Member Olsen said I think your proposal now keeps 20 acres in the Industrial Park and then provides the rules as they are and they make sense.

Attorney Land said I'm seeing enough head nods now so we have a consensus on that. She said cultivation again in the I-1, I-2, and the AG Zones, buffer zone is 1,000 feet from residential, and then a minimum for outdoor would be a minimum of 40 acres, and indoors in the AG would be 40 acres. Council Member Olsen said correct.

Attorney Land said, so, moving onto the City Code Amendments, we're going to talk about the registration, the process, the fee table, and the odor ordinance. The OCM says now we can actually talk about licenses and the types of licensing uses is posted in Land Usage that we were talking about before. Business licenses come in these 13 different forms, and we get to regulate all of them; sort of, not really, we get to register them.

Registration Process: An applicant with one of those 13 names goes before the OCM and submits an application. The OCM gets to vet those applications, make sure that they meet all the criteria, and are eligible for that particular license. Then they go to the City and they gave them a preliminary approval, but it's on hold. And they send us what we would call a Zoning letter to make sure that that business is complying with that particular property that they want from a Land Use designation; I'm guessing there's going to be some hitches and glitches in that process because the applicant probably didn't think about it, so of course, the City's going to have to say no, you don't have a CUP, and it's going to go back to square one and go to the City and get the CUP and then try to walk through OCM again. Then OCM will say okay, you're now in compliant zoning, here's your license. Once they have their license in hand, they will walk into City Hall, ask for the City Clerk, and say I'd like to register with you. So, that's the process. Once they enter the door, we will apply very, very minimal criteria because OCM has already gone through these applicants and done all the background investigation; so, we just kind of check the boxes, are you complying with our ordinances? Like do you meet Zoning and everything that we have in our registration ordinance; have you paid your fee? Are you current on property taxes and assessments? Do you have your State license, please? And then are you paid up on any City fees and regulations that sometimes we find when an applicant comes in; oh, by the way, you forgot this, come current on your escrow fees. So, we'll catch all of those things at that point.

City Council approval will be required for all of these registrations; we're not going to do an administrative approval, so they will show up on your agenda. The term cannot be coterminous, like we normally do, with a January 1 to December 31 license; we don't get to do that with these registrations because the OCM will be issuing them annually, based on a 12-month period, based on whenever they walk in the door and get final approval. It could be March 1, it could be March 12, we don't know; but whatever that term is, it's going to create a little bit of a logistical issue just keeping track of these awkward registration terms, but that's what we're going to have to do because we need to keep it consistent with OCM's license. Registration is just like licenses, we're saying they're not transferable, so they don't try to sell them to another business or move them to another place; so, if the

owner wants to sell the business, the new owner has to come in and apply. There will be a cap on the fees, per State law, we'll go through that. We can have a cap on the number of retail dispensaries, and we'll talk about that, and then special events are a separate permit, they're not a registration, and we'll discuss what the details are of that.

Fees: So, OCM, in their infinite wisdom, has decided they get to charge their fees, they get to charge an Application Fee, a License Fee, and then the Renewal Fee. The City can charge half of the OCM's License Fee, with a cap of \$500 for the initial registration, and then half of the Renewal Fee, or a cap of \$1,000. So, even though LeafLine will walk in the door and pay \$20,000 for their first initial application, we will get \$500. And LeafLine will pay \$70,000 for their Renewal License from OCM, they will pay us \$1,000. So, that's just reality, what we're faced with, the Legislature's the boss.

Lower potency, hemp, edibles, beverages, I just want you to think about this for a second, okay? This is again a gut-check moment. We have already said these are going to be permitted uses if it's associated with a liquor license, right? So, people can sell the beverages at an off-sale liquor store or on-sale with an on-sale intoxicating liquor license. They will be required to register with the City, so even though they don't need Zoning approval, they will still come to Tammy's desk and she will process them and they will show up on your Council Agenda. But I want to point out that at this point in time, there is no insurance available for on-sale consumption of a THC beverage; so, any bar or restaurant that's selling it, even though they have dram shop insurance for their alcohol, has no insurance for the THC beverages. Now, the industry may figure this out and eventually insure them, but as of right now, there's no insurance for it. I'll give you kind of the horriddest of all horrors where an underage person goes into a bar, they order a THC beverage, they are served, they are overserved, they walk out of that bar and they die, for whatever reason, hypothermia. The parents sue the bar; well, with a THC beverage, it wasn't alcohol so their dram shop isn't going to touch it. They have no insurance for this. Now, this is not a reflection on the City, this is a protection of the public. So, I just ask you to kind of again have that gut check; do we want to put in the ordinance that in order to register and complete an application for a registration, that they have to have insurance for this product?

Council Member Khambata asked considering nobody offers insurance for that, would that be acting in an arbitrary and capricious manner?

Attorney Land said it's open for everybody, I mean, I just think it's a liability.

Council Member Thiede said but it's not a liability on the City, it's only on the restaurant.

Mayor Bailey said I could see the bar getting sued; Council Member Thiede agreed.

Council Member Khambata said I wouldn't touch that, but the question is why require insurance that doesn't exist? That seems arbitrary.

Attorney Land said okay, then I'm seeing no insurance, and that's fine.

Attorney Land said these are permitted uses; a registration can only be suspended by the City for a period of 30 days, and OCM will investigate and they can overrule and give the keys back to the business owner. So, by making it a permitted use, we have little control; by making it a conditional use, we would have the ability to revoke a CUP for any violation of our City Code. So, I just again want to throw that out there as a gut check; are you still under sort of the policy directive that these, when it's a beverage sold with a liquor license, then it's a permitted use?

Mayor Bailey asked so if our people go in and do a compliance check, if they were to fail it because they gave somebody a low-dose beverage, would that fall under our current alcohol process?

Attorney Land replied no, we can give them a \$2,000 penalty, that's it.

Mayor Bailey asked is that because of that product or just any of them?

Attorney Land replied that's because of that product. So, the Statute says if someone fails an underage compliance check or sells to an underage human not in a compliance check but we find out about it, we can issue a \$2,000 penalty, but we can't suspend their registration over it.

Mayor Bailey asked unless we make it a conditional use? Attorney Land replied yes.

Council Member Olsen said because then we have the ability to revoke that permit, in which case they can no longer conduct business with that.

Council Member Thiede asked is that similar to the liquor?

Attorney Land replied well, the City has control over a liquor license, and we can revoke those. We can have a hearing, and obviously, with the CUP you would as well. We've done that before with rental property. Council Member Thiede said well, I would just keep the conditional use. Mayor Bailey said that's what I'm thinking, too.

Council Member Olsen said and that way, too, remind me again, though, if we did make that a conditional use, to make that come forth to require a CUP, what kind of expense is that?

Attorney Land replied you know we could kind of, I think the medium approach might be an Administrative Conditional Use Permit, so it's approved by staff.

Council Member Olsen said I would prefer that, personally.

Attorney Land said it would have the same revocation ability.

Mayor Bailey said I asked you everything I wanted. Tony?

Council Member Khambata said it's a separate conditional use from the liquor license, and they fail a compliance check, how do we police that? If they can still operate as a liquor establishment, how do we ensure that they're not also still selling the THC beverages?

Attorney Land replied a spot check. I mean, that's the Police Department, that's usually what you do when somebody has been a troublemaker, you just keep checking up on them.

Mayor Bailey said, Kori, real quick; so, if a restaurant selling liquor were to fail on this, we could revoke their CUP for this, but they could still sell alcohol?

Attorney Land replied correct.

Council Member Garza said and just piggybacking off of what you're saying, and I brought this up at the last meeting, I don't understand what the separation between the two is if there's a CUP for liquor.

Attorney Land replied there isn't.

Council Member Khambata said it's a separate license. Council Member Olsen said a liquor license is a liquor license.

Council Member Garza asked and there's not a cannabis license? Council Member Olsen replied there is now.

Council Member Garza said and you can't have a cannabis license yet, the OCM is in control. Okay, that's what I was trying to get; I just don't get why we're treating them differently.

Council Member Olsen said it's about having a degree of accountability; Council Member Garza said yeah, I get that, I just didn't understand that it wasn't on a CUP.

Council Member Olsen asked Administrator Levitt if she had a thought on the CUP piece?

Administrator Levitt replied it gives you more leverage that you don't have today. An Administrative CUP would be more appropriate, I think, and not creating as much workload for staff. We can bring that all to the Planning Commission and then to you so it can be more expedited.

Council Member Khambata said I agree with the Administrative CUP; Council Member Olsen and Mayor Bailey said I do, too.

Mayor Bailey asked Kori again, just so I'm clear, let's say they fail the compliance check, we could revoke, you said something about a \$2,000 fine?

Attorney Land replied right; so, the State law allows you to issue an administrative penalty of \$2,000 for failing a compliance check.

Mayor Bailey asked so would this be one of those situations where you could do, kind of like what we do with alcohol, where you can say if it's the first time, it's this?

Attorney Land replied well, absolutely. Obviously, somebody if they are caught in a compliance check failure and I think even High North failed it the first time, we're going to issue whether it's a financial penalty, and you can

have a scale if you want for second and third violations; so, it doesn't have to be \$2,000 the first time, maybe it's \$500, and then you move up from there. Obviously, you're not going to revoke their CUP for one violation; it's got to be a repetitive behavior.

Mayor Bailey said so then my comment would be it's a great CUP idea for that option, and then I think staff, you need to come up with the scale, similar to what we've done with alcohol, in my opinion.

Council Member Garza said I have a question about revocation; at what point is revocation, is revocation the third time? I would think if they're selling to underage, whether it's alcohol or whether it's cannabis, shouldn't they be closed?

Mayor Bailey said I don't disagree, it's just the way it is.

Council Member Garza said yeah, it's like, if you sold a liquor drink and they're under 21 or if you sold a cannabis drink under 21, they still should be, they should be in trouble, right? That shouldn't be any different.

Mayor Bailey said that's what they're trying to do for us, and then I think what we just said is that we'll try to mirror the options we can to current alcohol scales, and then at what point do you revoke? I think now it would be the third time.

Council Member Olsen asked is there any difference with the drinks that don't contain alcohol vs. the drinks that do contain alcohol with regard to who is allowed to police it, to do the checks? For example, our Police Department is the one that handles all of the liquor compliance checks; does the Police Department have to be the one to do the THC?

Attorney Land replied yes, it has to be.

Council Member Olsen asked even though it's an Administrative CUP vs. it coming to Council, it's still depending on who's going to be responsible.

Council Member Thiede said I don't think we'd want it any different.

Council Member Olsen said well, I'm just asking because of course that's additional workload for them.

Attorney Land said it is, but there's an elbow. I think you just kind of do it the same time they do their alcohol check; it's just one of the, I think normally they like to have them in pairs, one of you order beer, and one of you order a THC beverage and see what happens.

Council Member Olsen said okay, fair enough.

Council Member Khambata said yeah, that was going to be my next question, directed at Public Safety, is having to do these compliance checks and unnecessary, like where's the complexity at to your existing system for spot checks?

Public Safety Director Pete Koerner replied obviously, it's more work, but I don't think it's getting more complex, whether we do one night; right now, we do one night where we do tobacco, and the next night we do alcohol, it's manageable.

Council Member Khambata asked so it's not asking an unnecessary degree of effort from you guys? Director Koerner replied no.

Attorney Land said just to confirm, the legislation allows you to put a cap on the number of retail dispensaries. So, these are the cannabis version, not the low potency, you can't put a cap on that. But the cannabis retailers, that's your dispensary, whether it's part of just a standalone one or it's a mezzobusiness or a microbusiness. So, those three types of retail cannabis, you can put a cap on the number of how many you have in your City based on your population. You have to have one for every 12,500 people. So, what I wrote into the Code was you will allow one for every 12,500 people; you have 41,207 people, according to the last State demographer's count in 2022, and by my math, that's three. You haven't quite reached four, but you're close. So, you're at three that you would have to allow in the community. Do you want that cap, or do you not care?

Council Member Garza asked do we have a cap on liquor stores?

Mayor Bailey replied there's a law for that, isn't there? Director Koerner replied yeah, it's related to the liquor licenses.

Council Member Khambata asked doesn't our Zoning Ordinance already kind of limit the; I thought I counted it, there was four or five, but if you took all the applicable Zoning setbacks, then there'd only be like four-or-five locations.

Attorney Land replied well, it would be that first map that I showed you with the bubbles.

Council Member Khambata said right, it would be 1,000 feet from another establishment and all of the other things. I think, unofficially in my head, it would come to like four-or-five opportunity zones where you could have separate places. But, again, like as we develop in the future, and we have additional Industrial areas, the number of places where one could be could also change.

Attorney Land said well, it couldn't be in the Industrial Zones; it has to be in the B-3, PB, or MU.

Council Member Khambata said but yes, so, I guess I think the current Zoning setbacks are one limiting factor. Do we need to have a conversation about if there are any additional ones?

Council Member Thiede replied it doesn't let them, I guess this gives us a little more control on it. And like we were saying initially, I'd rather have the control and you can always loosen it up vs. having to tighten it or something like that, right?

Mayor Bailey said so, you're basically saying right now is there will be three dispensaries; Attorney Land replied yes, you would have to allow three. Mayor Bailey said well, High North would already be one.

Attorney Land replied yes, if High North converts to a dispensary; now, their low-potency use doesn't count, but if they convert it to a dispensary, then that would be one.

Council Member Thiede said I'd say go with three. Mayor Bailey said and we can change it in the future. Attorney Land said you can always remove it later. Council Member Olsen said and the way it's written, I think, makes it pretty easy to do the math.

Special Event Permits: Attorney Land said now, Cannabis Special Event Organizers is one of the categories of business licenses, and this says they don't have to come to the City for a registration, but they do have to have their event permit approved by the City. The process, unfortunately, in State law I think is backwards: Instead of coming to the City first and asking for approval, they're supposed to go to the OCM with all of their paperwork and the material that says here's all my background investigation, and you can check all the boxes on my criteria for making me eligible for a cannabis organizer license and here's my proof that the City already approved it. The City needs to approve it first, so everything in State law that they're supposed to submit about their actual event we have to require to see because we have to know where are your entrances and exits, how are you storing your product, how are you spot checking all of the people, making sure everybody's over 21 that enters into the area, where are you storing your waste? So, all of this stuff we need to know upfront, and so we're requiring in the Code, and it looks like a lot of things that they have to submit, but that's because the State's going to be asking for it; what does the State know about our City? We know our City and our properties better than they do. So, you need to approve everything that they're seeing before it goes to the State. So, one of the recommendations, and this is again up to you, is that an event may only be allowed on private property, it avoids any liability by being in a public park. We have insurance for our parks; they can't get insurance for onsite consumption, that might be a problem. So, I'm recommending that we have private property only you can put, unless with Council approval if you want to allow them. Because I see these in two different forms: It's either going to be a Food Truck event that's all cannabis vendors or what they call the Weed Dabbler, I've heard, so you have that, and that's all just cannabis vendors vs. the I'm a cannabis vendor and I want to come to Strawberry Fest and put up my tent. And/or maybe I even want to have instead of the beer tent, we're going to have my weed tent at Strawberry Fest, it's on public property, but it's not like the entire event, it's a special event for weed; it's just part of a larger event. Either one of those things would have to be approved by you, whether it is on private property or you want to allow it on public property. But my question is do you want to allow cannabis vendors with special events, which is what they're calling them, to occur on public property?

Mayor Bailey said here is my question, we don't allow smoking in our parks, correct? So, then, the answer is no. Because if you can't smoke cigarettes or whatever in the park, why would we say okay, you can have an event and you can smoke marijuana in the park? It doesn't make any sense.

Council Member Olsen said yeah, I'm on the same page.

Council Member Thiede asked are you able to differentiate between the smoking version event and then the lower version?

Attorney Land replied right, that's the other piece, is they'll say well, maybe we're just a low-potency event.

Council Member Khambata asked does State Statute allow us to regulate low potency in this scenario?

Attorney Land replied yes, it's the same; a special event organizer can be doing either one of those special events, any kind, either low-potency or cannabis.

Council Member Garza asked if they decided that they wanted to host a cannabis event, they can do it on private property?

Attorney Land replied yes, they couldn't apply for it.

Council Member Garza said and what you see around the Twin Cities, especially related to cannabis events, they're generally on private property, they're not seeing them at parks. So, I don't think they should be there.

Mayor Bailey said to your point, I agree, but I think as this develops, I guess we'll see; some cities are free wheeling it, letting whatever happen, and then there are other cities, which I'll be honest with you, the majority of the suburbs are keeping it really on private.

Attorney Land said and again, you can always, if it's not a big deal or it ends up being something you want to pursue, you need to let me know and I'll modify it. All right, so, it's not on public property.

Again, they have to have a security plan, and we're going to run that by the Police Department to make sure that it all works; but even if it's on private property, we still want to make sure that there's going to be a good security plan for it, know all the specifics about it, is it indoors or is it outdoors. I'm still confused on these, as they can be up to four days, but is that consecutive, or is that over several weekends, or is that I can come back for four days every week? I don't quite know how that's supposed to work, and OCM doesn't have their rules, so, we don't really know. It just says it can be up to four days. There can be onsite consumption; again, we would do that on a case-by-case basis. We are going to require an escrow fee, just in case there's a security issue and the Police Department has to respond; extraordinary efforts may require the Fire Department to respond. We want to be able to have some kind of security deposit to cover those costs, and then the wonderful category of other conditions imposed by the Council.

Attorney Land said and just because we are aware, because we know that cannabis manufacturing, as well as cultivation, has an odor, and we want to make sure that these businesses are good neighbors. So, timing wise, it seems appropriate to introduce an Odor Ordinance now, but it's not specific to cannabis; any business that stinks is going to come under this umbrella of odor. There's wonderful technology that's very, very objective that will be required; it will require an investment by the City to purchase this nasal ranger or some kind of similar detection device, but it is extremely accurate. For LeafLine, we made them buy it and become owner of a nasal ranger; they had to have a certified nasal ranger on staff. So, they are complying with the Odor Ordinance to make sure that they aren't an issue or a problem. It does have some very nice objective standards, kinds of sets of rules of so many violations within so many months, now you have to come in and meet with us; it's not like we immediately punish, it's let's talk, let's see if we can work out some kind of an odor mitigation technology that will solve the problems. If they don't want to self correct, that's when they get into the punishment zone, and there are options for that as well.

Council Member Garza asked with this ordinance, does this affect like the farmers when they're doing their fertilizing and it smells like manure? Is that going to be an Odor Ordinance violation?

Attorney Land replied if someone complained, we would have to look into it. I mean, obviously, there's a very real odor, and that's the process that the farmers use.

Council Member Thiede said and that's somewhat subjective, depending on the person. I know that there are farmers that think that's the smell of money.

Council Member Garza said and that would be everything, then, that we're talking about that has an odor, right?

Attorney Land said so, my plan is I will go back to tweak the ordinances, based on this discussion, and present it to you for adoption at your next meeting: There will be the Zoning Amendment, the Registration Amendment, and

the Odor Ordinance. The fee schedule will be updated together, so the cannabis fees will be incorporated into that one and updated as a whole.

Mayor Bailey said sounds good, thank you, Kori, for walking us through this, it is such an impossible, stupid thing.

Council Member Olsen said well, I'm sure we'll be talking more at a later date, when the OCM starts to implement some of their things.

Mayor Bailey asked now do they have to be up and running January 1?

Attorney Land replied it will be the target. Everybody's moratoria, all the cities' moratoria have to expire December 31, which is why everybody's kind of scrambling to get something in place, even though there aren't any rules yet. So, yes, to your point, we will probably have to come back and revisit once they finally kind of get things more solidified and are actually implementing things. I have heard second quarter of 2025 before they'd be issuing licenses; there might be some licenses they can certainly do sooner than that, medical, as they've been licensing that for years so they should be able to get that one, I would think, fairly quickly. But some of the others, it will just take longer for them to finalize all the processes they have to go through, so, second quarter, third quarter of 2025.

Mayor Bailey said all right, sounds good, thank you.

B. 2025 Property Tax Levy and Budget Workshop

Staff Recommendation: Provide staff with feedback and direction regarding the 2025 Property Tax Levy and Budget.

Mayor Bailey said next up is Brenda, who will take us through the levy and the budget discussion.

Brenda Malinowski, Finance Director, said so, when we met in September at that last budget workshop, Council, you had requested that we come back and touch base with you before the final levy adoption at the next Council Meeting. There were a number of items that we weren't able to get in the levy, and so, we were looking to see if there were other ways that the funds for those items, those budget adds, about \$424,000, in yellow. So, that's why we're coming back to you tonight. Then there are updates on some other things that have happened since September that we want to hear direction on whether to put it in the levy or not.

So, here's our budget calendar; we've been going all year, and at home you received your estimated Property Tax Statements this week. Tonight we're at this workshop and we will adopt the final levy at the next meeting. So, here is our levy; just a reminder, it is 12.98% with the HRA portion, without the HRA portion it's about 12.39%. The biggest increase in that property tax levy is our General Fund, so, our chief Operating Budget for the City.

I thought it would be good to know the changes, what was the reason for that levy increase of 12.98%; so, we did a pie chart of 100%, the largest portion is the salary and benefits from those contracts that have been negotiated and settled since we met in September, so, those have been worked into the budget. We had contingencies for that, so we had enough contingency in the budget to put all those in the budget and not have to find things to cut in order to get those salaries and benefits for those contracts in the budget. The other largest portion is those Internal Service Funds; primarily, our health insurance went up 10%, so that's not in that top number, but it is here in that Internal Service Fund. Worker's Comp is statewide, and then our IT Service is cybersecurity, those software commitments that we make to keep us safe. So, that is the increases.

City Tax Rate: We're at 37.177%, that includes the HRA Levy, we got that from the County this week. That is consistent with where we were back in 2021-2022. In 2023, we went down, we had those big appreciations of existing homes in the community; we're no different than anywhere else in Minnesota or the nation there. So, we did have that jump in Tax Rate, so we're kind of stabilizing that to where we were.

Our sample properties, here is pretty close to what we looked at in September, it's gone down just a little bit on those five sample properties. The median home, when the County came back, the Assessor's Office said our median home decreased 2%; now, the County is saying it went down 4.17%, and so we're using that number

because that is what the County is looking at when they hold their budget workshop, that's what's online. The value is about the same for 2025, 2024 was just a little bit different. So, at the end of the day, that median home increased \$58, that includes that HRA Levy. Remember it would increase by about \$35 if there wasn't the change in the homestead market value exclusion credits this year. So, there's that shift, so these residential properties built have seen less of an increase in property taxes this year. But our other property classes or tax classes, that still has to be paid and so they'll be paying it. The State's not paying this, nobody else is paying this, but the other taxpayers are paying this. So, we remind people that as we went through the budget cuts, we were still tracking rates on that median home, consistent with our FMP, which targets a \$100 increase on that median home.

On the bottom, into the future, we know that 2026 had a lot of equipment, so we're starting to put a Park Levy in there so we've got a large increase in 2026, then we stabilize right around that \$100. So, we do have a little bit of work to do for 2026, but remember at that last budget workshop in August, you did decide to move some of the equipment forward, into 2025. So, that brought that down to that \$132, as it was a little bit higher at that point. Even with that increase in 2026, we still have some equipment that we haven't been able to make in there, and equipment is going to be our biggest gameplan, I think, which is how we get our levy increase. It's at about \$1.2M of an equipment deficit in 2026, even with that \$130 increase.

Director Malinowski asked if there were any questions on that; none were asked.

Director Malinowski asked and how do we compare? Preliminary levies are in, property tax rates are in here for Washington County, so we're able to take a look at our median home compared to median homes across all of Washington County, for other cities. As you can see, we are still second from the bottom; we haven't gone up and we haven't gone down, we're right where we were last year, just behind St. Paul Park.

Here are our growing communities of over 40,000; here, we're third from the bottom, the same as last year. It's kind of interesting that the Apple Valley and Maple Grove, it was, they were all kind of right in a line.

How do we compare with Tax Rates? So, just to be mindful of our Tax Rate, I always say that we can buy a different, better, or a bigger median home here in Cottage Grove than we can in any other community in Washington County, but let's still be mindful of our Tax Rate. So, we're not at the top and we're not all the way at the bottom; we're in the bottom quadrant.

Washington County has this, and I'll send you the packet that they have for their Board; some of you probably have already seen it, but it has a lot of great information. They do have the City, Town portion for all the cities, and Cottage Grove is favorable there, with a \$58 increase compared to the average there of \$61 throughout the County.

Fund Balance Policy: So, we started to talk about those items that were in yellow, those budget adds that we wanted to maybe fund if we had additional dollars with our performance in 2024 for some of those other budget adds and items. I just want to review the policy; so, it's just saying that at the end of the year we should have 45%-55% of our combined Fund Balance at the end of the year to pay next year, because we won't get our first settlement until July. If it's above that percentage, we can transfer that; so, once we determine what the unassigned Fund Balance is at the end of the year, in the past and this year would be no different, we can send some out to our other funds. Per our policy, we send it to our Debt Service Fund at 30%, Equipment Replacement 25%, Building Replacement 15%, Future Pavement Management 10%, and then a small portion to the Internal Service Funds. The Finance Director and the City Administrator are allowed to do designations, and those are the numbers that we're talking about tonight, and we need your input on what those designations are. Specifically, there are things such as a piece of capital equipment that we couldn't get purchased on time, by the end of the year, we will carry forward because we couldn't complete that purchase this year. Or we know that we're having a hard January and we need to buy some salt, and we have savings in our 2024 budget, we will call that a designation, and we'll carry that forward. We bring it back to Council and tell you what we're doing, but this is what we're talking about tonight.

Here's the history of the transfers that we've done in the past, this goes back to 2017, and some years we had quite a large transfer, and some years, 2022, we didn't have any. It was a hard year because of inflation, and we had market adjustments, and we were just glad to meet our fund balance policy at the end of the year.

Here's just a quick calculation, I took a spreadsheet, so it's not super pretty, but our ending 2023 General Fund Balance was about \$15.4M; we're anticipating we'll be able to increase our General Fund by about \$1.8M. A big portion of that is savings for our snow removal, it is our building permit revenue, it is our investment interest, the market that's now coming back the other way. Our budget contingency, we had \$200K in budget contingency; if we don't spend that, it gets added to our Fund Balance, so, that explains that \$1.8M. So, what the Compensated Absence is, it would usually be down here, it is one of those assignments that we talked about; so, when employees leave the City of Cottage Grove, if they have annual leave on the books, they can get that paid out. At the end of the year, everybody can carry forward 264 hours, and we're going to increase that starting next year. So, we have to be prepared that if somebody retires on January 10 or December 31 of the next year, that we can pay that balance out; and, so, that is a calculation that we have to do per GASB requirements, and yes, we have to fund that on financial statements. So, we think it would be a good idea to put that into an Internal Service Fund so that money is sitting there; and then we can demonstrate to S&P Global when we go for a debt rating or a financial rating, that we're being mindful, we're funding our liabilities in the future. And we think that's more transparent to do it that way, so that's what we're recommending. So, while it would be here, we've got it up there this year. It doesn't make a change down here, but I just wanted to tell you that we were going to be doing that. So, our estimated ending Fund Balance is about \$15.8M, and this is where we do our assignments, and that's what we're talking about tonight; and we're talking about this \$756K, so \$442K of it goes to those yellow budget items, but then there's other things that we'll be talking about this evening. So, if we take that \$15.8M and we subtract out these add items here, it gives us \$1.8M; take the \$15.8M minus the \$1.8M, is our unassigned ending Fund Balance of \$14M. If we take next year's budget, our unassigned Fund Balance is going to be 49%; so, it's in our range of 45%-55%. That was a lot of numbers and a lot of explanation, are there any questions on that before we go forward; no questions were asked.

Administrator Levitt said just as a reminder, it will probably be on the December 18 Council Meeting to set up that fund for that Compensated Absence, you will see that. I think it's really important that we strengthen our position for bond before we go out for bonding with S&P.

Director Malinowski said and here's where we're starting, so here's that \$424K, those were the items, the budget adds in yellow that Council had said okay, we would like to fund that if we have a way to fund that; and so, I can review all of them, or if you have any questions on any of those budget items, the budget adds.

Council Member Olsen said yes, I have a question, but it doesn't have to do with anything that was on the screen, though. You mentioned that there's still some equipment liability kind of baked into the 2026 number at this point in time, and of course things are fluid and some stuff will change or whatever, and that's despite trying to move some of the equipment up an additional year, to 2025. Our Fund Balance after this expense is 49%, and our range is 45%-55%. Is there any equipment that we could potentially fund with the Fund Balance that would still keep us within the 45%-55% range but would take it off the books for the future if we pay for it now? Is there anything like that that you discussed?

Director Malinowski replied we haven't discussed it internally, and I think what I'm hearing, so, instead of sending it out to the other funds, should we just focus on equipment by putting it in the designation?

Council Member Olsen said that's, to some degree, yes, that's what I'm saying. But what I'm really looking for is there something additionally that could be added to this list that is of importance, from an equipment perspective, that would still enable us to maintain our 45%-55% Fund Balance as we rollover? Because after you pay for these things, you're still saying we're around 49%. So, is there something else that we may want to pay for now that we would absorb, not push it off into the future, to mitigate that issue that we're staring in the face for 2026? Is that even something you guys want to talk about, or is that probably a conversation for a later date? The idea being okay, if you don't want to talk about it, we're not going to talk about equipment, in order to make sure that when that bill does come, that we'll be able to buy it and pay for it. Either option will work for me.

Administrator Levitt said one option is, if you want to forego your policy, you could direct staff to tell us to put it all in the Equipment Replacement, and that would then apply to that flexibility of those funds to address this. Because staff really hasn't looked at any of the actual equipment list, but if you would like to do something like that, you could redirect us to make that allocation.

Mayor Bailey asked would that one be allowed out there? The range, or if we reallocate?

Council Member Olsen said no.

Director Malinowski replied I said we've got \$1.2M in equipment that isn't in the \$130 increase on that median home. In addition, there was about \$1.2M in equipment that's been requested for 2026 that isn't in that \$130 on that median home.

Council Member Olsen said I think maybe I misunderstood, but were you asking what would the rollover be?

Mayor Bailey replied yeah, that's what I was looking at, when you're requesting these funds.

Council Member Olsen asked what is our current Fund Balance Policy?

Mayor Bailey said our current Fund Balance Policy is going to divvy out to those different buckets.

Administrator Levitt said the only thing is, I better make sure that we caveat that with the next slide that you're going to show them that there's an actual reduction. Because we would coordinate with Zac an addition, so we'd have to add those things in, you see what I'm saying, to get to our number.

Director Malinowski said so, we're going to add all this small stuff.

Administrator Levitt said so that's the additions that we're looking for; Council Member Olsen said that is correct.

Director Malinowski okay, so this \$756K, the \$424K we just talked about, and then we'll be talking about some more of the numbers later. So, my apologies, I did not understand that question.

Council Member Khambata said so, for clarity, the items we're discussing are already represented in that 49.6% Fund Balance; Director Malinowski said correct.

Council Member Olsen said except for this, this is not.

Council Member Khambata said so that's about another \$160. When we go out for ratings, our policy is 45%-55%, but when they look at our Fund Balance being say 49%, 50%, or 51%, does that have a more, does that reflect differently from their perspective, or is it just within our projected window, we are rated one way? So, will this 45% reflect differently than being at like 55%?

Director Malinowski replied it doesn't reflect differently; so, as long as we're sticking with our policy, as long as we're following our FMP, that's what we talk with S&P about, is that we're following this plan. Our Fund Balance Policy states that we're between 45% and 55%, and we are within that percent. As Finance Director, I can come to them with a 50%, because it's right in the middle. And then if there are fluctuations the next year, either way, then we're still able to do that. So, this is in that 49% that we talked about.

Council Member Olsen said and with respect to, you mentioned the FMP, so I know that Council Member Thiede has mentioned on several occasions, you know, gosh, we're kind of projecting this \$100 per year thing, and wouldn't it be nice to stay within that number? The 2026 number is quite a bit more than that. So, by redirecting the Fund Balance to equipment, we should then, based on what I'm thinking so please correct me if I'm wrong, but we should then be able to mitigate that 2026 number, to bring it down closer to that \$100 level that we'd all like to stay at; to kind of keep the ship on an even keel instead of rising like this. From where I stand, if what I'm saying is true, it seems like a wise choice.

Council Member Khambata said as for the designation, it doesn't actually spend the money, it just allocates it.

Council Member Olsen said it moves it forward.

Council Member Khambata asked so our Fund Balance stays 49%? Mayor Bailey Council Member Olsen confirmed that.

Director Malinowski said and I think I'm understanding this, Council, that if there is an amount that we can try to designate for equipment, that actually we would even transfer it to our Equipment Replacement Fund?

Council Member Olsen said that's what I'm thinking, yes.

Director Malinowski said so instead of even doing a designation for that dollar amount of equipment, that we would transfer it to that fund so it's available there for our 2026 budget.

Council Member Olsen replied yes, because it's all necessary stuff; it's not like we can delay it, and we don't want to issue Equipment Certificates if we can help it because that just adds to our debt value. So, again, it seems to

make sense that if we want to mitigate that number for 2026, we need to make a decision now to do that by allocating those funds specifically for that use.

Director Malinowski said we typically come back the first meeting in February, and at that point, we'll know exactly how this is going to work.

Council Member Olsen said yes, once all bills are paid and everything. Director Malinowski said yes, everything's okay, we've paid all our employees, we've taken care of all our bills and everything else that we need to.

Mayor Bailey said so, Brenda, at that point, what you're saying is once we've paid everything, we then would determine if we wanted to change the designation. That way, we may move it towards equipment, and that would help with the budget for 2026, okay.

Council Member Olsen asked are you comfortable with that approach?

Director Malinowski replied I like that approach; that equipment number alarms me.

Council Member Khambata asked so if projections come in lower than expected or we have another event like 2020 where the economy falls flat, is there a possibility of pulling that back if we find ourselves in a position where we need it?

Council Member Olsen replied yeah, we can always transfer funds; we just can't use the money for anything other than its designated use because there's a Statute that directs the funds.

Mayor Bailey said well, even if things went bad, like it did in 2023, we pulled things out because we had to, to make sure that we balanced our budget. To be honest with you, that didn't exacerbate our problems with anything; because we said okay, we're not going to buy this or we're not going to buy that this year because we need to make sure that budget's safe, due to the inflation rates.

Council Member Olsen said and let's not forget, it's still taking a long time to get equipment, so being planful is critical.

Mayor Bailey said I also like how we're trying to work towards the Fire Cadet program; I think it's a great idea. The Traffic Enforcement Officer, when you see some of the numbers, it's unbelievable the number of DWIs and such he's already catching. And then the Outdoor Siren grant, I think that's fantastic because I think that's going to get the City some additional funding, and I like that, and we obviously need it. And I didn't talk about the police cameras, but we obviously need them.

Administrator Levitt said so, I mean it's usually not this early in the process that we would identify, but we just wanted to make sure that we could grab that low-hanging fruit that was left over and we could grab these extra things; so, I think we're good to move on with it.

Director Malinowski said and then with that, I'll turn it over to Ryan. And this, what he's talking about, we let you know a lot of times we've seen that the number and designation, too.

Council Member Olsen said so you've already baked it in, which Director Malinowski confirmed.

Administrator Levitt said we said \$30K for the next 4 years, but I think it's probably more important for us if we can buy equipment.

August, 2024 Storm Debris Disposal

Director Burfeind said I only have one slide for you today. So, I'm just looking at our storm cleanup and outstanding costs. So, we talked about tree debris removal; we have those two big piles sitting down at the compost site. There were some different thoughts or staff directives when we had our workshop back in October:

- The first one was talking to more logging companies, people who would harvest wood, if they would have interest in coming to the site. Gavin, our former Forester, a Management Analyst now, he reached out to several. For the most part, they were looking for damaged trees and good trees out in the forest, but they also really didn't want to get into trouble with EAB quarantine restrictions, moving across County lines, all those different situations. So, we didn't have any interest in doing it from that standpoint.

- We also reached out to firewood companies, which can be a little bit more local, so they can maybe not have issues with the EAB quarantine issues. Everyone that we talked to already have a sufficient supply that they work off, and from their standpoint, it was just easier to manage and not touch our pretty big piles.

So, unfortunately, with those two routes, we spoke to several companies and could not get any interest in reducing that pile size.

We worked a lot with the Fire Department on a prescribed burn option. Just from a safety management perspective, we really want to keep them in like 10 x 10 pile sizes, and there's so much wood, there would be 250 separate burns is what we estimated. We would need to hire a company to do that, just because at the City level we don't have that training expertise to manage more of a prescribed burn. So, that's cost prohibitive and also just the environmental concerns, as people would see this constant burning of this material that's just going up in smoke, quite literally. So, that does leave the chipping and hauling to St. Paul District Energy. I think we have presented a number of \$100K-\$110K, just making sure we have coverage, looking at \$30K each year for 4 years. It is okay to leave that pile there, it is on City land. Maybe some of it we'd target first, so it's out of the way if we need some fill. But the Kwik Trip site, for the most part, is on the back part of that City property, not in the way of anything, not causing any harm. It's also good, just from a public perspective, that is Renewable by Energy; that's basically a giant boiler that provides all the heat for downtown St. Paul. They have their own air emission standards that they're not polluting the environment with when they burn it. So, I think that's just good from a public perspective.

Other Outstanding Costs

Stump Grinding: The remaining stumps that were actually left in the ground that we'll grind in the fall; that's a contracted project that we have to deal with putting the topsoil down and reseeded, that's inhouse work, so it's \$12K just for material costs. Tree Replacements: \$81K to replace the 162 odd trees that were blown down; we do not have that in the budget for 2025, as planned, because really our budget every year is taken up with our 14,000 boulevard trees, dead, diseased, dying hazard trees that we cut down in winter and plant in the spring. And that's fully programmed, we use that each year. But we are going to be aggressively going after grant funding and we believe we can get that, our Representative Hansen has been consistently forwarding opportunities for us; they have been competitive grants, but I think we would score well. When we get the right one, there is one coming up from Metropolitan Council that we should qualify for; a lot of them require you to be in an area of environmental justice and there's specific boundaries of that. Unfortunately, where the storm hit they aren't in those boundaries. So, a couple of grants today we haven't qualified for, but it looks like with this Metropolitan Council grant we will, and then we would use that to do the tree planting. If we're not successful, we'll keep doing it, and we have told residents that we do have to get funding for this, so it may not happen in 2025 but if it happens in 2026, that's when it would be. So, we'll continue to do that, and that's the total at the bottom of all of our outstanding costs.

Director Burfeind asked if there were any questions on that, and none were asked.

Fire Cadet Program

Director Koerner said as we've had these budget conversations, one thing that keeps coming back is recruitment, hiring, staffing kind of things. So, we'll start with Captain Brad Petersen, I tasked him and Sergeant Torning, they've been looking at a C.S.O. Cadet Program; in 1992 we first started the parttime C.S.O. program, before that we had fulltime, but 50% of those have been hired as police officers in Cottage Grove. So, it's been very successful. One thing that has happened, though, is our C.S.O.s are becoming very marketable, and if we don't have a position available, we are losing them to other departments; so, that's why we've kind of taken the next step now to look at maybe a Cadet Program. With that success, I know the Fire leadership team has also been talking about recruitment and different challenges with staffing. They're trying to model a Fire Cadet Program off of our C.S.O. Program, and that's becoming a more-popular model. After that, we'll talk a little bit about some of the parttime hours to convert to fulltime. I know Council has received a ton of information over the last couple days, and I apologize for that. It's just really difficult to try to put into words in a memo or anything, so with that, I'll turn it over to Captain Petersen; after that, the Fire leadership team will talk about the other two.

Captain Petersen said good news, I'm not asking for any money. Just to set the stage, I'm going to quote a couple statistics from a recent IACP survey: Over the last four years, the number of police officers is consistently decreasing with only a very modest increase in 2024. Over 81% of police agencies are experiencing difficulty recruiting. About 75% of agencies are reporting that they're dedicating a significant amount more attention and

resources to recruiting and retention; despite all of these efforts, most agencies are operating at 91% of their authorized strength levels. I say that just to set the stage and give a reminder that this isn't a Cottage Grove problem, this is a nationwide issue where we're facing a lot of challenges and difficulty recruiting. I think we're better off than most agencies and that's because of the creative upstream thinking and solutions that we did over the last number of years. I believe those are working and will continue to work and pay dividends, but despite that, right now we're looking at a significant challenge to recruit and hire 5 police officers to return to authorized strength for our January academy. We went through several rounds of police interviews and C.S.O. interviews and didn't identify a ton of talent for the police officer position; we found some, but not enough. The really positive thing is there's a ton of talent in the C.S.O. ranks, so we identified 8 additional C.S.O.s that we want to bring online in the next probably 6 months; I'm confident the majority of those would be great officers for the City of Cottage Grove, and they're spaced out in terms of when they'll become POST eligible. So, looking 6 months and 3 years down the road, I don't think we're going to have any recruiting woes if we can retain them. And, so, as the chief said, that market is so competitive right now that all police agencies are doing whatever they can to get their hooks into these C.S.O. candidates; whether it's paying for their skills, offering them guaranteed jobs, or paying recruiting incentives. It's a cutthroat world out there right now, and so, what we're trying to do is get these C.S.O.s on board, retain them, and then make them our next police officers. So, what I would like to do is within the framework of our existing budget; so, if we can't find suitable POST eligible police officer candidates right now, we're going to kick that can down the road a little bit, have some salary and benefit savings, and then when our C.S.O. becomes eligible, they'd become our next police officer. In the meantime, we're going to pay for them to go to the skills program, and it ends up being some cost savings that way. Full transparency: We might end up in a situation where we're running understaffed, and that would need to incur some overtime expenses there. Despite that, I think this would be relatively budget neutral. So, what the C.S.O. program would look like is, just like we always have, we bring them on board as C.S.O.s first, let them prove themselves. Then as we interview them, vet them, if we decide that this is a person that we had interest in promoting to a police officer position, we'd make them a C.S.O. 2. They're still parttime, they're still only working about 30 hours a week, there are no benefits, but we're incentivizing them and rewarding them and investing in them with a little bit more training. About 4-to-6 months before they become POST eligible, we upgrade them to that C.S.O. Cadet program, which is a fulltime position with benefits. About 24 hours is dedicated to them going to school, and then the remaining 40 hours per week is a couple hours on the street where they're still doing a little bit of the C.S.O. stuff, but mostly their main focus is being prepared for that eventual police officer position. So, training, ride alongs, whatever we can do to get them on the street as a police officer faster. So, here's the cost breakdown: On the left, you'll see costs for a police officer, on the right is a C.S.O., these are the annual expenses that Joe provided. So, if you look at that 4-to-6 month window where they're a C.S.O. Cadet, a police officer would cost us \$63K over that 6-month range, and a C.S.O. Cadet, even if we paid for their skills and give them benefits, is only going to cost \$45,800, so a difference of about \$17,500. So, I'll give you a practical example of this: We've got a current C.S.O. right now, Cole Pfeifer. Rather than hiring a police officer to start on January 27, I hired Cole as a C.S.O. Cadet, we'd save \$17,500 and that might come down a little bit if we have to pay some overtime if we had some staffing crunches. Does that make sense? Captain Petersen said I could see us potentially up to 3 of these for this January academy if we can't find some high quality, ready-to-go police officers right now, which is a distinct possibility.

Captain Petersen said so, what I'm looking for is an authorization to pay their skills, create a fulltime position with benefits, and acknowledgement that there might be some overtime expenses.

Council Member Olsen asked if we put some money into this Cadet Program, obviously that's an indication on our behalf to the candidate like look, our gameplan is you're going to have a job here, right? There's still the risk that they could accept a position elsewhere, that risk still exists. Hopefully you mitigate that risk by doing this, but it still exists. So, what do you do if and when that happens?

Captain Petersen replied they sign a contract and they would agree to reimburse the City, make us whole for our investment, and that's prorated; for example, you have to stay here for 3 years, you'd be a cadet 3 years, and then their reimbursement is prorated. We've done that with our paramedic program back in the day. Director Koerner said that's the same as we just did with the Fire Cadet Program.

Council Member Olsen said I've got to tell you this is a very common approach in the private sector. Most of your pharmacists, as an example, they start out as a pharmacy technician, they work in a Walgreens or CVS, and when they demonstrate that they want to become a pharmacist, those companies pay for their school. That's not cheap. But they sign an agreement that says when I'm done with school, I'm going to work for you for a certain period of time. Once they kind of get comfortable in that environment, they tend to stay there a long time. So, it's not an unheard of thing, and it seems like it makes common sense. I mean we're kind of dipping our toe in the water with Fire right now, but with Mike Dandl and Sam Anderson and maybe even Jordan at some point, which I think is a good thing, too. It makes perfect sense, and I think it's a great idea.

Council Member Khambata asked do you know the approximate cost for the additional training and skills, what it will cost the City?

Captain Petersen replied yes, \$7,500 if you walk in off the street; for the rest of us, it's great to get the 20% discount because of our relationship, so it's \$3,400 for that skills bill.

Council Member Olsen said and I think, too, we're working on like Century and some other places, too, and that's one of the reasons we do the Woolery scholarship is because these folks, those are expenses that are part of this if you won't to become a Public Safety professional that you've got to fund somehow. It's a good idea.

Director Koerner said now we'll transition to the Fire Department.

Deputy Fire Chief Nick Arrigoni said we're going to piggyback off of the police officer cadet program a little bit as well, so a lot of this will be a little bit repeated. So, the Fire Cadet Program, which Woodbury and a couple other cities are doing, Oakdale is looking seriously into it, is an opportunity for individuals that are interested in the fire service to come in and they can get their certifications, Fire I, Fire 2, and we pay for them to become an EMT. They gain experience at like an entry-level position. Really, one of the big things that cadets could do that would help us tremendously in this program is the cadet's job is not to always go out on the call with the crew. So, really, their primary focus is community outreach, helping with CPR, Safe Haven visits. They would help shuffle vehicles here and there and some of those maintenance things, data collection. That really allows the crews, who are supposed to be going on the calls, to keep them on the calls. It would help us tremendously in department operations, much like your C.S.O. program currently does.

The Fire Cadets will serve a 3-year period. What we're asking for is a benefit position with a livable wage, and kind of the reason we're looking at that is it kind of fluctuates in like what ages would like to do this. You obviously get your younger population, but we might get some older folks, too, that we're trying to give them somewhat of a livable wage with benefits; so, they have the ability to enter into this Cadet Program instead of having to do something else. The goal of the Cadet Program, much like the police program, would be to have a spot for them at the end of the Cadet Program or in the last year of their Cadet Program. It really allows us to vet these folks, so they're working with us, they might be going on calls with us, they're obtaining their certifications, we allow them to get potential for other training opportunities. It's a very easy transition as we vet them and we say we want you, you're part of the Cottage Grove culture that we want to build. They're hired as a fulltime firefighter-EMT, and then much like we're doing with Sam Anderson and Mike Dandl, they'd go to paramedic school. The cost for this with a start date of March 1, 2025, would be \$58K, which we saw earlier; that includes benefits and wages.

We're going to move on to the potential to convert some parttime employees to a fulltime person. So, the way we operate right now is each shift, A, B, and C shift, has 6 positions; that's 24 hours a day, and of that, 5 of those positions are the fulltime firefighters. We have, ideally, 1 parttime firefighter-EMT or firefighter-paramedic makes up that sixth position, oftentimes 0600 to 1800, or 1800 to 0600 are the times, and they predominantly work 12-hour shifts. Our full-timers work 2,756 per year, not including overtime. Like I said, every shift has 1 parttime firefighter position; to do the math, it takes 7 parttime firefighters kind of equals that 1 fulltime person. So, our parttime firefighters work at least 432 hours, that's 36 hours a month, minimum, 120 off-shift hours, training, public engagement, callbacks. Right now, we have 21 total parttime firefighters to fill all the positions on all 3 shifts is what we're seeing. One fulltime firefighter would replace 7 parttime firefighters.

What we're running into oftentimes, if there's no parttime person that's available to cover the shift, we do run into some overtime issues. We actually increased the budget in 2024 to support increased wages; we did a callback

bonus and some other incentives as well. Over the years, this is our total parttime firefighters budgeted vs. what we've actually had despite our recruiting and retaining efforts, which I will hit on here shortly. As you can see, that number has been dropping since roughly 2018.

So, when we talk about like what will this cost? What does each person cost? A fulltime firefighter's wages are about \$120K, uniforms off the bat are \$1,000, and turnout gear is \$4,000. For 7 parttime firefighter-EMTs, that's almost \$107K, uniforms are the same, and a set of turnout gear is the same. What we're seeing, though, is oftentimes we have to get a set of turnout gear for each person, so that number for turnout gear jumps drastically. Out of Service Time: Right here, on this graph, the red is times when we had 1 crew on; the yellow is times we've had 2 crews on. It's no secret, I've stood up here a few months back and said we're in a spot that we don't want to be in; we're going to work hard towards getting to where we want to be. As you can see, the November and December schedule is set, you're seeing far more where there are 2 crews on. Projecting into 2025, I think we're going to get to a point where we have a lot more hours where we have extra crew, too.

2024 Calls for Service Times and Hours: Again, through October, this is kind of where we really got hit hard here with staffing. As we're bringing folks on and another person is going to start here soon, I presume those numbers are going to start to drop again as well.

So, the big thing is like having computers, and this is not a Cottage Grove problem, specifically, it's not a local problem, it's not just a State problem, it's a national and actually an across the world problem. So, what have we done for recruitment and retention? We're working at it every single day, it's a lot of what we put our time into; so, we've increased the pay to be some of the best in the metro. For 2024, we've reduced the hour requirements that the parttime folks have to work. We have very flexible training; actually, our training program in 2024 was developed around what our parttime firefighter-EMTs requested. Callback percentages and bonuses: There's a scale for if they hit a certain amount of callbacks, they get a bonus for that. We removed residency requirements, and then experience pay also is something we added. And then we're out, too, with Century College, Inver Hills, the 916 program; I've been in communication with a lot of them, and Chief Pritchard has been in communication with a lot of them as well. It's like we update our agreements, ride along, contracts, things of that sort. We've advertised a ton on social media, post on all the sites. We were out at Night to Unite, handing out flyers, trying to get people interested in this field. Every public event we do is a networking opportunity for us; it's inevitable that somebody's asking what does it take to be an EMT? What does it take to be a firefighter? Tell me more about this situation. So, a lot that we do, CPR and AED classes, Citizen's Academy, we're staffing Strawberry Fest and Fourth of July, and the Food Truck Festival; we're getting a lot of questions and interest in that. I think, honestly, too, one of the hardest things where we can't necessarily gather the data, it's just the person-to-person networking that we're doing. I could tell you because I'm the one that sets it up, I've had more ride-along requests in the last 6-to-9 months than I've ever seen in our organization, ever. It's a lot of people that hey, yeah, Cottage Grove has a parttime system, they're interested in it, we encourage them to come in and do a ride along, and we're seeing a lot of applicants on the back end of that. And then you have the applications that we have and the people that we have actually started where we're running into some people drop out from the system or the process; they may fail their psych, they may fail their background. What we do see a lot is they look at, even with the reduced and very flexible requirements, hey, it's not for me, I can't afford to be away for that amount of time. And that's what we're seeing, not just with the Fire Department, but a lot of things in the workforce. Our metro parttime firefighter-EMT hourly wages we are right with Woodbury, who is at the top. So, that was a big win with the parttime folks here. He asked if there were any questions on that.

Council Member Olsen said with the recruitment efforts, being a retail guy, recruiting is just sort of in my work because it has to be. When my customers walk in my store, they don't care if somebody has a headache, they don't care if someone's dog died, they don't care, they just don't. All they want is I'm here, give me what I want, give me a good experience, and away I go. The way that I've sort of grown up with regard to recruiting is it's just like selling cars or anything else, it's a numbers game; the more people you talk to, the more nos you're going to get, the more yeses you're going to get. So, it's encouraging to see the applicant flow is increasing a little bit, I mean that should be an indicator that some of what we're doing is working, but I've got to tell you the networking element of that, in my view, is the most critical piece. You'll stand at Century College or anywhere else all day and talk to kids and do whatever and you should; but those opportunities to interact one on one, like you said, at

Strawberry Fest, at Night to Unite, at all of those things and then you get those ride alongs, that's where the gold is. So, I would encourage us to really continue mining for that gold and look for even more opportunities. There's so darn many events that go on in this town that you guys know, all year long, and any missed event is a missed opportunity where you might've found somebody that you like. So, as you work with the team on sort of what can we do in 2025, I would just encourage you all to really continue the emphasis on that, and we've got to be there; we've got to have some representation, we've got to be in our shirts, we've got to have our whatever, right? Handing out the hats and the stickers and whatever you can do to keep moving forward with that I think will help.

Deputy Chief Arrigoni said and this year I'm incredibly proud of our team because it was a rough year for us staffing wise. We were able to staff and still have people attend a lot of these other things. Because I agree with you 100%, the networking is where you make your money. One other thing I should state, too, is I'm making phone calls every week, and what I'm doing, more times than not if folks are close, instead of having a conversation over the phone, I just invite them in; come sit with me, I will run you through any questions you have, it's far more personal than over the phone. That's been incredibly successful as well, we're seeing a lot of applicants from that realm as well. We're seeing, like you said, the applicant numbers should go up, and we should be hiring more.

Council Member Olsen said right. So, as your evidence and things perhaps, well, if you're not already doing this, is I know you're handing out information to people; maybe you want to put together like a mini application or an interest form that somebody can fill out for you on the spot, and then you can be like, hey, man, somebody will call you in a couple days to set something up. Not only do you know that you've given your information to them, but you've captured their information as well. Again, just retail, when you get that mini app, that's an opportunity for a limited interview; okay, look, Johnny might be interested, let's talk for a minute, and then when can I get you in for a formal conversation?

Administrator Levitt asked Mayor Bailey, just to confirm, are we agreeable then in our final budget document to convert those 7 parttime to 1 fulltime, their equivalent? And then you saw on the slide how we haven't been able to meet our budgeted quota of parttime anyway. So, that's the one affirmation we need.

Mayor Bailey replied I would say yes.

Council Member Khambata asked is that for the needed overtime, right? So, we would have to retain the parttime that we do have until we convert this?

Administrator Levitt replied we can and there's still parttime available positions.

Council Member Thiede said and the understanding is that like it's not increasing, and it's not a long-term increase, necessarily.

Administrator Levitt said correct, it's budget neutral.

Administrator Levitt said the last item Zac is going to talk about extremely briefly, I sent you an email this morning, and I apologize for that. He will just explain one of these positions, the succession planning with our situation.

Director Dockter said so, the good news, what I presented in the memo is it's a relatively budget-neutral position; so, we think we can recover costs and this person will help with creating an online platform for facility use and for programming and doing some things. There will be a lot of cost savings there that will be, when we go to the online platform, a lot of those costs will be transferred over to the end users. There's about \$25K in fees there. This new position is going to be responsible for adding programs and events, lessons, pickleball programs, things of that nature; we think we can recover at least \$15K in new revenue there. Just adding facility rental, I think I put it in the memo, but we've gone from like \$30K a handful of years ago to \$120K; that number just keeps growing, and as we keep adding facilities, it's going to keep growing. Things like Woodridge Park are bringing a lot of new opportunities, so all those things matter, all those things add up. So, we're looking at not creating a new position but converting an existing parttime position to a fulltime position; we have a staff person in place and that just allows us to be more productive and get a lot more things done. Every time I go to my staff when we ask for new things, they say with what time? And that's just where we're at, the needs in the community are growing, and we're struggling to keep up, so that's my ask tonight.

Mayor Bailey said I think that's a great idea, and the person that you have this slated for makes perfect sense. That was quick and easy, right?

Administrator Levitt said Council, this is it. Is there anything we missed?

Council Member Thiede said well, I wanted to just discuss one thing, it's residents' perception. We sit here and we go through all of this, we say it all looks great. But people got their tax statements, right? And, so, they kind of go over it a little bit; for instance, my taxable market value actually went down 7.5%, okay? And it's great because my property tax went down, for the last year it was 4%. And I look at each section, and Washington County went down, the School District went down, and the Special Taxing District is Metropolitan Council. But the City, my portion of the City went up 4%, okay? And it's a little bit better because my property came down a little bit better, but it's something that I know the residents are going to say, well, gees, everything else is going down, and the City is going up. And we just heard from the voters that at least there was more than half of the people were kind of bent out of shape about spending more money on parks and so forth; so, that's kind of a little bit of a message. And I guess I'm just thinking, and actually I looked back at the levy and ours, for all of Washington County we're 3rd place from the highest in terms of our percentage increase, all right? The FMP is great, but we're always above it; it seems like it's always over \$100, right? So, are we going to be able to have the opportunity to correct that next year, that \$107?

Director Malinowski replied \$101 is the average median size.

Council Member Thiede said again, it's always a little bit more, a little bit more, and then people keep getting hit with all these different expenses they have, that's always just a little bit more. And even though it's one thing that's a little bit more, all of a sudden we have 12 things, and those 12 things aren't a little bit more, they're a lot more. And what else I'm thinking is that if there was a way to actually send a message that we're looking at that, we're doing great, you guys did a fantastic job of looking at expenses. But in terms of the possibility of actually, from what we said we were going to do, reduce it a little bit, it doesn't necessarily have to be a lot; but if you're sending a message and we keep telling people well, we looked at everything, and we actually adjusted down based on everything we saw. And it may not have that big of an impact on what we can do, and all the things we are looking at are great; but all the things that we had in there were a little extra, which is great, but we're going to continue to use that money. So, you might want to send a message to say, well, hey, we're actually dropping this just a little bit. And that might be from 12.5% to 11.8% or something like that, and again, it's a perception thing, and we are paying attention to what's going on and know that there's a budget and a limit to what has been spent.

Administrator Levitt said we could take away to make it go back.

Council Member Thiede said, well, we have the experts here that take a look at that and say, I mean, obviously, we didn't, at one point, we were going to have a variety of things that were going to be potentially lower, right? Or we were leaving out, and now we're saying we're adding those back in. So, I would say please take a look at that.

Council Member Garza said if we don't add them back in now, it's going to be higher in 2026.

Council Member Thiede said, well, again, we've got a FMP that we do have to look at, how do we manage? You know, we can't just go out and.

Council Member Olsen said Dave, you're part of the City Council, right? Council Member Thiede replied I am, and I look out for the rest of 'em.

Council Member Olsen said okay, to be here. So, you voted for this budget, and you sat through every budget meeting and you had every opportunity to say, you know what? I think we need to cut that.

Council Member Thiede said and I usually do.

Council Member Olsen said you had every opportunity this year, you voted for the budget that was presented to us, you voted in favor of it. You did not say at that time, you know what? We need to shave X, and this is what we need to bring down. Here's the key is we're charged with providing the highest possible level of service that we can.

Council Member Thiede said we're charged with providing the good service, not the highest possible, not the most expensive.

Council Member Olsen replied I didn't say the most expensive, I said the highest possible level of service we can at a reasonable cost. We're still the second lowest in the County for our levy, and that's per capita, and we get no Local Government Aid (LGA), none, zero. St. Paul Park, Newport, and places like that, they get hundreds of thousands and in some cases over \$1 million a year from the State than we get in LGA. And yet we still outperform the vast majority of those communities. When you look at the metro, we're the third lowest for communities of our size. Shakopee, which is the lowest, gets multimillions of dollars a year, and funding from the State for the

fiscal disparities we're an apples and oranges comparison, which is the way that it is. Look, we go through the budget year after year after year after year, line by line, and squeeze the dime in all the various places we can. If you want to drop the budget, then you've got to come forth at budget time and say, this is what I want to cut. And let the conversation happen, but the horse is out of the barn now.

Council Member Thiede said we're having that conversation now. We had the election that came through that clearly knocked down additional spending.

Council Member Olsen said the City of Cottage Grove has not passed a referendum, whether it's school referendum or any kind of City referendum in 20 years. So, that's not meaningless, 20 years the City of Cottage Grove has not voted in favor of even a school referendum; so, those referendums passed because of the City of Woodbury for the school, and when I was a kid, they passed all the time, but they don't anymore. So, what does that tell me? That tells me that we need to continue to be as fiscally responsible as we currently have been and continue to be, but we also have to find ways to fund the things that our residents need and expect from their City government. Public Safety costs a lot of money, Public Works costs a lot of money, equipment costs a lot of money, and Bonnie, I don't need to hear it, okay? Keep it to yourself. If you want to run for the City Council, put your name on the ballot. Enough.

Bonnie replied no, I am a resident, and I just want to be able to speak. Council Member Olsen said and now is not your chance. Bonnie said this is a workshop. Council Member Olsen said not in this workshop. Bonnie said I understand it all, and you're.

Council Member Olsen said ma'am, move to adjourn.

Bonnie said I have read all of your minutes.

Council Member Olsen said I'm done.

Mayor Bailey said we have a motion to adjourn, do I have a second?

Council Member Khambata asked can I interject one comment?

Council Member Olsen said we need a second before we have further discussion. Council Member Garza said I'll second.

Mayor Bailey said okay, further discussion.

Council Member Khambata said Dave, I agree with you. In 2020, we had a budget that decreased and we got caught in an inversion where we decreased our levy while experiencing rapid inflation. And we're paying, we're still paying for that.

Council Member Thiede said in the pandemic, we did very good there.

Council Member Olsen said because we got Federal money.

Mayor Bailey said I remember that, every other city raised their levy significantly.

Council Member Khambata said okay, so we got caught in an inversion in 2020 that we're still making up for, and so, while I agree that we do need to spend every dollar wisely, we are chipping away at \$5,000 line items on our \$26M annual budget.

Bonnie said yes.

Council Member Khambata said I think, Bonnie, please be silent; I think we are doing our due diligence with the taxpayer dollar if we are talking about fractions of a percent on the budget, and we are taking these things I believe very seriously. And you're not wrong, but I think the risk of again like alleviating a half percent budget here means a 1% make up next year. And, so, while we have to be vigilant with every dollar, the reality is those things cost what they cost, and every director that I've ever met with on budget, I ask them, tell me what you need and tell me what you can do without, okay? Zac is willing to wait who knows how many more years for a vehicle, right? And that gets deferred every year until one year its not going to be able to be deferred anymore, and that's going to come out of the General Fund, and it's going to affect our Fund Balance. Because it's going to become a need, not a want at some point. So, that's my major concern with your approach, and I don't like a 12.98% approach, but I think at this point, the difference between a 12.98% and a 12.74% on somebody's annual budget; and, again, the message is good, but I think the better message to send would be we are dissecting \$5K line items on a \$26M budget, nothing is going to waste. Everything has been justified and accounted for; the things that can be left on the table we've identified, and in this scenario, labor negotiations went as expected, so we could pull back on our

contingency and so on and so forth. We are doing our level best; I don't think we'll ever be the lowest because of LGA, we'll never get the LGA. So, we're doing the best we can while still meeting all of our obligations for promoting the health, safety, and welfare of our community. And I know, and I don't speak for everyone, but as a homeowner, who pays taxes on four houses in the City, I don't like raising the taxes, but I also know from standing here and being in these meetings, that every one of those dollars has been met. And, so, I agree with you, it gives me heartburn, but we're not asking for; well, this is spreading out, I mean, wood chipping trees, a \$30K line item, we're going to spread it out over 4 years because it makes more sense, okay? I will take our budget and I will defend it to any taxpayer, including Bonnie, that we have done our level best, and this is without sacrificing something in terms of level of service, as that we're not willing to do, right? Because the taxpayers do like the high level of service, we're getting feedback on that. They want nice parks, they just don't want to pay for parks; that's something that I don't think we're ever going to be able to reconcile, but I'm okay with it. But I will defend our budget to anybody in the City because nobody on their home budget is taking a \$50K or \$100K year budget and dissecting 25 some items, and that's essentially what we're doing.

Council Member Thiede said but it's just more about the message that we're sending and who it will affect, and what it's doing with the increases.

Council Member Khambata said okay.

Mayor Bailey said I'll just say one thing and then I will call for the vote. The only say I'll say is we have consistently over the years been second lowest, no matter what we did, and so the taxpayers in Cottage Grove feel their City is worth the taxes; they get what they get cheaper than any other city in the County, with the exception of St. Paul Park.

Council Member Garza said and they get amazing service; that was echoed by Council Member Olsen.

Mayor Bailey said and they get amazing service, but I'm just saying the dollars are what I look at; I actually share that when we talk about, when we talk with our County Commissioner and they talk about the Tax Rate or Tax Capacity. It's like, okay, it's dollars and cents for our citizens, they want to know what is mine, what is it going to? And we saw a graph, and there could be some maybe different ways we could communicate with the citizens and all that. But what I would tell you is if we cut the budget, and I'm just making this number up, by \$10M, someone is going to come along and say it should be \$11M. And you'd probably be the one, and I'm not trying to be facetious, but by point to you.

Council Member Thiede said I would say that's unreasonable. I'm just saying in terms of the message out there, because of some of the things we've heard. And obviously, you guys, well, Tony didn't, unfortunately, but Justin, Monique, and Myron, I guess you all got reelected, and I never saw any numbers on write-in votes; I had my neighbor tell me that they wrote in a couple, but it'd be interesting just to see how many write-ins there were.

Council Member Garza said I had 482 write-ins, and the mayor had 900 and some. Mayor Bailey said I think I had 988, I think. Council Member Thiede asked write-ins for somebody else? Council Member Garza replied, yes, for me. Council Member Thiede said no, I'm talking about write-ins for somebody else because they didn't want to vote for you.

Mayor Bailey said well, that's what she's saying.

Council Member Garza said so I was on my special election; so, for just my special election, I had 442 or 482 people write-in against me. The mayor, for his special election, he had about 900 something. Mayor Bailey said 980.

Council Member Garza said but he had like 18,000 votes, I had 15,000 votes, so, I mean, that's such a small portion of people that wrote in.

Council Member Thiede well, again, I think that's why who won, and we usually see that, but I don't know who looks at that.

Mayor Bailey said it's a lot more Mickey Mouse, and now it's more Donald Duck.

Council Member Khambata said I wish that we could have a 0 levy increase, but in order to do that, things would have to be cut out.

Council Member Thiede said and that's not reasonable, but I mean, we haven't seen significant growth in homes and things like that, it's slowed down some, based on the numbers.

Council Member Olsen said it slowed down, but if you look at our permit revenues, it's still pretty consistent, so, I mean.

Council Member Thiede said so, we're still getting a pretty good amount of money there; it's just looking at some of those things and saying well, why should I; you know, there's been inflation, right? But that's actually tapered back; unfortunately, there's certain things that you can't taper back with inflation.

Council Member Khambata said, well, I'm not an economist, but if you remember in post 2008, the Fed had 10 years where they couldn't get inflation to crack 2%. So, it was easy to have a flatter budget levy increase when the economy was stagnant and maybe was dumping money into the economy, to try to get it going. Then again, the City had a small levy reduction in 2020, and we ended up paying for those few percentage points the following year with the rapid rate of inflation; whereas, had we not had a revenue decrease and diverted some of that revenue, that would have softened the subsequent year's levy increase.

Council Member Olsen said not to mention your most expensive thing every year is people; Council Member Thiede said it's people, exactly. Council Member Olsen said 67.5%. Council Member Thiede said and I'd like to say all people, a lot of them, can find you.

Council Member Khambata said automation, you just let AI do it all.

14. WORKSHOPS - CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Motion by Council Member Olsen, second by Council Member Garza, to adjourn the meeting at 10:06 p.m.

Motion carried: 5-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk.



City Council Action Request

7.B.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	City Council Regular Meeting Minutes (2024-12-4)		
Staff Recommendation	Approve the December 4, 2024, Regular Meeting Minutes.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>2024-12-04 City Council Meeting</td></tr></table>	1.	2024-12-04 City Council Meeting
1.	2024-12-04 City Council Meeting		



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM:

DATE: January 22, 2025

RE: City Council Regular Meeting Minutes (2024-12-4)

Discussion

Recommendation

Approve the December 4, 2024, Regular Meeting Minutes.

Attachments

1.	2024-12-04 City Council Meeting
----	---------------------------------

COTTAGE GROVE CITY COUNCIL

12800 RAVINE PARKWAY SOUTH

COTTAGE GROVE, MN 55016

COUNCIL CHAMBERS - 7:00 P.M

December 4, 2024

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on December 4, 2024, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey-Here; Council Member Garza-Here; Council Member Khambata-Here; Council Member Olsen-Here; Council Member Thiede-Here.

Also present: Jennifer Levitt, City Administrator; Tammy Anderson, City Clerk; Ryan Burfeind, Public Works Director; Zac Dockter, Parks and Recreation Director; Pete Koerner, Public Safety Director; Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Gretchen Larson, Economic Development Director; Brenda Malinowski, Finance Director; Emily Schmitz, Community Development Director, Brad Petersen, Public Safety Captain.

4. OPEN FORUM

Mayor Bailey opened the Open Forum. As no one wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Motion by Council Member Thiede to approve the agenda; second by Council Member Khambata.
Motion carried: 5-0.

6. PRESENTATIONS

A. Public Safety Board Presentation

Staff Recommendation: Recognize Panamint Capital for their support of the K-9 Program.

Mayor Bailey asked Julie Rice, President of the Public Safety Board, to speak on this, and invited the Council Members to step in front of the dais for this presentation.

Julie stated these three lovely ladies and myself are part of the Public Safety Board. A lot of people see our name, but they don't know what we do. Actually, we're a nonprofit citizens' board that works with the Department of Public Safety and the police liaison, Officer Ryan Pierre, and the Fire Chief to help promote the partnership

between the citizens of Cottage Grove and the Department of Public Safety to provide a safe community for our citizens. Our mission is to provide financial support for equipment, training, and programs to enhance the safety and provide crime prevention and safety information to the citizens of Cottage Grove.

In order for us to do that, we fundraise and accept donations from businesses in our area. When we fundraise, we have a member of our Board that designs special police patches for breast cancer awareness, autism awareness, the vets' memorials; there are all sorts of different patches that we sell. We also sell challenge coins, stuffed animals, and the Sparky Dog, a K-9 dog that represents all of our K-9 Officers.

So, in order for us to get extra money, businesses support us. We've had several in the past few years that have donated generously. Our purchases have included: The speed trailer that you might have seen on 80th Street or 70th Street, telling you to slow down, and other speed signs, thermal imaging and protective masks and hoods for the firefighters, pet chip readers, and other items.

Over the past ten years, we have received donations from Kent Ripplinger and his company, LSP, which is located by 3M; I would guess 99% of Cottage Grove residents don't even know where it is, but they're their own entity out there. So, they've been donating and we've been purchasing K-9 dogs for the City of Cottage Grove: It started with Blitz, then we got Gunnar, then Scout, and most recently we got Odin. So, all of our dogs have come from the help of generous donations from LSP.

This year, Odin did not have a ballistic vest. He was not able to go online and purchase one because he does not receive a paycheck from the City; so, he's only given a toy and accolades from everybody. With the help of LSP, we purchased the ballistic vest for Odin so that he's safe during his night shift because there are a lot of bad guys out there that want to hurt him, along with some of our officers. But now he's protected and we're happy about that.

Julie said I would like to introduce Kent and thank him publicly for the over ten years of donations from their business. So, thank you, Kent, and everyone applauded.

Kent said thank you; like Julie said, a lot of people don't know we're here, but we're an independent power producer, and we supply power to Xcel Energy and we also supply steam to 3M. I guess I'd like to say thank you for everything you guys do, the K-9 unit, the Police Department, the Chief, and I'm glad that I work for a company that supports the mission. Thank you. Everyone applauded.

Julie said next, I'd like to introduce Officer Matt Sorgaard and K-9 Officer Odin. Just a few months ago, they competed in a national competition for K-9s, so I'm going to have Matt speak about that, to tell everyone how they did and what they won.

Officer Sorgaard said we attended a national competition, a Patrol Dog I, it is our annual certification down in Baton Rouge, Louisiana, over about six days of training. We had competed against 67 dogs from across the country in things like obedience, apprehension work, article location, suspect finding, and we ended up taking second place overall, out of the 67 dogs; we lost to our trainer from Washington County, he's the guy who trained both of us. We took first place in our obedience and apprehension, overall combined scores for that. So, it was a good run for us, we enjoyed it, and we're looking forward to going back next year to southern Florida to compete again.

Someone asked are you going to get first place next year?

Officer Sorgaard replied we'll see. I lost the other by 4/10 of a point and if you know the scoring, that's a lot; I lost 2 points for a heeling thing, and that was my fault, not Odin's. So, we'll see next year.

Officer Sorgaard said as far as the ballistic vest, obviously we thank you; for those who aren't aware, Odin is assigned to the S.W.A.T. team with me. So, that's why his vest is green, as he does go on other deployments throughout the whole County, so not just in Cottage Grove. Everyone applauded.

Julie said we just want to thank the citizens of the community that purchase our stuffed dogs, our challenge coins, our patches; they're all available for purchase at City Hall during business hours. At some events, we are selling them to help keep the funds going so that we can continue to purchase items of need for the City of Cottage Grove. She noted that tomorrow night there will be a couple people from the Public Safety Board that will be inside City Hall, and they'll be selling the patches, the challenge coins, and Sparky, the little stuffed dogs. You can see a couple of them in the window across the way on your way out. Odin and Scout are the only dogs that we

have left because Blitz has been retired and Gunnar retired last year, so all those dogs have sold out. So, now we just have Odin and Scout dogs. So, thank you so much; everyone applauded.

Mayor Bailey thanked Kent and shook his hand. Obviously, you guys have done a great deal not only for the Public Safety Board but also the City of Cottage Grove through economic development and things like that, too. So, we're really happy with the support that you have continued to provide for us over the years. Obviously, we're excited, and maybe next year it'll be first place for Odin. I will say this, after seeing him chew on that toy, I don't think I want to be on the receiving end from him. Again, thank you, and thanks to the Public Safety Board for all that you do with the fundraising.

If the public is interested in donating financially to the Public Safety Board, reach out to me, one of the Council Members, or look them up on their Facebook page to see what you can do to help fund these types of things. You can also join the Public Safety Board. Mayor Bailey thanked all of them for being here tonight, and everyone applauded.

B. Eagle Scout Award - Cameron Rekstad

Staff Recommendation: Recognize Cameron Rekstad's accomplishment of Eagle Scout and award him with a plaque.

Mayor Bailey said one of the things we do in the City of Cottage Grove are presentations for both Boy Scouts Eagle Awards and Girl Scouts Gold Awards. Tonight, we have Cameron Rekstad here, and he's joining us this evening because we're celebrating the fact that he is another Eagle Scout Award winner from the City of Cottage Grove's Troop 286.

Just for the public to be aware, one of the reasons that we put so much focus on this is due to their giving to the community, obviously getting to the Eagle Scout or Gold Award level, you see a lot of public service people and electeds and so on that have had that opportunity. I've been lucky enough, as has one of my Council colleagues, Dave, that we have Eagle Scout and Gold Award winners in our families. What's really neat about that is we also have on a wall in the hallway here at City Hall where we list every single Girl Scout Gold Award winner and every Boy Scout Eagle Scout Award winner from Cottage Grove. It goes all the way back as far as we can see, and you can check it out there. So, my son's name is up there, also two sons and a daughter's name for Dave.

Mayor Bailey told Cameron in this particular case, we want to thank you for the great work in getting to this level. We want to present to you today a plaque, which Mayor Bailey read aloud. So, on behalf of myself, the Council, all of our staff, and the citizens of Cottage Grove, congratulations. Everyone applauded.

Mayor Bailey said what we always like to do to end the presentation is we love to hear about the project that you did. For those that don't know, there's usually a big project that they do before they actually obtain the Eagle Scout Award. So, I'm going to hand it over to Cameron and let him tell us what his Eagle Scout project was.

Cameron said thank you. So, back in May, I had like 25 helpers come out to the Cottage Grove Cemetery, and all we did was edged around the perimeter of the gravestones and then we brushed off the top to make it look nice and clean. There were a couple hundred of them that we did, and then on some of them, you couldn't even like see or tell that it was a gravestone, so it was a pretty cool transformation.

Mayor Bailey said thank you for doing that, and everyone applauded Cameron. Photographs were then taken of Cameron with his father, Mayor Bailey, and the City Council Members. Mayor Bailey said thank you again to Cameron, good job.

7. CONSENT AGENDA

- A. Approve the November 6, 2024, City Council Regular Meeting Minutes.
- B. Approve the October 21, 2024, Public Services Commission Meeting Minutes.
- C. Accept and place on file the minutes from the October 28, 2024, Planning Commission Meeting.
- D. Receive the response letter to Open Forum question (11-20-2024).

- E. Authorize issuance of a single-occasion gambling permit to St. Rita's Church to conduct bingo at 8694 80th Street South, Cottage Grove, on February 21-22, 2025.
- F. Authorize issuance of a temporary intoxicating liquor license to St. Rita's Church for their Cabin Fever Bingo Event held on February 21 & 22, 2025, at 8694 80th Street South, Cottage Grove.
- G. Authorize issuance of a temporary intoxicating liquor license to Kaitlyn Tobritzhofer, on behalf of the Cottage Grove Lions Club, for the Dust 'Em Off Vintage Snowmobile Show to be held at the corner of 70th Street South and Keats Avenue South on January 4, 2025.
- H. Adopt Resolution 2024-164 certifying delinquent utility bills to the property tax rolls payable in 2025.
- I. Approve the 2025-2029 Capital Improvement Plan and Adopt Resolution 2024-178, a Resolution Approving a Comprehensive Plan Amendment to the City's Comprehensive Plan 2040 to Incorporate the Capital Improvement Plan.
- J. Approve the issuance of rental licenses to the properties listed in the attached table.
- K. Adopt Resolution 2024-172 authorizing renewal of business licenses for 2025.
- L. Adopt Ordinance 1091, authorizing the implementation of fee changes, increases, and additions for the year 2025, effective January 1, 2025.
- M. Approve Resolution 2024-167 adopting the 2025 Parttime Firefighters Pay Plan.
- N. Adopt Resolution 2024-168 approving the 2025 Parttime Pay Plan.
- O. Approve Resolution 2024-166 adopting the 2025 Pay Plan and Benefits for employees not covered by a labor contract for the City of Cottage Grove.
- P. Adopt Resolution 2024-165 approving the updated Personnel Policy.
- Q. Approve the adoption of Ordinance 1088 for the Zoning Ordinance amendments regarding Cannabis and Lower-Potency Hemp Edibles, Ordinance 1089 for the Registration Ordinance Amendments regarding Cannabis and Lower-Potency Hemp Edibles, and Ordinance 1090 Enacting an Odor Ordinance.
- R. Adopt Resolution 2024-169 receiving and approving the City of Cottage Grove All-Hazard Plan.
- S. Authorize the Fire Department to apply for a FY24 FEMA AFG for \$367,656.80, which requires a match for 10% of the total cost of \$36,765.68.
- T. Approve the Letter of Understanding for Impound Housing Services 2025 between Animal Humane Society and the City of Cottage Grove.
- U. Approve the lease agreement with the Minnesota National Guard to use the Cottage Grove Armory parking lot for Holiday Train attendees.
- V. Approve the First Amendment to the service agreement through December 31, 2028 with Valdes Lawn Care & Snow Removal to provide outdoor maintenance services to City Hall, HERO Center, Central Fire Station, and Fire Station #4.
- W. Accept the one-year service agreement with Cintas to provide rented floormats and uniforms for the facilities owned by the City of Cottage Grove.
- X. Approve executing the Memorandum of Understanding with compensation for the easement in the amount of \$3,100, and the Permanent Utility Easement agreement with Jason and Jessica Sadek, to accommodate the watermain to be installed at 8532 Indian Boulevard South, as part of the High Zone Row Watermain Project.
- Y. Authorize service agreement with Webber Recreational Design, Inc. for the purchase and installation of playground equipment at Denzer Park for \$83,845.85.
- Z. Adopt Resolution 2024-175 awarding the Denzer Park Grading Project to the quote supplied by Miller Excavating, Inc. in the amount of \$24,245.00 and the appropriate officials are hereby authorized to sign all necessary documents to effectuate these actions.
- AA. Authorize staff to apply for the Minnesota Department of Natural Resources' No Child Left Inside Grant to purchase archery program supplies in the amount of \$4,940.00.
- BB. Staff recommends the approval of MemberSports 5-year software agreement as reviewed by the City Attorney and City staff based on the payment terms as outlined in the attached memo.
- CC. Adopt Ordinance No. 1085 amending City Code Title 3-15-3 and 3-15-9 to add language exempting short-term rental properties from requiring a crime-free lease addendum for tenants and the

unrelated persons maximum.

- DD. Adopt Resolution 2024-174 approving the Feasibility Report, establishing a December 18, 2024 Public Hearing date, and authorizing the preparation of Plans and Specifications for the 2025 Pavement Management Project.
- EE. Adopt Resolution 2024-173 approving the street name change for the segment of 100th Street South depicted on the Street Name Change Exhibit to Hamlet Avenue South in the Preserve at Prairie Dunes and Pine Glen 7th Addition.
- FF. Approve of the Joint Powers Agreement between the City of Cottage Grove and the City of Newport for Joint Responsibilities of Century/Geneva Avenue South.
- GG. 1) Adopt Ordinance No. 1086 approving the Zoning Amendment to rezone 38.85 acres of land from AG-2, Agricultural, to I-1, General Industrial District, and amend an existing PUD to include an additional 38.85 acres of land owned by NP BOGO Cottage Grove Logistics Park, LLC. 2) Adopt Resolution 2024-176 rescinding Resolution 2021-166 and approving an amendment to the Cottage Grove Logistics Park Master Site Plan to include and additional 38.85 acres of land owned by NP BOGO Cottage Grove Logistics Park, LLC, and approving a Conditional Use Permit (CUP) for a Data Center use over the Cottage Grove Logistics Park Master Site Plan under NP BOGO Cottage Grove Logistics Park, LLC ownership.
- HH. Approve the February 26, 2024 Cottage Grove Convention and Visitors Bureau Meeting Minutes.
- II. Approve the June 4, 2024 Cottage Grove Convention and Visitors Bureau Regular Meeting Minutes.
- JJ. Approve the Cottage Grove Convention and Visitors Bureau 2025 Budget.
- KK. Approve the Memorandum of Understanding between Rasmussen University and the City of Cottage Grove, providing a 20% tuition reduction (corporate grant) for City employees.
- LL. Approve the Vessel Rental agreement with Desotec for GAC treatment vessels at Wells 3, 8, and 10 Temporary Treatment Plants.

None of the Council Members wished to pull any Items on the Consent Agenda for further comment and/or discussion.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Garza.

Motion carried: 5-0.

8. APPROVE DISBURSEMENTS

- A. Approve disbursements for the period of 11-15-2024 through 11-28-2024 in the amount of \$2,716,222.73.

Motion by Council Member Olsen to approve disbursements; second by Council Member Thiede.

Motion carried: 5-0.

9. PUBLIC HEARINGS

- A. Property Tax Levy Payable in 2025 and Adoption of the 2025 Budget
Staff Recommendation: 1) Adopt Resolution 2024-170, a Resolution adopting the 2024 Property Tax Levy Collectible in 2025. 2) Adopt Resolution 2024-171, a Resolution adopting the 2025 Budget. 3) Adopt Resolution 2024-179, a Resolution adopting the Housing and Redevelopment Authority Property Tax Levy.

Mayor Bailey said our Finance Director, Brenda Malinowski, will walk us through this tonight.

Director Malinowski said I have a brief presentation tonight regarding the property tax levy and budget before you hold the Public Hearing and adopt the resolutions that relate to that.

First of all, this is for the public to let everyone know that we've been working on this budget that's in front of you since January. City Council, this year you actually had five budget workshops regarding the budget, so thank you for your time. As you went through each piece of the budget, it's never an easy process as all these needs of the community come forward, so thank you for that. Our City staff, especially our Department Heads, our City Administrator, all parties spent countless hours as we looked through all those needs in the community and prioritized the needs and what we can fund within the constraints that we have.

Budget Accomplishments with the 2025 Budget

- Continue to provide the same exceptional level of services that we have to our community, not limited to those police and fire services, but also our parks and recreation services, snowplowing, street services, those sorts of operational-type needs in our community.
- Continue to demonstrate stewardship of our capital assets by including the replacement of not only our capital but also our City infrastructure that we've identified in our Capital Improvement Plan (CIP) and in our Financial Management Plan (FMP).
- Maintained the distinction of being an employer of choice; we had contracts that settled for 2025 and 2026, and those financial obligations are included in the budget in front of you.
- Providing managed growth in staffing positions needed for a growing community by including a few new positions in our budget.
- Meeting the debt service requirements for all existing debt by funding these requirements with the property tax levy. We're making the principal and interest payments that we've issued in the past, whether they're for Pavement Management projects or to build things, such as our Central Fire Station.
- Establishing an HRA Levy for the first time in this budget; that will provide funds not only for housing, but also for redevelopment in our community.

Property Tax Levy History: Is shown here on the screen. It's important to note that this is a component of our City Tax Rate that we apply to an individual property. So, we take this City Property Tax Levy and we divide it by the Tax Capacity; so, here's a history of that since 2014. For 2025, we're at \$26.1 million. Tax Capacity History: This is for 2025, and as you can see on the screen, that's the second component that we use in calculating our City Property Tax Rate, it's really net neutral for 2025. However, I would like to point out that were we not growing and had new construction in the community, that would have went down for 2025; so, the City of Cottage Grove is fortunate that we're a growing community or that Tax Capacity actually would have went down for 2025. City Tax Rate: So, when we take that Property Tax Levy, divide it by the Tax Capacity, we come up with the City Tax Rate. For 2025, that's 37.177%. As you can see, it's consistent with what we had back in 2021 and 2022; in 2023 and 2024, we had some large appreciation in existing property, homeowners had sometimes 20% increases in their market value evaluation on their property, which drove that down. So, now we're back to where we were in 2021 and 2022.

Property Tax Levy Details: That \$26.1 million Property Tax Levy is a 12.98% increase. The majority of that increase is in our General Fund, that's our Chief Operating Budget in the City. That funds our Police and Fire services, our Parks and Recreation, and the Streets and Snowplowing services. General Fund: We've got a budget of \$28.4 million. As you can see since the General Fund does those operational-type services for our community, whether it's the Police, Fire, Snowplowing services, when we provide those services to our community, we're not sending them a bill when we go to a Fire call or a Police call. So, we need to generate revenue to fund those operations, and we fund that through property taxes. So, the General Fund is funded by about 76% in property taxes.

Since we are a growing community, licenses and permits are a large portion of our budget, 8.33%, and they help run our Building Inspection Department and the other departments that are involved with those new home building projects.

On the expenditure side, we're at \$28,446,310 for 2025. As you can see, it is the same amount as the revenues, so we have what is considered a balanced budget.

Since we provide those services that I talked about, whether it be Police, Fire, or Snowplowing through personnel, we say we're in the people business; so, 70% of the General Fund are those personnel services, and then we have contractual commodities and our budget contingency.

If we look at the General Fund expenditures for the last five years, you can see that Public Safety, our Police and Fire, is the largest component of our budget, just over 48%. Public Works, which is our Streets, Forestry, and Snowplowing, is about 19% of our budget. Our General Government is about 12.76%, then we have Parks and Recreation, just under 12%, and then Community Development comes in at 8%, and that's been consistent over the last five years.

Property Tax Statement on a Median Home

Our median home in Cottage Grove decreased in value by about 4.2% from 2024. So, for the 2025 budget, it has a value of about \$354,000. Our residents, our community, our property taxpayers received proposed property tax bills in the mail in November; with the budget meeting tonight, that's if they had questions about the City of Cottage Grove budget. On that median home, they received a property tax proposal of about \$4,344. It's important to note that the City of Cottage Grove is just one component on that property tax bill at 29% of that bill; in addition, there's the Washington County portion that is about 18% of that bill and then the School District is about 49% of the bill.

Based on the budget that's in front of you and the property tax levy, these are the impacts, not only to the median home but also four other sample properties that we look at here in the community. We did a ten-year FMP back in 2023; in that plan, we threw all the current operating costs and projected, we looked at our current debt, our future debt, based on Pavement Management projects and Street projects that would be done in the future. We looked at replacing that capital, and we need about a \$100 increase on that median home per year; that was the consensus that came out of that FMP report. So, based on the property tax levy and budget that's in front of you, on that median home we are within that target at \$58. Because we like to look at not only that median home but what other homes in the community look like, there are four other properties that we track. Because their market value may increase or decrease at different levels, and that's evidenced on here, if we look at the median home, that went down 4.2%, but Property 1, which had about the same valuation last year, only went down 2.29%, so it had a property tax impact of \$88. So, it depends on that market valuation change that's set by the Washington County Assessor's Office on what that impact is from year to year.

How Do We Compare?

We also compare to other cities in Washington County to see how we are doing against those other cities. So, here on this screen is a chart, and it shows the median home values in the other cities in Washington County with their tax rates, and it compares each community. No different than last year, we're second lowest, so we are able to provide excellent value to our citizens at that \$1,261, and there's only one other community in Washington County that is able to beat that number.

We also compare to median homes in growing cities over 40,000 in the metro. So, we also compare favorably on this metric, we are the third from the bottom; there are only two other cities when we look at the median home in those communities that can provide city property taxes at a lower amount.

Lastly, with our 2025 Tax Rates, we compare favorably there, too; we're not at the bottom, but there are only four other communities that are lower than the City of Cottage Grove on that City Property Tax Rate.

What Do My City Taxes Pay For?

Finally, on that median home that went down about 4.2%, if instead of paying property taxes on a yearly basis, if they sent the City of Cottage Grove a check each month, they would send us about \$105. We would take that check, as that's no different than a cable bill or a cell phone bill or a utility bill, but we would spend it as follows:

Public Safety Department (Police and Fire Services).....	\$ 45.20
Public Works (Snowplowing, Streets, & Forestry).....	\$ 14.78
General Government (Supports other functions: Paying employees, doing accounting for employees, or administrating those departments).....	\$ 13.69
Parks and Recreation (Maintains our parks).....	\$ 10.94
Community Development (Generates building permits).....	\$ 1.47
Debt Service (Pays for previous pavement management projects, building the Central Fire Station).....	\$ 15.54
Capital Equipment	\$ 1.29
EDA	\$.55
HRA	\$.55

Budget Contingency.....	\$ 1.07
Monthly Total	\$105.08

That is an increase from 2024 of \$58, or .16 per day, for those services.

Property Tax Relief Programs

Through the State, there are a number of Property Tax Relief Programs:

- 1) The regular credit refund, and that's based on income;
- 2) A Special Property Tax Refund program if your property taxes increased more than 12% and at least \$100, but it can't be because of an improvement you did on your property.
- 3) Senior Citizen or Disability Property Tax Deferral Program.

The website is <https://www.revenue.state.mn.us/property-tax-refund> or the Department of Revenue phone number, 651-296-3781. Otherwise, please just contact me, here at the City, as I'm always happy to talk to residents and citizens regarding those programs and help them navigate those programs.

Most importantly, watch for those Valuation Notices that are issued by Washington County in the spring, in April. On there, it lists Open Book Meetings. If you have a question about your valuation, if you think that it's wrong or have any questions, those are the meetings to attend to understand those valuations on your property.

With that, Council, I'm happy to answer any questions that you may have.

Mayor Bailey said thank you, Brenda, once again; it was another fine job by staff putting the budget together. My guess is maybe 30, 60 days from now you'll be starting on the 2026 budget, I know how that works. He asked Council if they had anything they would like to bring up.

Council Member Olsen said first of all, again, I echo the mayor's thank you to you and the staff. You know, we started this budget process actually in January when we had our Strategic Planning session, as we do every year. I can tell you, for those watching at home, the number was quite a bit higher at that point in time, but of course, we didn't have very much information either. As the year transpired, we've met a dozen times or so, maybe more, and every time we've kind of refined and refined and refined, based on the information.

There are a couple of pieces of information that I think were really critical this year, and I was hoping you might be able to just share a little bit about that. So, you mentioned earlier the value of property, the value of someone's home. There was a State law change as it related to property valuations that probably those with a valuation higher than I think it's \$513,000 saw on their Property Tax Statement. Could you explain that to some degree, just so that people kind of know what that was?

Brenda replied there was a change in the Homestead Market Value Exclusion, so lower-value properties received more of a change, an advantage on that program, but some of the higher-value properties did not. So, that had an impact and a shift, and we were watching that, too, especially the shift from residential to commercial; so, the residential properties saw a little bit of a savings, but those higher-value properties saw more of some of those increases.

Council Member Olsen said I think we saw that in the chart with the properties that we benchmark every year, and it is the same properties year after year after year, so it's very consistent; but I noticed that in some cases, properties that were under that roughly \$500,000 mark, they actually saw a decrease in valuation this year, and the teeter-totter went the other way for the folks that were above that \$500,000 or \$513,000 mark. Now, if they're concerned about that, if they feel like, hey, you know what, I don't know that that valuation is right, what should they do about that?

Brenda replied they should contact the County Assessor when that Valuation Notice comes out in the spring. If they think that their 2025 Proposed Property Tax isn't calculated right, they're welcome to contact me, or I can work them through that calculation and help them understand that calculation for 2024 vs. 2025.

Council Member Olsen said yes, okay, good, because certainly you try to apply it evenly, but as the valuations, whether it's a commercial business or a residential property, as those fluctuate, you're going to see a fluctuation in your overall taxes for every one of the Taxing Districts that's applied on the tax statement, so that's good.

The other thing that I want to talk about is the HRA Levy. I noticed that you had that on your chart as well, and maybe you could just tell the public at home what we chose to do this year with HRA vs. EDA.

Brenda replied yes, so in the current year, 2024, for the EDA Levy, we had \$275,000. During the financial management process, Council's consensus was to start doing a levy for HRA for housing and redevelopment in the community. Instead of leaving the EDA Levy at \$275,000, we took half of the EDA Levy; so the EDA Levy for 2025 is \$137,500, and the HRA Levy is \$137,500. So, the net effect is the same, no change from last year, we're putting it in an HRA Levy. The HRA Levy actually is more transparent to our property tax payers because it will be a separate line on the Property Tax Statement, it will say City of Cottage Grove HRA; so our property tax payers will understand the property taxes that they are going to pay the City for those housing and redevelopment activities.

Council Member Olsen said thank you for that, and I know that that is something that several of our neighboring communities have done for quite some time. I think as our community continues to grow, we have portions of the community where there's some aging infrastructure, those kinds of things; and these HRA funds can sometimes help us to maintain a little bit older infrastructure or it can help us repurchase a property that might be blighted or things of that nature. So, I'm glad that we're breaking that out so people can see it much more transparently, but the good news is its budget neutral, it doesn't change anything.

Council Member Olsen said the last thing that I wanted to ask is coming out of 2020, we all remember, probably not very fondly, the challenges of COVID and all the rest of it. There were a lot of recovery funds that were provided to communities, either by their states or by the federal government, and we're sort of at the end of that now. So, maybe you could just speak briefly about sort of when some of those funds sunset or have sunset, and then what that means going forward, because certainly we still have to maintain those things that were initially paid for.

Brenda replied yes, and I can specifically talk about our One-Time Public Safety Aid. So, at the end of 2023, the City of Cottage Grove received about \$1.7 million from the State, we were no different than other communities. What Cottage Grove is doing is we are doing a staged approach of using those funds; instead of using those funds in one year, we're using it over a three-to-four year period, so that when those funds are depleted, that we're not having large spikes in our property taxes. So, that is the importance of that long-term FMP that we do here in the City. One of the things that we didn't want to do is to have large property tax swings from one year to the other, and so we're doing that with those One-Time Public Safety Aid funds.

Council Member Olsen said I appreciate that. With battling inflation and the cost of goods and all of that, that everybody else does, taking that measured approach has been a godsend; that ten-year FMP, of course that's what gave us our AAA Bond Rating as well, and you can't get any better than that, so I guess we're doing something right. But I'm glad to see that we're taking that year-by-year, step-by-step approach rather than what I've seen some other communities do, which is they spend it all at one fell swoop; and then suddenly they're stuck with it, and they've got to pay for it the next year, and there's only one way to do that, and that's through a massive increase in property taxes. For a community like ours, that doesn't get Local Government Aid (LGA) to any large degree, as opposed to our friends in St. Paul Park who are right below us in Washington County tax per capita, we need to be very judicious and very careful, and we always are. But we can't count on those big influxes of money from the State or the Federal government to come our way every year, like some other folks do. So, I think that makes us a little better when we sharpen our pencil. That's all I've got, thanks so much.

Council Member Khambata said in your breakdown of our budget expenditures, you listed our cost of Debt Service, and I know since our bond rating was upgraded, we probably haven't had an opportunity to convert those bonds into lower interest bond sales. But do you have a rough idea of what the long-term net savings will be on having that upgraded rating? I know in projects that we've put out for bond since we've gotten that rating, did we notice a large enough or a noticeable drop in the rates that were being offered to us?

Brenda replied we did. I think we experienced that with that 2024 Bond Issue that we did at the beginning of the year. So, those interest savings on that debt issue for 2024, so we've got two bond issues now underneath us with that AAA Bond Rating, and those interest savings that we saw when we issued debt in 2024 was included in this budget in front of you, so in that \$15.54.

Council Member Khambata said additionally, I just wanted to say thank you to you for this year-long process that is our budget, but also to the directors; I know we asked a lot of our specific departments in terms of having them bring to us items that could be postponed or deferred, and again in January, there were a lot of unknowns. As the year kind of played out, we were able to assess kind of what budget line items needed to wait until next

year and what we could bring into the fold for this year on a priority basis. That's a heavy lift, and I appreciate all the work that you guys have put into this.

Brenda said and I did look tonight, and there's about \$125 more on that median home that could have been added for requests, and so we did our due diligence, City Council and City staff, on that. So, yes, another \$125 on that median home.

Mayor Bailey said it's funny, that's the first time I've heard you actually say that; I mean, we always look at those and we say no, no, we've got to wait on that. And then to hear what that dollar amount is, that's quite astonishing.

Council Member Thiede said I guess I just want to make mention that I totally understand, I tend to be a little bit of a, the one that tries to, well, let's just face it, I'm kind of cheap; my dad raised me to be pretty frugal. But there are definitely some things, and I know that a lot of people feel that burden of increases, even though we're saying well, it's not a very big increase, when you get about ten smaller increases, it all starts to add up. So, we do try to make an effort to hold the line on some of those taxes, some of the costs have gone up, we've seen some increases in labor costs and things like that. Like it or not, that's the biggest percentage of our costs and things of that nature. So, even though sometimes it doesn't seem like we're holding the line on things, I think we do have some pretty good data that says that we sit pretty well in comparison to other cities and so forth. And while I'll be the first to say that I'd love to always see my taxes stay the same or go down, it's kind of inevitable that the costs continue to go up. I do have to say that a lot of these folks in the City here kind of put up with me in terms of doing some things and cost justifications for equipment and things like that, that I know are kind of a pain to do sometimes, but I think it does give good visibility. I think that there is a lot of effort made to try to be more productive, to try to use equipment longer. Everybody knows that when somebody gives me a reason that they're replacing equipment is because it just came to the end of its life, that they need to have a little bit more information than that to convince me of the fact that that piece of equipment has to be replaced. I mean, one year they even brought me over and showed that there was a rusted hole in the bottom of one of the vehicles. But at any rate, so, even though it is a situation where we don't like to see the costs go up, I think we do a pretty good job.

Mayor Bailey thanked Brenda for her presentation.

Mayor Bailey opened the Public Hearing. As no one wished to speak, Mayor Bailey closed the Public Hearing.

Motion by Council Member Garza to Adopt Resolution 2024-170, a Resolution adopting the 2024 Property Tax Levy Collectible in 2025; second by Council Member Khambata. Motion carried: 5-0.

Motion by Council Member Khambata to Adopt Resolution 2024-171, a Resolution adopting the 2025 Budget; second by Council Member Garza. Motion carried: 5-0.

Motion by Council Member Olsen to Adopt Resolution 2024-179, a Resolution adopting the 2024 Housing and Redevelopment Authority Property Tax Levy, collectible in 2025; second by Council Member Khambata. Motion carried: 5-0.

Mayor Bailey thanked Brenda and the staff for putting this all together; you'll have a little vacation here and then you get to come back and start it all over again.

10. BID AWARDS - None.

11. REGULAR AGENDA

A. Park High School - Site Plan Review

Staff Recommendation: 1) Adopt Resolution 2024-177 approving the Site Plan Review for two additions to Park High School, located at 8040 80th Street South, totaling approximately 35,000 square feet and additional site improvements to property located at 8040 80th Street South and 7830 80th Street South. 2) Approve drainage and utility easements, right-of-way easement, encroachment agreement, and a stormwater maintenance agreement on property located at 8040 and 7830 80th Street South.

Mayor Bailey said Emily Schmitz, our Community Development Director, will take us through this tonight and welcomed Emily.

Director Schmitz said as most of you know, the School District had a successful referendum in 2023; therefore, there are several projects across the County, but there are also a couple here in Cottage Grove. For those of you who have the Ph.D. in your back pocket, I think you're thinking, oh, my goodness, finally, as we look at Park High School and a couple of improvements.

The Site Plan before you this evening is a little bit twofold, with a couple of building additions: One is the cafeteria on the rear of the building. It's my understanding that the cafeteria as it sits today is existing from when the building was built, so it's been around for a couple of years and is in need of a brand-new cafeteria. So, that addition, #19, as you can see on the screen, is a brand-new cafeteria. The second building addition is also to the CTE, or the Career Technical Education, portion of the building where they're expanding to have some additional opportunities for students to build sheds, larger projects that they'll be able to work into that area; that's #16 on your screen.

This Site Plan looks a little bit different, with Park High School and Crestview, the site is quite large. So, the minor scale of the addition, when we think about the Site Plan Review from a Zoning perspective, obviously, we usually look at parking, we look at landscaping, we look at all of those details. I really want to focus on the architectural materials as the minor impact of this addition to the site as a whole, making sure that I highlighted that the School District placed a large focus on making sure that this addition blended into the existing building as it is today. As you can see, 78% total of that is brick, glazing, and stone, which are those Class I materials that we typically require on commercial projects within the community. So, there are a couple of great renderings just so you can see that addition on the back side of the building.

My next slide is kind of that second part of the site, when we look at the site improvements, and this is kind of the flow and the access to the site. So, what I'll highlight is adding an additional access off of 80th, for most of you who know, who have that Ph.D. in your pocket or have students that attend Park High School, a lot of that activity right now is right in front of Park High School. So, the large focus of the School District was to see if we couldn't separate all of that activity into different locations within the site. Adding an access off of 80th Street is one of the first steps, that helps to separate traffic coming from both the east and the west into their own accesses into the site. That gives some additional stacking for folks who are dropping off at Crestview Elementary and gives some additional area for those folks to stack on the site, not onto 80th Street. The biggest change that you're going to see is that drop-off for kids at Park is going to be on the back side of the building, as opposed to the front. So, that goes back to that activity that you see in the front, we're proposing to split that out. So, your bus traffic will continue to be in the front, student drop-off will be in the back; student parking will remain in the student parking lot that they have today, and then you're got guest and staff parking in the front, which is also there today. But some additional parking is obviously proposed on the back side of the building. So, that also sends that traffic out onto Ideal Avenue, exiting onto 80th Street; again, separating out all that traffic activity that we see right now directly onto 80th Street, we're spreading that out across the site.

Finally, we are working with the School District to obtain easements that are needed to cover different utilities that exist on the site today to make sure that any of that public infrastructure the City has access to in the event that we would need to maintain it. In addition, some additional required right-of-way along 80th Street that we needed to encompass; if you're aware, there's an existing trail that extends along 80th Street, and we wanted to be certain that that was within our right-of-way so again we can maintain it long term.

With that, there are two separate recommendations before you. Staff is available, as well as the applicant, if there are additional questions.

Mayor Bailey thanked Emily, and asked if Council had any questions at this point.

Council Member Olsen said this might be for Ryan and it might be for the applicant, so whoever wants it can take it. When we saw this presentation, one of the things we talked about was the safe crossing areas on Hinton and on Ideal. I wondered if somebody could just spend a moment sharing with the public what will be changing in those areas to ensure that the crossing for those who walk will actually be safe; in fact, I believe it will be safer because I think we're going to take a lot of that traffic off of Ideal.

Ryan Burfeind, Public Works Director, said looking at Ideal specifically, you're right, a lot of it is probably less traffic just because hearing the School District's numbers, with the parent drop-off and pick-up, I think they average somewhere around 150. The student parking lot holds about 450 cars, so you should actually have less traffic on Ideal Avenue. We are looking at with them more of a marked crosswalk at 79th Street and then Ideal Avenue.

Council Member Olsen said that's been a sore spot for quite a while.

Director Burfeind said so, we'll be looking at that. Over at Hinton Avenue, really the designated crosswalk is at the traffic signal at 80th Street because that is a controlled intersection and that is the safest place to cross. I believe that is where the School District has their crossing guards as well. So, that's remaining the same as the designated crossing, and really, with the signal there, that is the best option. Over the years, discussions come up at 79th there, but that is not a good crossing point; as it's an undivided four lane, it's just not an ideal location to be crossing for children. So, directing them down to 80th is still the proposed plan.

Council Member Olsen said good, and then since I have you standing there, one of the other challenges that we faced was when people are coming into the Ice Arena and they're moving at a pretty good rate of speed, past the front of the arena, towards the back parking. There were some changes to that area as well, to try to mitigate some of those concerns. Do you feel comfortable speaking about those?

Director Burfeind replied I think those maybe I'd let the applicant speak to a little bit, as they're more familiar. I do know there's been some striping changes, some changes there, but maybe if they have any additional to add, I'll let them discuss that one.

Kevin Boll, a Civil Engineer working on the project with BKBM Engineers, introduced himself. Ultimately, we are going to have the additional parking on the back side of the school, which we think is going to help alleviate some of the congestion on the south side of the school. We anticipate that after-school activities or once school lets out, that'll be used for practice for football and whatever on the north fields, but then also used kind of for the Ice Arena parking and kind of eliminating some of that traffic on the south side there.

Council Member Olsen said the concern that most people have and have had for quite some time is let's say you have a big game, and I'll use Park, who's going to play East Ridge this week, on Friday night. East Ridge's home ice is at the Ice Arena and Park's home ice is at the Ice Arena. So, when they play each other, they play at the arena; it's just a question of which sheet of ice. When the buses come to drop off the teams, they park right in front of that arena. Then, when you have parents, who are driving to drop off their players or people who want to come to the game, they drop off at the front and then go park someplace. Right in front of the arena, that traffic going either way is problematic, and sometimes people move at a pretty rapid rate of speed. I've seen our law enforcement officers on several occasions actually ticket people for their behavior behind the wheel in that area. So, do you anticipate some of these changes are going to mitigate that? Is it going to slow some of that down, or is there anything else that you're aware of that may be going on?

Kevin replied I guess not specifically to that drive itself; you're talking about the drive directly between the Ice Arena and the high school?

Council Member Olsen replied yes.

Kevin said there may be some level of less congestion for people who are trying to go north through that parking area, they can now enter through the Crestview side of that. Similarly, there's the access off of Ideal, so you can kind of loop around to the north, if that makes sense, instead of cutting straight through the center. So,

there's probably some congestion relief because of that, but ultimately, there's no anticipated speed bumps or anything added in that area.

Council Member Olsen said well, the reality is that was the only way people could get in and out; so, now that they have a different access point, that may make a big change, but I just wanted to ask the question because we are approaching, tonight's the first game, and the girls played last night. So, it's going to be that time of year, and we want to try to make sure that we plan forward for next year and the year after and the year after. Thank you.

Council Member Khambata said I will just comment that when this was being presented at the Planning Commission meeting, which I am the Council liaison for, a question that I had, which was brought up by one of the Planning Commission members was how would you restrict traffic? So, now people who are dropping off their children are supposed to come around to the back of the building; how do you prevent them from going through the bus lane and continuing to cause congestion? And they said that they had planned to address that with using some cones to blockade vehicles and that that's been an effective method at other schools where they have to manage those two different types of traffic.

Mayor Bailey said I have two questions, and both of them were brought up during our workshop that we had, I believe a couple weeks ago. I think our Parks and Recreation director even brought it up, and it does involve that area between the Ice Arena and the school. The first is about the lighting; at the moment, the lighting over there is dark, and I guess I'd like to put a plug in because I know we have some on the Ice Arena itself, but it doesn't really get out to I'll say the travel lane or lanes that go by there. Then, of course, there's very limited lighting on the school, which actually doesn't really push down towards the sidewalk there; so, I would like to just put that out there as something that we should look at.

The other one, and I brought it up that night and I'll bring it up again here, is parking has been at a premium at that school. Council Member Olsen brings up the comment about if both high schools, even if they're not playing each other, they might be playing at the same time, plus there's basketball at the high school. So, when those events happen, parking is at a premium; you could literally be parking, I'm not kidding, on Ideal Avenue to walk all the way to the Ice Arena or to the school for basketball. And not that this is going to be the biggest of deals, but one of the things that was initially in your first plan was what used to be a warming house, that's behind the Ice Arena, was going to be moved. I know they're using it for storage for like the field facilities, and that was going to be additional parking. I believe that the reason that it was removed is cost factors, is that accurate? So, with that being said, I know what we do at the City is when there's a budget, which you have to have a budget, just like we do, if they do a Change Order where you could actually say okay, I'm going to bid this project out. Depending on how the costs come back, we can do a Change Order, which would be a possibility of somebody adding like the parking on the back there. And I just know, because between the lighting and the parking all around the high school, it's been a challenge. I do appreciate what you guys are doing, I like the idea, I like the design that you're trying to do and to split things up so there isn't so much craziness in the mornings, getting into the high school. But I would just like to make my plug once again for those two items, the lighting on the high school, and then of course, looking at what we could do with some additional parking. If you need to work with our staff, obviously, on placement of a new shed or a building, obviously I'm sure we could work with you on that to make it; I know you had it at another spot at one point. I'm not sure because of how the fields are working out that it had to be moved, or maybe it was us, I don't know. But I'm just saying let's see what we can do to work together to increase the parking opportunities there but also provide you with the needed space that you need for sheds. I would assume Council feels pretty confident on that, I know we brought it up during the workshop, so.

Mayor Bailey said so, this is just on our Regular Agenda; there isn't like a Public Hearing or anything. Is there anybody in the audience that wanted to speak on this topic at all, by chance? No one spoke.

Motion by Council Member Olsen to Adopt Resolution 2024-177 approving the Site Plan Review for two additions to Park High School, located at 8040 80th Street South, totaling approximately 35,000 square feet, and additional site improvements to property located at 8040 80th Street South and 7830 80th Street South; second by Council Member Khambata. Motion carried: 5-0.

Motion by Council Member Thiede to approve drainage and utility easements, right-of-way easement, encroachment agreement, and a stormwater maintenance agreement on property located at 8040 and 7830 80th Street South; second by Council Member Garza. Motion carried: 5-0.

Mayor Bailey said thank you and good luck. I know there'll be a lot of construction going on up there next year.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Khambata said I am so excited to go and skate on a frozen pond, I'm beside myself. However, the ice is not thick enough, and so I'm just going to make a quick PSA that it sounds like we had a close call in Woodbury just a couple of days ago with a couple of teenagers who went through the ice. I know that there's been at least one or two other reports. If you go on the Minnesota Department of Natural Resources website, which is dnr.state.mn.us, they have a nice pictograph explaining how thick the ice needs to be to stand on it, drive on it, snowmobile on it. Please be safe, don't go through the ice trying to have fun with your kids.

Council Member Olsen said I know that Christmas is your favorite time of year, so I'm certainly not going to steal any of your thunder because there's a whole bunch of Christmas going on. But one thing that I did want to mention is this coming Sunday, December 8, we have got our Santa Breakfast for the Cottage Grove Lions, not to be confused with the Santa Breakfast that is taking place at River Oaks. Santa is amazing, he can be in two places at once, but this one is for the Cottage Grove Lions, from 8:00 a.m. until noon at the VFW Red Barn here in Cottage Grove. Santa will be there, along with Sparkles the Elf, and you might see some familiar faces wearing their Lions gear, as we're trying to serve some breakfast and drinks, and there'll be all kinds of fun things going on. The admission price is \$12 for adults, it is \$8 for children, and we would love to see you there. There is no rule that says you can't go to both; so, if you're already planning on going to River Oaks, I know that that was an order your tickets in advance sort of event, this is a pop in whenever you can sort of event. So, from 8:00 to noon, we'll be there; have your fun at River Oaks and then you come and see us and we'll put a little strawberry on top of the sundae for you, and it'll be just a beautiful day. You get to see Santa twice. So, I look forward to having a really nice crowd there.

Council Member Garza said just hopping on what Brenda said, she gave us a lot of great information regarding our taxes here in Cottage Grove and how we're spending our budget on all the things. I just want to give a friendly reminder to any of our new residents to Cottage Grove that may have purchased a home in 2024, make sure that you have homesteaded your home because that will help you with your taxes. So, if you have not or if you do not know, you can check with Washington County, I believe online, or you can give them a call. That's a really good and an important thing to do before the end of the year if you purchased this year.

Mayor Bailey said so as Council Member Olsen said this evening the wind is going nuts out there, and yes, a lot of my Christmas decorations are flying everywhere in my yard, even though they're staked, but yeah, it's not a pretty night for Christmas decorations outside. But staff is telling me that they've already talked to Mother Nature, and tomorrow night, when we have our Hometown Holiday Celebration here at City Hall, I encourage you to come, check out all the events. The last couple years that we've been doing it, it's gotten bigger and better every year. As a matter of fact, and yes, the tent is up out here and its holding very well, but there are a lot of decorations here at City Hall. Staff has done a great job of putting things together. Just as a friendly reminder, there are going to be food trucks out here, games, Santa and Mrs. Claus will be arriving, and then we'll do an official tree lighting for the City of Cottage Grove, I believe at 5:00 p.m. And then there will be some other decorations, some music, and things that are going to be happening out here. City Hall will be open, I think you might have heard that earlier, so if it is colder than what we in Minnesota would say is normal right now, there is a chance for you to stop inside here to City Hall and warm up, if necessary. We will have warming tents and such out in front of City Hall. So, there will also be Christmas movies inside. Like I said, it's a great event, it is tomorrow evening, which is Thursday, December 5, and you can start arriving as early as 4:30 p.m. There will be parking at both the Washington County

Government Center and the HERO Center, and you can take a wagon ride that will be provided from one of those locations to get you here to City Hall, and then you can take a ride back at that particular point.

Mayor Bailey said I was going to mention the River Oaks Santa Breakfast is completely sold out, so whether you're doing both, now that you don't have the option at River Oaks, we definitely want you to go down to do the Santa Breakfast at the VFW for the Cottage Grove Lions; we encourage you to do that.

Mayor Bailey said this coming Saturday, December 7, from 10:00 a.m. to 1:00 p.m., there is what we call a Fill Up the Fire Truck event; in the past in Cottage Grove we've done it at one of our parks or maybe Cub Foods. However, this year they decided they're going to do it down at the Friends in Need Food Shelf, 535 4th Street, in St. Paul Park; it's kind of down behind Carbone's, for those of us who know St. Paul Park. The purpose, of course, is because all the proceeds and such done through this event is going to be provided to the Friends in Need Food Shelf to support families in need. You might be asking what are they looking for? The items they're really looking for are toilet paper, paper towels, toothpaste, toothbrushes, diapers in sizes 4, 5, and 6, plastic and paper bags, deodorant, baby wipes, shampoo, and bar soap; or I would also suggest cash if you're so willing and able to do it because obviously that goes a long way if you can't or don't want to provide those items. Then it'll also give you a chance to take a tour, which is part of the reason why they're doing it down there; so, other than stopping and filling the fire truck, you can actually take a tour of the food shelf and see how they manage to put many, many, many people through there to support those in Cottage Grove and our surrounding communities.

Mayor Bailey said I want to mention about next Wednesday, December 11, we do have the CPKC Holiday Train that is going to be back in Cottage Grove here, right along West Point Douglas Road South, near the Youth Service Bureau. It is an amazing event. If you haven't seen it, I encourage you to swing down there. There are warming tents, there's going to be Santa, free glowsticks, cookies and cocoa, which is also free; obviously in limited quantities, but again, there will be food trucks, Holiday Train merchandise with all the proceeds obviously going to the Friends in Need Food Shelf. It is amazing to see, there is music that comes with the train, so a stage opens up, and I encourage you to stop down there. It starts as early as 3:30 p.m., and the train is expected to arrive around 5:15 p.m., and it's usually here for 15-to-25 minutes, tops, and then it moves on out. So, again, I believe our goal this year is \$100,000; if we do achieve that \$100,000, then over \$2 million would have been raised for just this Cottage Grove stop. By the way, from what we're hearing from CPKC Rail, we're one of the biggest and most profitable stops that they have. In other words, for donating to the local community, so that's pretty amazing both for our communities and the members of our communities, as well as all of the local businesses that help bring this to town. So, that is why they're back again: We're one of their biggest stops, we're one of their best stops, and they do really appreciate all the love and support that they get from the communities of Cottage Grove, St. Paul Park, Newport, and Grey Cloud.

Mayor Bailey said there is also the Holiday Lights tour; you can go to the City website or our Facebook page, and you can download the map, and it'll literally take you to every one as long as you want to do it throughout Cottage Grove. The last I saw, I think there were over 50 homes that are currently signed up. Yes, mine is one of them, hopefully it'll still be intact after this evening, but it is pretty amazing for what people are doing out in our community with holiday decorations. So, I encourage you to do that.

Mayor Bailey said our Public Works Director, Ryan Burfeind, just mentioned to me that one of the things that I mentioned in my Mayor's Moment on our local cable access is we're going to be trying out, if you will, we're going to be putting up four different Christmas decorations on streetlights; they're going to be down on Jamaica, basically between Highway 61 and Taco Bell, in that particular area. There's going to be a number or a letter on each of them for you to vote on which of those particular decorations that you would like to see in Cottage Grove in the future. The reason is that some of the decorations that we currently have are getting older, and on some of them the lights aren't working anymore; so, our goal will be to start replacing them and of course with the new lights that we've got down in the Jamaica Avenue area, by Target, those also require different brackets and things like that, too. So, we are going to need to upgrade some of these, and this is going to be your opportunity to help us choose. The last time we did this, the public I thought loved it, we got a lot of response from the public about which ones they liked or didn't like. We'll get the information from the public later on, as we get closer to Christmas, and we'll share with everybody what the selection is. So, stay tuned, in the next week or so you'll see the information go out there, and you'll obviously see the decorations go up shortly.

Mayor Bailey said we do have a Workshop tonight, which is Closed to the Public; I will just mention to the public that we will be closing the meeting pursuant to Minnesota Statute 13D.05 Subd. (3)a to conduct a performance evaluation of our City Administrator, Jennifer Levitt. Once we're completed with that, we will adjourn the meeting at that point.

So, we look forward to seeing everybody at the Hometown Holiday event tomorrow evening and then again next week at the Holiday Train. So, take care everyone.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS - CLOSED TO PUBLIC

- A. *Performance Evaluation - Jennifer Levitt, City Administrator*
Staff Recommendation: Close the meeting pursuant to Minnesota Statute 13D.05 Subd. (3)a to conduct a performance evaluation of City Administrator Jennifer Levitt.

15. ADJOURNMENT

Motion by Council Member Olsen, second by Council Member Garza, to adjourn the meeting at 10:17 p.m.
Motion carried: 5-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson.



City Council Action Request

7.C.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title City Council Regular Meeting Minutes (2024-12-18)

Staff Recommendation Approve the December 18, 2024, Regular Minutes.

Budget Implication N/A

Attachments	1. 2024-12-18 City Council Meeting
--------------------	------------------------------------

COTTAGE GROVE CITY COUNCIL

12800 RAVINE PARKWAY SOUTH

COTTAGE GROVE, MN 55016

COUNCIL CHAMBERS - 7:00 P.M

December 18, 2024

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on December 18, 2024, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey-Here; Council Member Garza-Absent; Council Member Khambata-Here; Council Member Olsen-Here; Council Member Thiede-Here.

Also present: Jennifer Levitt, City Administrator; Tammy Anderson, City Clerk; Ryan Burfeind, Public Works Director; Zac Dockter, Parks and Recreation Director; Pete Koerner, Public Safety Director; Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Crystal Raleigh, Assistant City Engineer; Emily Schmitz, Community Development Director; Phil Jents, Communications Manager; Amanda Meyer, City Engineer; Brad Petersen, Public Safety Captain.

4. OPEN FORUM

Mayor Bailey opened the Open Forum.

Bruce Karnick, 1908 Pine Street, Hastings, said the item that I'm up here for is as a representative of the *Cottage Grove Journal*, your local newspaper. On the Consent Agenda, you have the *Pioneer Press* being the spot for your legal notices, and one of the things that I know is very important to all of the communities that we serve is staying local. Having the legal notices locally, in the *Cottage Grove Journal*, will hit your right market of people; we know that we had roughly 1,400 subscribers last year, and we're up to 1,800 already for this year, and it just keeps growing. So, we know that we're going to hit your right market for your legal notices, we know that our rates are very competitive, and more importantly, it keeps people like myself and John Moline, a couple other people are local, it keeps them working locally. One of the advantages that you have, and Tony, I think you're probably the only one that I have not met personally in this aspect, but Justin, Myron, Dave, I know I've dealt with you guys on different things; we've been at different events together that I've covered, that our people have covered. You know us, you know my boss, John, you can call me, text me, whatever, him directly if there's anything that we need to do on the legal notice side of things, and it's going to get done. It'll be a weekly thing, so, yeah, there's a little bit of planning in there but not much if you look at it. We are legally allowed to do so because we are in an adjacent county, so we have our office in Hastings, and we also have one in Ellsworth, so technically two counties butt up to this, even though it crosses State lines. So, having us be your legal notice distribution process, we'll make it as easy as we can, keep our rates very affordable, and you help support a local business and keep people

like myself working and doing things in the community. He asked if they had any questions as to why it's important to do that?

Mayor Bailey asked the Council Members if they had any questions, but there were none.

Mr. Karnick said I hope you guys would be willing to take that off of the Consent Agenda and have a little bit better discussion on it before you just sign it off and say we'll go with the *Pioneer Press*, because a local paper is vital to the community and every little bit of income that we have does help keep us covering stuff for you guys and covering stuff like this meeting for the City in general. So, thanks for your time and have a great night and a good Christmas.

Mayor Bailey said thank you, Bruce.

As no one else wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Motion by Council Member Olsen to approve the agenda; second by Council Member Thiede. Motion carried: 4-0.

6. PRESENTATIONS

A. Life Saving Award

Staff Recommendation: Present Lauren Rowe with a life-saving award.

Mayor Bailey said we have a presentation this evening, a life-saving award for Lauren Rowe. Our Public Safety Director, Pete Koerner, is going to start us off on this. Mayor Bailey asked the Council Members to join him in front of the dais, and he asked Lauren to step up to the front to join them.

Director Koerner said this award is a long time coming, but I think this is perfect timing with the holiday season, it's always fun to honor someone around this time of the year and have something really positive. He thanked Lauren for coming in tonight. He said Jonathan is here, he's one of the citizens that originally reached out to me; as you're aware, in the last year and a half, we've really focused on getting our awards coming back. As the Director of Public Safety, I'm fortunate that I can bring things to the Council rather than just at our Awards Banquet, and I thought this was so meaningful that we wanted to recognize Lauren here tonight.

He gave a brief description of what occurred: Last year, Lauren was at the Holiday station on Hadley Avenue, getting some energy drinks, but while at the register, another customer collapsed. Lauren, who has had First Aid and AED training, immediately began doing CPR; so, within moments of the victim dropping, she was able to start working on him. Washington County had a deputy that was near that area when they made the call, and the deputy arrived with the AED and Lauren quickly jumped in and took over that and started the AED. Fortunately, the AED deployed twice, shocked the victim twice, and then our Fire Department personnel were able to arrive. It was fortunate for us that Captain James Olson was one of the medics that responded, and he happened to be on duty tonight, so I told him it would be really neat if he could come up and meet with Lauren and also just share a few words.

Director Koerner said as you're aware, Mayor and Council, we've had countless meetings where we've come in and we've talked to you about our commitment to hands-only CPR; we have a great partnership with Teddy's Heart, so you're really well aware of it. Last year, we were actually designated as a Heart Safe Community, too, so we've put a lot of effort into this. With that, Lauren, you undoubtedly played a significant role in saving a man's life. You are also pursuing a career in law enforcement, so I know this probably continued to fuel your passion to serve and be a police officer. I hope in your interviews, when they talk about a difficult situation, this is a heck of a story to be able to share in that interview. In a moment, we'll present you with a life-saving award, and I have a Chief's coin for you, too, but the words on it are pretty small, so Director Koerner read aloud the inscription on the coin: *This coin is awarded for outstanding service to the citizens of Cottage Grove.* Director Koerner said I can tell

you these aren't issued very often, we probably have one or two of these, maybe a year, if that. So, you're in great company. With that, I'll turn this over to Captain James Olson, thank you.

Captain Olson stated what a beautiful opportunity this is to just reiterate how important it is to have our public trained. We offer classes for hands-only CPR and AED use. Lauren is a wonderful example of what that looks like in action; as this gentleman dropped in front of her, she recognized that early, she started high-quality CPR early, and then got the AED involved, and that led to a favorable, positive outcome. This gentleman walked out of the hospital, neurologically intact, so well done, Lauren.

Mayor Bailey said that's fantastic. So, I'm just going to present you with this award, and he asked Director Koerner and Captain Olson to step forward. Mayor Bailey read the award aloud: *This is a certificate for a Life-Saving Award that is granted to an employee or a citizen who performs emergency medical or rescue actions that saved a life.* He said in this case, it's you, Lauren, so thank you for your service to our community in doing that, obviously saving an individual that was in distress. On behalf of all of us on the Council, our staff, and the entire citizens of Cottage Grove, congratulations and thank you. Everyone applauded. Photographs were taken, after which Mayor Bailey asked Lauren if she wanted to say anything.

Lauren replied I just want to say thank you, and I'm honored to get this award for what I have done, even though it wouldn't have changed anything in the first place. Everyone applauded, and Mayor Bailey and the Council Members shook her hand.

7. CONSENT AGENDA

- A. Approve the November 13, 2024, City Council Special Meeting Minutes.
- B. Approve the September 9, 2024, Parks, Recreation, and Natural Resources Regular Commission Meeting Minutes.
- C. Approve the November 12, 2024, Economic Development Authority Regular Meeting Minutes.
- D. Appoint Chris Reese to the vacant seat on the Convention and Visitors Bureau Board of Directors.
- E. Designate the St. Paul Pioneer Press as the City of Cottage Grove's newspaper for official publications in 2025.
- F. Adopt Resolution 2024-187 authorizing renewal of business licenses for 2025.
- G. Approve the 2025 Council Meeting Schedule.
- H. Approve the agreements for the Wellness Committee to purchase materials to construct and plant raised garden beds for City employees.
- I. Approve the MetLife Dental Policy and the Medica Master Group Contract for 2025.
- J. Approve the issuance of rental licenses to the properties listed in the attached table.
- K. 1) Adopt Resolution 2024-180, 2024 Budget Revisions. 2) Adopt Resolution 2024-181, 2025 Budget Revisions.
- L. 1) Adopt Resolution 2024-183, approving the Fund Balance Policy. 2) Adopt Resolution 2024-192, approving the Interfund Transfer.
- M. Adopt Resolution 2024-185, Accepting donations from LSP Cottage Grove, LP for the Economic Development Trust Fund.
- N. Approval of the service agreement with InfoSend, Inc. for the mailing and printing of utility bills.
- O. Approve letter for O&M Funding Transition.
- P. 1) Authorize entering into an agreement with Aurora Strategic Advisors for Federal lobbying services in 2025. 2) Authorize the letter of engagement with Larkin Hoffman for State lobbying services in 2025.
- Q. 1) Authorize the implementation and cost for two Community Service Officer Cadets to start in 2025. 2) Approve the Community Service Officer/Cadet Law Enforcement Program agreement for Cole Pfeiffer and Ella Haas.
- R. Authorize an agreement for prosecution and related services with the F. Joseph Taylor Law Firm for the contract years 2025-2027.

- S. Adopt Resolution 2024-190 approving the First Amendment to the Purchase Agreement between the City of Cottage Grove and Roers Cottage Grove Apartments, LLC, extending the closing date for Outlots A, C, and D of Frattalone's Southpoint Ridge plat to June 30, 2025.
- T. Adopt Resolution 2024-184 supporting the City's RAISE grant application for the County 19A/100th Street Realignment Project.
- U. Approve the Cottage Grove 2025 Standard Specifications for Street & Utility Construction and 2025 Standard Detail Plates.
- V. Adopt Resolution 2024-182 awarding the shelving quote to Storage Solutions in the amount of \$56,625 for the Utilities & Engineering Building.
- W. Authorize the purchase from Midwest Machinery Co. for a John Deere 6M 130 Cab Tractor and the Diamond Mower attachments for \$204,590.08.
- X. Approve the 3rd Amendment to the Water Tower Lease Agreement with AT&T at the 81st/Innsdale Water Tower Site.
- Y. Authorize the donation of surplus property (15 Motorola radios and equipment) to Washington County Communications.
- Z. Approve the Agreement for Professional Services with River Heights Inspections, LLC, for electrical inspector services.
- AA. Adopt Resolution 2024-189 authorizing the preparation of a feasibility report for the 2026 Pavement Management Project for roadways in the residential area west of Jamaica Avenue, between Hillside Trail and 90th Street, within the Thompson Grove Estates 11th Addition, Woodridge Park Addition, Pinetree Pond Townhouses, and Cottage Grove Commercial Addition neighborhoods.
- BB. Approve the scope of work and services proposed by Hometown Fiber for the Permit Assist program and authorize the appropriate officials to sign all necessary documents to effectuate those actions.
- CC. 1) Approve a purchase order to St. Croix Recreation for a picnic shelter at Denzer Park in the amount of \$19,763. 2) Adopt Resolution 2024-186 awarding the installation of a park shelter to Michael Basich, Inc., and authorizing the service agreement with Michael Basich, Inc. for the installation of a picnic shelter at Denzer Park in the amount of \$16,560.

Council Member Thiede wished to pull Item E, Designate Newspaper 2025, on the Consent Agenda for further comment and/or discussion since the gentleman spoke about this designation in Open Forum tonight.

Mayor Bailey asked the staff for the rationale behind the decision to make the *Pioneer Press* the City's designated newspaper for 2025 for legal notices.

Administrator Levitt replied it's always very difficult, obviously, when you don't have a newspaper that's physically located within your City limits because by State Statute that would have made it easier. Obviously, when that isn't the case, we go to the next tier of circulation and distribution of our paper, and the *Pioneer Press* has a very large circulation and distribution amount within our community. One of the things, Council, I know you pride yourself in is the transparency to the public, ensuring that our message and our information is getting out there. The *Pioneer Press* enables us to do that in a much broader sense than the local *Cottage Grove Journal*.

The other thing, too, is the publication schedule. As you know, development is important to the City of Cottage Grove, and the publication and the ability to be able to be responsive quickly to those publications is important. Unfortunately, with the *Journal* publishing only once a week, there is a cutoff timeframe that can make some of that challenging. So, for us, the *Pioneer Press* is able to publish seven days a week and be able to meet all of our obligations in regards to that. That really helps us on the development side of things to be responsive to the development community for their notices. And, so, that is why we are recommending the *Pioneer Press* as the City's newspaper for 2025.

Council Member Thiede said okay, that's good, thank you.

Motion by Council Member Thiede to approve the Consent Agenda; second by Council Member Khambata.

Motion carried: 4-0.

8. APPROVE DISBURSEMENTS

- A. Approve disbursements for the period of 11-29-2024 through 12-12-2024 in the amount of \$3,357,141.

Motion by Council Member Olsen to approve disbursements; second by Council Member Khambata.
Motion carried: 4-0.

9. PUBLIC HEARINGS

- A. 2025 Pavement Management - Hold Public Hearing and Order Project
Staff Recommendation: 1) Conduct the Public Hearing for the 2025 Pavement Management Project. 2) Adopt Resolution 2024-188, Ordering the 2025 Pavement Management Project.

Mayor Bailey stated Crystal Raleigh, our Assistant City Engineer, will walk us through this item tonight.

Assistant Engineer Raleigh stated the next agenda item tonight is the 2025 Pavement Management Project Public Hearing. Over the years, the City of Cottage Grove has done a wide variety of different pavement rehabilitation and pavement maintenance practices. The Seal Coat practice was done for a number of years, and it's been found that that doesn't last as long as we would have hoped. We were looking for a 25-to-30-year pavement lifecycle, and we're now pushing that out to 40 years. So, we found some other rehabilitation methods that are helping us hit that 40-year life. We like to do Crack Seal projects where those cracks at the beginning of a pavement life and all through its life can get sealed up, so no water can get in. We also do a lot of Mill & Overlay projects, we do Reclamation projects where we grind up that pavement and the gravel below it, and then repave a new surface on top. We do a lot of Pavement Replacement projects, which is what we're talking about here tonight, and then we do Full Reconstruction where we remove the pavement, the gravel underneath, all the way down to that subgrade, and then we build the pavement surface back up.

So, why do we do Pavement Management? We really want to keep our roads in good structural condition; again, we want them to last as long as possible so we aren't spending our resources on them. So, again, pushing that out to that 40-year lifecycle is really what we're looking for. These projects also allow us to take inventory of our infrastructure under the street and make any necessary repairs at that time, once the pavement is off. We're also able to maintain property values with this practice; a nice new street in front of a residence maintains a higher property value than an older street with a lot of patching in that. So, we really want to keep that level of service high for our residents.

Assistant Engineer Raleigh said this map shows a history of pavement management throughout Cottage Grove, but it's a little deceiving; pavement management projects in Cottage Grove date back to 1994, and if all those years were on this map, almost every street would be highlighted and we'd run out of color, I'm sure. So, this list is since 2010, and you can see we've bounced around to lots of areas in the City.

The Pavement Management project being proposed for 2025 is in the Hidden Valley neighborhood; the neighborhood is before you on the screen. It started construction back in 1986 on the lower southeast corner of that neighborhood, in the orange; and construction continued through the early 2000s with the northwest corner, that green cul-de-sac, being completed in about 2005.

How do we figure out which roads are eligible for pavement management or which ones we want to push forward? We look at a variety of factors, and one of those is the PASER Ratings. So, we drive our streets every year, we look at all the segments of streets and evaluate what they're looking like on the surface; we give them a condition assessment, rated 1 through 10, with 10 being good condition and 1 needing a lot of work. We also refer to our maintenance records, we look at when did we Chip Seal these streets, when was there a big Patching project. We also have this thin overlay practice where our street superintendent and his crew does a half-inch to an inch overlay over the street; we look at those records, and we evaluate a lot of different factors. We also take Core Samples where we actually cut out sections of the pavement and look at it, as the surface can look a lot different from what it looks like underneath. I kind of want to point out this intersection, Hidden Valley Hollow and Hidden Valley Lane, in this neighborhood. Google Earth showed some interesting air photos throughout the years;

in 2015, under that red rectangle, you can kind of see a large, dark area on that northbound lane, and that's a really large patch. In 2016, you can see there's lots of additional patches with the smaller, darker colors on the street. In 2017, still more work was needed so our Streets crew came in and did a Thin Overlay project in 2017.

Here are some current pictures of the neighborhood. This top one is Hidden Valley 3rd Addition; you can see vegetation starting to grow through some of these cracks. The lower right-hand corner is a picture of the Thin Overlay starting to wear off; there isn't a lot of structure underneath that overlay, so it's starting to wear over time, and that's what we anticipate will continue to happen in this neighborhood if something isn't done. The upper left is Hidden Valley 5th Addition, and 6th Addition on the lower right; again, both of these photos just show a lot of cracking, a lot of asphalt stripping in this neighborhood.

So, when we're evaluating these projects for improvements, we're also looking at our Storm and Sanitary Sewer systems, and we're evaluating those from the street level and then also under the street through camera technology to look for cracks and look at the condition of the insides of pipes. When we reviewed those in this neighborhood, we found that generally the Storm and Sanitary systems are in good condition; there are some opportunities to make some improvements, and those are proposed for the project.

With Watermain, we take a look at our records, how many breaks have we had in this area; we found that there were very infrequent breaks, and we expect that that Watermain is generally in good condition out here. If the pavement is removed, we can get a better look at valve bolts and fittings, so we would evaluate that at the time of the project.

Proposed Improvements

- Full Pavement Replacement: We would remove the upper layers of pavement, get down to that gravel base, we would regrade, recompact that gravel base, and then pave two lifts of asphalt to a depth of 3.5 inches.
- Spot Curb Replacement: Some neighborhoods we do full curb replacement, it just really depends on the condition of the curb. Some areas of this project do warrant Full Curb Replacement, but for the most part, the curb was approximately 27% damaged; so, most of the area of this neighborhood would be Spot Curb Replacement.
- Minor Utility Repairs: We'll also take advantage of the street being open and do some minor utility repairs while we're in the area. Lining some pipes and manholes, replacing some of those structures, if needed. We would recondition and raise hydrants. We would replace the two pressure-reducing valves, which is a water-system feature. We would replace any damaged light poles and high-pressure sodium (HPS) fixtures would be upgraded to the LED fixtures.

Proposed Park Improvements (Not Assessed)

We also look at parks in the neighborhoods of Pavement Management projects; Hidden Valley Park is in this neighborhood, and there are some opportunities to take advantage of a contractor being right next door. So, there are some projects proposed in Hidden Valley Park, but it's important to note that these projects would not be assessed to the residents; these will be paid for by Park Improvement Funds.

Estimated Assessments

- There are about 229 Assessable Properties in this neighborhood.
- The assessments are estimated to be \$6,329.73; estimated is the key word, as right now all these numbers are based on Project Estimates. If the project moves forward, final costs would be based on real construction numbers.
- When we're looking at these projects, we also do a Special Benefit Appraisal, so we determine what is the benefit to the property from leaving the pavement alone vs. having a brand-new street in front of a home. The Special Benefit Appraisal came in at \$7,400 for these properties, that really supports the assessment of \$6,329.73.
- If a property owner did not choose to pay that assessment within the first 30 days of the Adoption of the Assessment Roll, the average annual payment over a series of 15 years is \$630.92. It's important to note that the property owners could pay any amount upfront, in that first 30 days, to avoid interest if it's amortized for 15 years.

Assessable Parcels

This screen shows the Assessable Parcels for this project; the green are the 229 Assessable Parcels in the Hidden Valley neighborhood. The blue parcels are City-owned parcels, and the streets that are adjacent to City-owned parcels are funded only by City funds; so, those street sections next to the blue are not assessed and are not included in that assessment calculation.

Funding Breakdown

There are many funding sources in a project of this size:

Total Project Cost (Based on an Estimate at this Time)	\$3,885,470.95
Sanitary Sewer Utility:	\$ 93,335.91
Water Utility:	\$ 183,436.12
Stormwater Utility:	\$ 166,362.36
Streetlight Enterprise:	\$ 118,712.95
Park Improvement:	\$ 189,039.58
Trail Replacement:	\$ 67,105.05
General Levy:	\$1,617,971.46
Assessments:	\$1,449,507.52

Assessment Terms

- Pending assessment is listed for each property once the project is ordered.
- Residents may pay within 30 days of adoption to avoid any interest charges.
- Partial payment is allowed, minimum of \$500.
- Assessment is payable over the next 15 years, and is subject to interest.
- The interest rate is 1.5% over the City's Bond Rating; right now, that is looking like about 6%, but that would be evaluated when construction is completed next fall.
- Deferral is available if certain conditions are met (disability, military, age 65 and older), and proof is needed for deferrals; interest still accrues during the deferral period.

Schedule

- December 10, 2024, Neighborhood Meeting: About 40 attended, they were very engaged, asked a lot of great questions. Logistics during construction came up, a really common question.
- December 18, 2024, Public Hearing: Will be held tonight
- February 19, 2025: Council approves plans and specifications
- March 13, 2025: Project Bid Date
- Late March or Early April, 2025: Second Neighborhood Meeting
- Spring, 2025: Construction starts
- September, 2025: Construction is complete
- October, 2025: Assessment Hearing

Assistant Engineer Raleigh said with that, the recommendations are on the screen, and I'm available for any questions.

Mayor Bailey asked Council if they had any questions.

Council Member Olsen thanked Crystal, said it was a good presentation, with a lot of good information there. A couple things occurred to me as I was going through this in the packet and then your presentation sort of made me think about those things again: One of the reasons that the City has typically approached these sorts of projects early, so we're in December for a project that's going to happen next year, is we want to be in a favorable bidding environment. The sooner we can get plans and specs out to the potential contractors, the more competitive the bidding typically is, and that's always sort of worked in our favor. I think that's been a good practice for as long as I've been part of the Council. So, my first question is this: As we are sort of exploring this, have we had any contractors we've worked with before or anything like that, has anybody expressed interest in being part of the

bidding environment at this point? Do we know any of that, or are we just basically going to wait until February, when plans and specs come online if this project moves forward, and then kind of see where we land?

Assistant Engineer Raleigh replied I haven't heard of specific contractors that are calling and asking questions on the project quite yet; of course, we haven't pulled the trigger to move forward, right? But all of the contractors that I've worked with so far in my time here on this project would be interested in this type of project. Like you said, February, March, April, that is a perfect timeframe to be bidding and to be getting good pricing on a project like this. So, the contractors will really be looking for work around that time of year and looking to fill up their calendar for the summer. So, we are hitting that sweet spot, and we anticipate a lot of interest; I believe last year we had seven bidders on our project, so we should be sitting well.

Council Member Olsen said and that competitive bid environment, as I said earlier, it's seemed to be favorable for us where we get an estimate and then the bidding environment comes in and we're pleasantly surprised. So, that's why I asked that question. The second thing that occurred to me was when you think about Hidden Valley, and I live very near to Hidden Valley, and so I took several drives through the neighborhood as we were considering this project, there's a lot of cul-de-sacs. It's a little bit different than some of the neighborhoods that were built early on in the City's history, and because of those cul-de-sacs, you have some land mass that isn't necessarily fully populated with dwellings; so, it seems like the dwelling number is a little light. Am I just seeing things, or is that accurate?

Assistant Engineer Raleigh replied, you're absolutely right; there is a lot of pavement area, a lot of blacktop in this neighborhood that doesn't necessarily have a house right on it or just a few houses for a lot of blacktop. So, another thing that we noticed about this neighborhood is that the lots are very large compared to how we're building our City out now. So, there are fewer parcels to spread this project cost around; so, this assessment is a little higher than we've seen for a Spot Curb in the past. Of course, there's inflation and a lot of factors that go into that, but one of those is certainly the amount of pavement because of those cul-de-sacs and then the big lot sizes that we have here.

Council Member Olsen said yeah, I mean, that's pretty much a basic math equation, but it just struck me that the configuration probably isn't helping us too much on something like that. And then the last thing that I wanted to ask, and I'm not sure if you want to take this or Ryan, but I know you did some pretty extensive testing in the neighborhood, including lots of Core Sampling. As a layman driving through the neighborhood, you can see a lot of the reflective cracking coming up, and you showed some pictures of the Thin Overlay that Gary and his team did, and that's kind of starting to break up now, too. What did we see in the core, as far as the deeper infrastructure? Because even sometimes when the roadway looks beautiful, underneath there are all kinds of issues. So, were there any major callouts that you guys saw, other than just its aged and the asphalt's dried out, and it's in bad shape?

Assistant Engineer Raleigh replied, yeah, I'll take what I can and if Ryan wants to add in, he certainly can, but we are seeing a lot of asphalt stripping; and asphalt stripping is when the asphalt glue that holds the rocks together in an asphalt mix, when that glue is kind of washed away over the years. And when we take those Cores, we know there's asphalt stripping when they don't hold together, that top Thin Overlay is intact, but underneath it, there's nothing supporting it. Ryan's crew had cut out a couple sections themselves to evaluate, and one of those samples just completely fell apart, there was nothing underneath it, and we think that's what's happening throughout the neighborhood, so.

Council Member Olsen said I know that there are occasions where maybe a project gets delayed and then what ends up happening is that infrastructure that you can't see gets even worse; in fact, I think this happened in the mayor's neighborhood, and then you're stuck with a Full Reconstruction and it gets really difficult.

Assistant Engineer Raleigh replied yeah, that's absolutely right; the curb continues to degrade, too, which once we have a Full Curb Replacement on a project, project costs can rise quite quickly with Full Curb vs. Spot Curb, as we're going to be doing out here. So, we really try to catch them before they're real bad.

Council Member Olsen said well, thanks for the info, I appreciate it.

Council Member Khambata asked when you were discussing the breakdown of where the funding was coming from, can you explain why the City was fronting the \$1.6 million that wasn't being assessed to property owners?

Assistant Engineer Raleigh replied, so, the City's Assessment Policy allows us to assess up to 45% of Project Costs to the homeowners that are adjacent to the project. The remaining 55% is to be paid for by other funding sources. When we can identify a specific Utility Funding Source for utility work, we'll absolutely use those funds, but the remainder does have to be picked up with General Levy funds.

Council Member Khambata said so, that's like the general tax, that's everyone's taxes are paying for that section of road or that percentage of that, correct?

Assistant Engineer Raleigh replied that's correct.

Council Member Khambata said it's not just this specific neighborhood; Assistant Engineer Raleigh said right, the general taxbase.

Council Member Thiede said I'll guess I'll mention it, not that it matters, but both Tony and I live in the neighborhood, so it's a tough one to swallow. But the one thing with that neighborhood, it was quite a timespan over the different roads; and actually, there was a significant difference in quality of asphalt where we had a period where probably some of the later neighborhoods had pavement that I would say probably wore out actually before some of the older stuff and so forth. So, it's kind of interesting. The other thing that makes us a little more expensive is we like our 32-foot, curb-to-curb roads vs. what is 28 now; we had a lot of arguments back in the 2010 era and things like that about the streets and the street widths, and how the contractors were narrowing it down and things like that. But that obviously adds more cost to the project, also. So, while in some ways, I go out and I say well, the road doesn't look too bad; technically, there's no holes that I've lost my cars in or any kids or dogs or anything like that. But I guess we did take the samples and while it's a little bit of a tough pill for anybody to swallow, not just because we're in the neighborhood, but anybody, anywhere in the City; it's something that does keep the City in good shape and probably helps some of the vehicles stay in more mint condition and things like that. We often have people say, man, you guys, your roads are really good when you talk to people from other cities and so forth. So, I guess I'm probably going to have to swallow hard and it'll be okay.

Council Member Olsen said so Council Member Thiede mentioned something that had not occurred to me, and I just want to ask another question about that, and that is the condition of the asphalt in some of the newer areas. There was a period of a couple of years where the MnDOT spec for asphalt was not great, and some of that had to do with the change from what they had been doing to trying to reclaim older asphalt and then remix it with oil and try to essentially recycle some of that stuff to be used in neighborhoods. I know the City of Woodbury had several large areas in their city where that asphalt wore out much faster than it was supposed to have done; did that neighborhood experience some of that, is that accurate?

Assistant Engineer Raleigh replied said as I'm a Wisconsin girl, I am going to defer to my Minnesota colleagues on that.

Ryan Burfeind, Public Works Director, said this is a good one for me to touch on because I was here eight-to-ten years ago when we were really looking at our asphalt specs because we do have to follow MnDOT; they're that guiding principle for asphalt throughout all of Minnesota. But what we found with that asphalt stripping, as Crystal mentioned, it was really drying out, and what was happening is the asphalt content was quite low, compared to what we'd want to see. So, within the bounds of the MnDOT spec, we made little tweaks back in kind of the mid-2010s and we were really able to boost those numbers up and get the asphalt content back to what we like to see, while also providing a really good product, I think. So, the pavements that we're putting down now really more closely match what we were seeing in kind of the 1980s timeframe with that asphalt content being a higher percentage of the overall pavement. So, that was a very proactive thing that we did when I was here and Jennifer Levitt was the City Engineer at the time, and I think we've seen great results with that since we made those changes.

Council Member Olsen said I would agree, I just recall having those conversations at that time about the mix wasn't quite what we were looking for; so, when Council Member Thiede mentioned that, it kind of flipped the switch in my brain that maybe that was part of the issue, even in some of those newer neighborhoods. Because as he said, we had neighborhoods with that older spec, that older mix, that didn't need any work really for close to 30 years. So, yeah, that's unfortunate that that happened. Thanks for answering that for me.

Council Member Khambata said I was going to go on a tangent on asphalt and aggregate size and how we achieve the higher content of asphalt through aggregate, but I don't need to bore everyone.

Mayor Bailey opened the Public Hearing.

Kelly Dawn said I live at 7591 74th Street South, in Hidden Valley. I really am wanting to speak, I don't disagree, I was a regional director in infrastructure for a long time, I do believe our roads need to be done. I do think that the assessment is aggressive, it does help to understand that we have bigger lot sizes and things like that in the neighborhood, and how the neighborhood was phased originally didn't help that matter. But I really wanted to speak today because I really think that this rollout could've been done so much more gingerly, to be frank. This is a project that the City has known about, that needed to be done for a really long time, it's not a secret. You can get lost in potholes in some of the cul-de-sacs, we walk them every single night, the entire loop, the entire cul-de-sac. The re-pavement that was done I think around three years ago is a huge safety risk, and so it's not beyond me that it needed to be done. The part that really bothers me is that 30 days before Christmas our neighborhood is slapped with a \$7,000 bill, and then we're just supposed to go, oh, but it's interest free for 30 days. Well, that's, as far as I'm concerned, like this assessment is aggressive, the way that it was rolled out is wrong. I'm glad to know that we are going to be getting revamps to the park that was completely demolished and degraded when we did the park reboot, when was that, last summer or the summer before? Our old park was fantastic, it was my kids' favorite park. Absolutely no neighborhood community involvement happened when that park was supposedly being redone, and it's a park that my kids no longer want to go to, so that's good news on that one. But I really think that they do need to be giving homeowners more time; this is something that if we would have had more time than what will ultimately be about a year, we could've been able to pay that amount in full; we will end up having to finance it to a tune of an additional \$3,000 when this is done, to be paid. This is a time of inflation, this is a time where people don't have extra money, and with all due respect, this is a time where the City Council has come back to homeowners more than once to ask us to increase our property taxes. You came to us at this last voting election, asking us to then say, oh, well, everybody can pay a sales tax to do parks that don't need to be redone. So, I really do think that there does need to be a level of a shift in priorities because a \$7,000 bill on a neighborhood who's turned over to all brand-new families with brand-new babies isn't acceptable.

Lance McMorrow, 7371 Hidden Valley Trail, said I am new to Cottage Grove and Hidden Valley, I just bought a house in the development in May. When I looked at the property, I said, great, this road is fantastic, I'm not going to be hit with an assessment for a long time; and I came from West St. Paul, where I lived in a condo association where there were about five-or-six roads that collectively were done over the course of five years, so I wrote checks for about five-or-six years. So, my biggest concern is obviously the price on this assessment was really eye popping, and the timing was less than ideal. The second concern I have is just are we getting the most for our money? The road looks good; are we making our dollars stretch as far as they can? Like I said, I came in, new to the community and the road looks really good; obviously, I don't have Core Samples or anything like that, but just from a layman's perspective, the road looks really good. And my preference and my neighbor's preference was that if this could be pushed down the road a couple years and save some money, that'd be great. But those were my concerns and thanks for hearing me.

As no one else wished to speak, Mayor Bailey closed the Public Hearing.

Mayor Bailey said there were some questions that were asked; he asked City Administrator Jennifer Levitt if she wanted to respond to some of them.

Administrator Levitt said well, I'll talk about assessments, and I won't talk about asphalt, so when it comes to asphalt, I'll turn it back over to Crystal. When it comes to the assessments and taxes, I thought I would start there. One of the questions related to the assessment being too high; the one thing that I would remind Council, tonight is a decision about ordering the project. So, tonight, you're looking at the warrants that merit ordering the project and moving forward with it. The question about the value of the assessment and the amount, that is the conversation that we will have in October, after the project is complete. So, there is a distinction; so, tonight,

you're looking at is this project warranted to proceed based upon the merits that you've heard and the feasibility report that's been before you. So, we will talk about assessments in much-greater detail in October if the project moves forward.

In one of the questions, the resident brought to our attention in her comments was related to being surprised. Now, Council, I know that you want to give residents as much lead time as possible, but I know that you're also very fiscally conservative, and you know what happened in our budget discussions; you looked at our Financial Management Plan (FMP) for the next ten years, you looked at the Pavement Management projects that we had planned, and the value of those were not fitting within your financial means. So, you did challenge staff to go back and reevaluate our Pavement Management Program to make sure that it fits within our FMP for the next ten years. Unfortunately, when we had to make that adjustment, we weren't able to give the residents as much notice as we typically would because actually, tonight on your Consent Calendar, you authorized the Pavement Management feasibility report for 2026. So, that will enable us to give residents much more notice. So, to the resident's point, unfortunately, the way the financial situation worked out this summer, we had to pivot; so, as fast as we could get notice to them, we did, because you adopted the Budget and the CIP just at the last meeting, on December 4. So, the neighborhood meeting was held on December 10; we've been aggressive to try to get notice out to them, but clearly, it is still only a year for them to save, and we recognize that hardship. So, we do acknowledge that issue.

So, if there are any other questions, Council, that you want us to talk about, pavement condition and stuff like that, our Assistant City Engineer would be happy to answer those questions.

Mayor Bailey said one of the things, if I recall, though, and you can correct me if I'm wrong, so even before October, I believe it's in February or March, we'll go out for bids, correct? And if the bids come in high, we could say at that particular point we're not going to do it or we can't do it; because tonight what we're here for and I'm going to look at our attorney for this, the Benefit Appraisal says the cap is \$7,400. So, we're assuming, based on our data and all the information, that the amount that's going to be taxed is at \$6,300, or whatever the specific amount was; however, if it comes up higher than that, it can't go over \$7,400, correct? Because then it's done. So, we will, as a Council, have another opportunity to take a look at what it's going to cost. I will tell you, and it doesn't always happen perfectly this way, but so far, what happens, and it even just happened in the one that we did this year, though it was still high and that particular one was Full Curb Replacement, the bid came under what the original amount was. I just wanted to let the public know we always try to put it a little higher in our goal and expectations, and we hope that it will come down. But duly noted on the notice, if you will, because that's been a challenge.

Mayor Bailey said the last thing that I'll mention from Council's perspective, and we've done this before, there have been times, referring to the gentleman who just spoke, where we have looked and still do look at all these different pavement areas within our community. You kind of mentioned fitting it in our fiscal management plan for ten years, but the fact of the matter is there have been times where we have pushed off projects, right? If Ryan comes to us and our staff comes to us and says, we checked these areas and we think we can get a few more years out of them before we really need to get in there and do it, so we do. I know my partner next to me, here, he is very particular about, as a matter of fact, they even brought Core Samples in to share with him so he could see the underlying pavement of what's going on. I can say this was before I was mayor, I think it was even before I was on the Council, but the neighborhood that I lived in, they came up, and I think that's the last and only time that a project was delayed, and that was before I lived there; so, I'm going to put that out there very clearly, and it got delayed, and by the time I moved in there and then found out the assessment was double, the reason it was double was because they had to do a Full Curb and Full Asphalt Replacement there because they waited too long. And, so, that's the challenge and that's the risk that we're trying to avoid in some of these cases is to keep the cost as low as we can and not have to do Full Curb Replacement, which adds a lot of cost to the project.

Council Member Thiede said I was just going to mention, too, in terms of being a little bit surprised, I've already talked to staff about that because this past year, being as kind of cheap as I am, I'm kind of stingy and so forth, my dad raised me to be pretty much that way. So, I was really watching the planning, because we did have things laid out quite a few years in the future for this Pavement Management, so I was keeping an eye on it because I've been

on the Council since 2010 and on Commissions and so forth since about 2005. But so, I had never seen Hidden Valley on the list over the years, and then it kind of seemed like it popped up here this past year. I now kind of understand the reasons why we're doing what we're doing at this time, but I will admit that it was a little bit of a surprise. So, we do a great job at planning and things like that, this one was a little bit not quite on par, maybe, but we'll keep track.

Council Member Olsen said Kori, I'm going to turn to you because one of the things that you do very well whenever we have these conversations is you describe the legal process that we have to follow whenever we take a look at a project like this, and it is statutorily mandated that we do things in a certain way. So, I wonder if you might take a few minutes and just share again how exactly this process has to flow so that anybody who may be in this area or people watching at home, who are just curious, have a little bit better understanding of the way that we have to do this.

Kori Land, City Attorney, replied certainly. This is a very statutorily-driven process. Whenever the City's going to do assessments to pay for a public improvement, you must follow Chapter 429; so, it's all laid out in Minnesota Statute 429. One of the steps, ironically, is on your Consent Agenda to Order a Feasibility Report; that is Step 1, you have to determine whether or not the project that the City Engineer is designing in his head is appropriate, is the right kind of project, and the Assistant City Engineer went through all of the different kinds of projects that could be done. So, the Feasibility Report will then determine or give a recommendation in every single street as to what the appropriate method, whether it's a Mill & Overlay or is complete Reconstruction, it will spell out that process. So, that's Step 1 because you need to have the study to determine what the project could be. Then, when that Feasibility Report comes back, that's what you're holding tonight is a Public Hearing on a public improvement project; the Statute requires you to send an estimated assessment, and that's all it is at this point. It's not going to go on anybody's property taxes yet, it is just a number based on what the Feasibility Report said, this project is going to cost this amount, and this is how we could do the assessments for the project. On that entire list of how we're going to fund the project, one of those items was assessments. So, that's the assessment estimate; that's all it is, you're not going to have to pay for it in 30 days. So, the estimate must be mailed to the property owners, and there must be a published notice in the newspaper. That's why you're holding the Public Hearing tonight, you take feedback, you could continue this or you could decide tonight. If you decide tonight, you'll be ordering the project, which is Step 3. Then, the City staff will put together the plans and specs, you will then approve those plans and specs, that's Step 4. And then if you approve them, then they go out for bid. Step 5 is the bid comes back to you for award. So, all of these things have to happen in a public meeting. Finally, the City will hire the contractor, who will do the project. At the end of the project, as you've indicated, next October there will be the actual Assessment Hearing. That's when we're talking about a hard number that the Council is proposing to assess against all of those properties. So, that's when we'll have the actual based in fact, can't exceed the \$7,400 assessment. That is a property owner's opportunity at another Public Hearing to come to you and say why they think that assessment is maybe not fair or they think it should be reduced, and they can provide that objection at that hearing. That's the first thing they need to do is object by the Public Hearing date. If they do that, they preserve their right to appeal. So, there's plenty of due process built into this entire assessment, Chapter 429. If they want to perfect their appeal, they would serve the Mayor or City Clerk with their Notice of Intent to Appeal and then file that in District Court; and that is where they will get a fair hearing to determine whether or not there truly is a Special Benefit in the amount that we propose to assess. So, that's the process.

Council Member Olsen asked and is it fair to say through the course of that process, there are several stop signs where the Council can then take another look and identify whether or not we want to continue to move forward or whether we think we're at a place where maybe this isn't the right thing to do at this particular time?

Attorney Land replied there are at least six touch points that the Council has on every public improvement project where it comes back to you at a Public Hearing for a decision.

Council Member Olsen said perfect. And to Jennifer's earlier point, our objective this evening is just to identify whether or not there are Findings of Fact that would cause us to want to continue the process. Okay, thank you very much.

Council Member Khambata said as Council Member Thiede said, he and I are in a unique position because this affects us directly, but in every other hearing, the same things come up: Why is it being done this way? Why did you choose now? And in every other one, I thought about ours because three years ago, when our cul-de-sac got patched, my kids were falling into it on their bikes, and I'm like it's coming. And, so, with every other time when I had to make that tough decision, I'm like it's one of the toughest things that we do is to have to make the decision that's right in the moment but maybe not popular. From talking to Ryan and hearing about what was the assessment on the pavement three years ago; well, three years ago, when they patched it, we thought it would get us five years, but as they continued to do Core Samples because we have a takedown schedule for roads. As we're talking about this year's Pavement Management, they're going to highlight five other years, out to 2029 or 2030, on our CIP. So, every year we look at what is potentially a five-year outlook for future road improvements. Every year, they do Core Samples, and either the road is holding up as expected, longer than expected, or less than expected; and this is, unfortunately, due to that asphalt mixture, this is one of those roads that was degrading faster than expected. So, yeah, I think when I was on the Planning Commission, I think I remember having a conversation about what helps you guys decide what road needs to be done and when, and it's from that regular monitoring of the oldest and most suspect areas. Plus, you've got Public Works who is out driving plows, and as their Work Orders are coming in to patch a certain area, that's cueing them in to what might be the next potential area for improvement. So, I will say that it's always tough to have to make this decision, but a lot of empirical data went into guiding our decision to bring this up for a vote as it is.

Motion by Council Member Khambata to Adopt Resolution 2024-188, Ordering the 2025 Pavement Management Project; second by Council Member Olsen. Motion carried: 4-0.

Mayor Bailey said as you heard earlier, you will be notified as we keep going through this, and I guess the good news for you is I know, unfortunately, tonight the Council Member on my right, it is his last meeting; on my left, you can talk to him in your neighborhood, and the new Council Member is right behind you there. So, you know who to harass if you want or you can call me. But thank you for coming in and sharing, though, that's important.

Kelly Dawn said I appreciate it, and it does need to be done. I acknowledge that.

10. BID AWARDS - None.

11. REGULAR AGENDA

- A. Roers Companies Cottage Grove Multi-Family - Amended Site Plan Review
Staff Recommendation: Adopt Resolution 2024-191, rescinding Resolution 2024-007 and approving Amended Site Plan Review for a 144-unit, six-story Mixed Income multi-family apartment building, located at 6850 East Point Douglas Road South.

Mayor Bailey said I'm very happy to see this item on the agenda tonight, and Emily Schmitz, our Community Development Director, is going to walk us through this item.

Director Schmitz said I'm as excited as you are, mayor, as this has been a long work in progress. This particular site, if you're not familiar, is located just at the end of the cul-de-sac of East Point Douglas, as you pass The Legends and White Pines. A little bit of background, if you don't recall, this site has nothing short of challenges. As you can see, several different parcels, but I'll make note as you can see Outlot A has a lot of topography change on this particular parcel. There is a large area dedicated to some Stormwater ponding, but I think the biggest item to note is that Pipeline Easement; Flint Hills runs two crude pipes through that easement, obviously restricting the developable area of this parcel.

So, this is why it might look familiar to you, Council, as back in January of this year, you saw this project before you and voted to approve a 144-unit Mixed Income apartment building on this particular site. You also approved the Preliminary and Final Plat; as you saw on the previous slide, it's several parcels, and we needed to bring those

together for that Camel's Hump Addition and also for the applicant to purchase a couple of lots from the City to make this site work, and then that Planned Unit Development (PUD).

After this approval, Flint Hills after some reevaluation of what they were comfortable with on top of their crude pipelines, they asked the developer to kind of go back and reevaluate if they could maybe draw back a little bit of that impact. So, we went back and forth several times, and we finally landed somewhere in the middle; you can see the original Site Plan and the Revised Site Plan, which is on the righthand side of the screen. Some additional surface parking is still remaining there. Again, with the topography of the site, those elevations are challenging and require some retaining walls that need to extend into that easement, and finally, a trail connection.

As I mentioned, the surface parking is reducing that back from the original approval, adding some additional snow storage; obviously the site is limited, where are we going to put that snow in Minnesota? And, finally, that trail connection that we always wanted to ensure connected to the natural trail on the north side of this project that connects up, then, to the Camel's Hump.

So, these are the amendments to the original Site Plan that you saw in January, so I wanted to make sure that those adjustments to the site were clear. All of the remaining Zoning standards are being met and remaining the same from the original approval in January to this plan that you see before you this evening.

Finally, I wanted to ensure that I reminded you that the developer is not proposing to address the architectural materials; if you recall, one of our biggest passions with this project was making sure that as you are coming in and out of our community, that those Class I materials are focused on that side of this project, and they are remaining so with their amended project.

So, with that, I will leave the recommendation before you. I am available and the applicant is in the audience if you have direct questions for them as well.

Mayor Bailey thanked Emily and asked if Council had any questions for her.

Council Member Khambata said I just want to make sure that I understand correctly that there is no change to the total number of units. Director Schmitz confirmed there is no change to the total number of units.

Mayor Bailey asked the applicant if they wanted to share anything, and he wished to speak.

Pete Schroeder with Roers Companies, 2 Carlson Parkway, Plymouth, MN, said I appreciate the time tonight, and he thanked Emily and staff for the presentation and just all the work on this over the past eight months now. As Emily spoke about, we made a few adjustments to the Site Plan, but overall, it's pretty much the same project that was approved in January: The same unit count, same parking ratio, same exterior elevations, and same amenity package. Over the last few months, as Emily mentioned, we've worked closely with staff and Flint Hills Resources to get to this new Site Plan in front of you tonight. We're very excited about this new layout and to move forward with this; so, if you have any questions, I'll be more than happy to answer those and I appreciate the consideration.

Mayor Bailey said fantastic, asked if Council had any questions and none were asked. He thanked him for hanging in with us, as I said earlier when I spoke with you, because it's been a long time coming and a very challenging site. A lot of different projects have tried to come there, but didn't get it worked out, so I'm glad we were all able to work together.

Motion by Council Member Thiede to Adopt Resolution 2024-191, rescinding Resolution 2024-007 and approving the Amended Site Plan Review for a 144-unit, six-story Mixed Income multi-family apartment building, located at 6850 East Point Douglas Road South; second by Council Member Khambata. Motion carried: 4-0.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Khambata said well, this will be my last meeting up here at the dais, at least for a little while. I have had a great privilege in being up here and working with City Council. I was able to get to know some of the most intelligent, dedicated, creative, and professional people that I've ever had the pleasure of working with, and I'm talking about staff, of course. Myron is selfless with his time. Justin is one of the most intelligent people I've

ever met, he remembers things from decades ago, I don't understand it, but he's also very generous with his time, he volunteers a lot. I aspire to do that when my kids are older and I have more time. Dave is super cheap, that is one of my favorite qualities about him is he keeps us in check, and he's indispensable with his spreadsheets. So, I'm really going to miss being able to collaborate with you guys. Monique, although she's not here, she's been on the Council for a year, and in that time, I've seen her jump in with both feet into some really challenging issues that we've had to deal with and never once shy away from the hard work that we do. So, I'm grateful to have worked with all of you.

Mayor Bailey said thank you, same with us, and I'll share a few things here in a few minutes.

Council Member Thiede said yeah, we'll keep you involved.

Mayor Bailey said yeah, definitely, he already is going to be. Oh, sorry, his wife's out in the audience, she's probably not going to be happy about that. All right, thank you, Tony.

Council Member Olsen said first of all, mayor, I want to wish everybody a very happy holiday season, and a Merry Christmas, too, it's almost here, and it seems like just yesterday it was January. I don't know how we got here, the time just flew by, but it's been a really good year, and I'm looking forward to more good things to come in 2025 for the City of Cottage Grove.

I also want to take a moment to thank the Cottage Grove Lions Club and Cottage Grove Beyond the Yellow Ribbon team for their contribution to the Adopt a Child event that we held at Target this past Saturday. It's an annual event where we come together and we shop for people who are in need, and with Beyond the Yellow Ribbon involved, that includes a lot of veterans and military families in our community. The combined efforts of those two clubs made some Christmas wishes come true for 100 individuals, who might not otherwise have had that opportunity. It's always just astounding to me how generous people can be with their money, their time, their energy, their enthusiasm. We did a lot of shopping, and I'm not going to share the number with you as far as dollars spent, but it was significant; but I think what was more important is afterward, we all went to the VFW and we spent a good two-to-three hours wrapping gifts, trying to make sure that when these families receive their gifts that it is a momentous occasion. I want to compliment Chief Koerner for bringing his wife, Kristin, to wrap because she's an expert and he is not and neither am I, so between my wife, Kim, and his wife, Kristin, they did just a magnificent job.

The last thing I want to talk about is my Council Member colleague to my right, Council Member Khambata. Very kind words from you, Tony, very nice, and thank you for those, but I hope you understand the degree of respect that we all have for you, and from a personal standpoint, how great it's been to work with you as a colleague. I watched you as Chair of our Planning Commission, and one of the things that we kind of do sometimes is we sort of assess the talent, right? And we look at the various commissions and we see people who are sort of standouts, and you were always one of those. And, so, when you got the opportunity to join the City Council, similar to what you said about Monique, you jumped in with both feet, into the deep end. You're very courageous, and I want to reiterate what I mean by that: You are driven by what we should all be driven by, the North star should always be what is the right thing to do, not what is the easy thing to do, what is the most politically advantageous thing to do, but what is the right thing to do. What is the right thing to do short term, what is the right thing to do long term, and you've never shied away from that. You bring a lot to the table, and I'm grateful for having had the opportunity to work with you. I have no doubt in my mind that you will continue to be an integral part of the way that the City of Cottage Grove goes about doing its business, whether that's as a commission member, as an advisor, or as a very-engaged citizen, or probably all of the above. So, thank you for everything you've done for this community. I often mention to people one of the reasons our City Council is successful is because we genuinely like and respect each other; that does not mean we don't argue because we do, but when we argue, we tend to argue behind closed doors, we come to consensus, and when the consensus has been reached, the conversation is over. We do what needs to be done, and then we move forward, but we do so respectfully, and I hope you and your family know how much we genuinely have come to like and respect you all. And, Crystal, thank you for sharing him with us because it's not easy when you've got three kids at home, I know that, so we've been blessed, and you're a big part of that. So, best to you and your family, I know you're not moving out of town or anything, but I just want you to know that you've left an indelible mark on this City, you should be proud of that. Council Member Khambata said thank you, Justin.

Council Member Thiede said so, usually what happens is that Justin is so eloquent with his talks and so forth, he's covered a lot of things that I was going to cover, too. But I do want to say that one of the qualities I think for quite a few years here we've had as a Council is number one, it really is not political; there's a little politics in everything, but I can tell you right now if it got too political, I'd be out because I don't like politics, the intense politics. I'd go crazy and they wouldn't like me up in St. Paul or anything like that, so I'm very comfortable right here where I am. And Tony fit right into that, and like Justin says, we don't always agree on things and so forth, but we all respect each other and really kind of get down to discussing things and working together to do what is best for the City, at least that's one of the things I think we believe. Over the years here, we have some longevity on the Council, I think because for the most part people in the City see that, and I think that's a communication back to us, too, that we're pretty much headed in the right direction; and it's very important to have the right staff and everything else like that to be able to do that, too. And I think Justin and Myron can attest to the fact that back in kind of the early 2000s, it certainly wasn't that way, there was a lot that was different; and so, I think it's been kind of molded in pretty good, and I'm looking forward to Dave Clausen getting on and kind of fitting in with the rest of us, and again, not always agreeing because we don't always agree, but we respectfully voice our opinions and work together to make things happen. So, and Tony's just down around the corner; in fact, I've got to walk past Dave's house to get to Tony's house, and then Justin's not too far away, either, but I guess it's kind of weighted toward that end of the City, I guess. So, I'm sure that he'll be, we'll make sure he keeps involved.

And I'm just also going to say that we'll have to see how, all the weathermen are excited, right? Because this is kind of the biggest storm that potentially is coming. And my phone, I don't know if it's Google or the weather apps almost knocked me off my chair earlier today when they announced this Severe Winter Weather Alert because it's this loud alert, and it's like holy cow. So, we'll see whether all this excitement is warranted or not, but do be careful, be considerate, so that we all make it to Christmas and beyond and look forward to a wonderful 2025.

Mayor Bailey said so, I have three things:

The first is more of an official nature, I need to make sure the public knows that after our last City Council Meeting, after the Council Meeting was completed, we did a performance evaluation of our City Administrator, Jennifer Levitt. Part of the process of that is we have to report back that the performance appraisal was very good, we were very happy with Jennifer's performance as our Administrator for the City of Cottage Grove. We were able to share our thoughts, and she was able to share her thoughts and looking forward in the City. So, on behalf of the Council, I just want to mention thank you for your many years of great service to us and many years to come.

Next, my second item, our County Commissioner, Karla Bigham, who is a resident here in Cottage Grove, also would like to present something to our esteemed Council Member.

Commissioner Bigham said thank you, Mayor and Council and audience, I'm the County Commissioner and I do live in Cottage Grove. I just wanted to say to retiring Council Member Khambata it's been a joy to get to know you and your family, and I have a Commissioner's Service Award from Washington County, and it says: *On behalf of a grateful County, the undersigned commissioner hereby extends recognition and appreciation to Tony Khambata, Cottage Grove City Council Member, for two years of outstanding service and support of Washington County's mission.*

So, I just wanted to thank you for your years of service, but I've really enjoyed your expertise on housing, that's been helpful to me in my role, as County plays a major role in that, but also social services and different things that we've had a lot of conversations about. Again, I've just really enjoyed getting to know your family and getting to know you. So, thank you so much for your service, and I know that this isn't the end of it. So, thank you. Everyone applauded, and Commissioner Bigham presented Council Member Khambata with the award.

Mayor Bailey said all right, now it comes down to me; you know me, I have notes because I'm one of these people that keeps forgetting things, like maybe it's coming with age, I don't know, Dave. Council Member Thiede said yeah, it does. So, I wanted just to recap a little bit of my partner down to the right here, Council Member Khambata. Obviously, this evening, we are celebrating his outstanding service to the citizens of Cottage Grove and being a great member of the Cottage Grove City Council. Tony is a lifelong resident of Cottage Grove, and he has been a longstanding dedicated member of our community, not even just being on the Council, but as Council Member Olsen was mentioning earlier, the Planning Commission and so on. So, since 2017, he has served on the

Cottage Grove Planning Commission and actively contributed as a Member Ambassador to the Cottage Grove Area Chamber of Commerce, where he has been involved with them since 2016. Tony's commitment to our City extends beyond the Council Chambers, as Vice Chair of the St. Paul Association of Realtors' Government Affairs Committee, and a member of both the St. Paul and Stillwater Area Chamber of Commerce, he has worked tirelessly to improve our local economy and our quality of life. He played a key role in working with NorthPoint in expanding the Business Park, while also advancing affordable housing initiatives and supporting projects like the Interim PFAS Water Treatment Facilities that were built here in Cottage Grove. Throughout his time on the City Council, Tony has maintained a perfect attendance record, and this is rare, I must say, attending 131 Special, Closed, and Regular Meetings, showing his unwavering dedication to serving the people of Cottage Grove. That alone is worthy of special recognition and praise. Tony's leadership also helped the City achieve a AAA Bond Rating with implementing a comprehensive ten-year Financial Management Plan, which I know my partner to the left here likes, too, and supporting numerous critical housing projects in our community, especially around affordable housing. His background as a licensed real estate broker in both Minnesota and Wisconsin, combined with the experience in the industry, has been instrumental in achieving local development and economic growth here in Cottage Grove. A big one here, a proud graduate of Park High School, he's got his PHD. Tony's roots are in Cottage Grove and they definitely run deep here. He has raised his family here, Crystal is in the audience with us. A fun fact, and this is funny, though I don't know the end part that was shared on here was accurate or not, but he's been a mechanic in his past; because he was a mechanic in his past, on one of the events that we had during Night to Unite, one of our fire trucks broke down, and our Council Member, Tony, crawled under the fire truck and actually fixed the fire truck so that we could get it up and running again. So, that was pretty amazing. We all have those things that happen, and Tony, you're a part of that. Tony, your dedication, your hard work, your passion for this community is unwavering. You have left a lasting impact in our community, and I don't think, as you're hearing from many of us up here that it's over, and you know that because we've talked about other roles for you to play within the City of Cottage Grove. I just want to say on behalf of all the citizens of Cottage Grove, we all thank you, our Council, our staff thanks you for all the dedication and support. Crystal, thank you, for giving him up many, many, many nights. As we all know, a lot of people think that this is just a first and third Wednesday of the month kind of thing, and it's way more than that. And we also know this, too, is we don't do this job for the money, we do it because we love the community, and that's what you do, too; so, you want to make this place a better place for your family and other families here in Cottage Grove. So, what I'd like to do is I'm going to present you with a plaque, and Mayor Bailey read it aloud: *Presented to Council Member Tony Khambata in appreciation for your dedicated service to the City of Cottage Grove from the City of Cottage Grove.* So, again, on behalf of all of us, Tony, thank you for your service to our community. Everyone applauded.

Mayor Bailey presented him with the plaque, and a photograph was taken of Council Member Khambata with Mayor Bailey and the other Council Members.

Council Member Khambata said if you had told me there were going to be 131 meetings when you asked me to join. Mayor Bailey said we never tell you that, don't scare the guy in the audience away.

Mayor Bailey said one last thing I'm going to say, and this is more from a general sense, we've talked a lot about what we do on the Council and some of us with more years of service doing it than others, but one of the interesting things is social media can be good and it also can be bad. So, I do find it interesting there were some people on social media who think we're all a bunch of friends that have known each other for years; to be quite frank, that's completely not true. I had no idea who you were until you got appointed to the Planning Commission, and the same with Dave and the same with Council Member Olsen. So, it is just interesting how over the years, or I'll even say our County Commissioner Karla Bigham, when we both ran for Council the very first time; so, I just thought it was great and again appreciate all the dedication and support that you've given to our community.

Just for the public to be aware, after we leave this Council Chambers here and close out this meeting, we are having a reception for Council Member Khambata and obviously his wife and staff, and that will be down at the River Oaks Golf Course & Event Center. So, there were invitations that were sent out, so we will all celebrate the years of service of Tony and his family down at River Oaks after this.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS - CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Council Member Khambata said first of all, thank you for all the kind words; I told Karla I might cry, and I still might. And I just want to end on one final note, which is as I've told the guys down at Public Works many times, everything that we see and touch in this City runs through Public Works and Parks. So, tomorrow and Friday and Saturday and Sunday, when the roads are clear, go hug your plow driver.

Motion by Council Member Khambata, second by Council Member Thiede, to adjourn the meeting at 8:26 p.m.
Motion carried: 4-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk.



City Council Action Request

7.D.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title City Council Regular Meeting (2025-01-08)

Staff Recommendation Approve the January 8, 2025, Regular Meeting Minutes.

Budget Implication

Attachments	1. 2025-01-08 City Council Meeting
--------------------	------------------------------------

COTTAGE GROVE CITY COUNCIL

12800 RAVINE PARKWAY SOUTH

COTTAGE GROVE, MN 55016

COUNCIL CHAMBERS - 7:00 P.M

January 8, 2025

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on January 8, 2025, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey-Here; Council Member Clausen-Here; Council Member Garza-Here; Council Member Olsen-Here; Council Member Thiede-Here.

Also present: Jennifer Levitt, City Administrator; Tammy Anderson, City Clerk; Karla Bigham, Washington County Commissioner; Ryan Burfeind, Public Works Director; Zac Dockter, Parks and Recreation Director; Pete Koerner, Public Safety Director; Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Gretchen Larson, Economic Development Director; Brenda Malinowski, Finance Director; Emily Schmitz, Community Development Director; Dan Schoen, Public Safety Sergeant.

4. OPEN FORUM

Mayor Bailey opened the Open Forum. As no one wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Motion by Council Member Thiede to approve the agenda; second by Council Member Garza. Motion carried: 5-0.

6. PRESENTATIONS

- A. 1st Order of Business: Oath of Office - Mayor Myron Bailey, City Council Member Justin Olsen, City Council Member Monique Garza, City Council Member David Clausen
Staff Recommendation: Receive Oath of Office.

Mayor Bailey stated our 1st Order of Business is the Oath of Office. Our County Commissioner, Karla Bigham, is going to start that process with us, and then I'll ask my grandson, Easton, to come up and hold the mic.

Commissioner Bigham read aloud the Oath of Office and Mayor Myron Bailey raised his right hand and repeated it after her. Commissioner Bigham congratulated Mayor Bailey and everyone applauded.

Commissioner Bigham asked Council Member Monique Garza to raise her right hand, she read aloud the Oath of Office to Council Member Garza, which Council Member Garza repeated. Commissioner Bigham congratulated Council Member Garza and everyone applauded.

Commissioner Bigham read aloud the Oath of Office and Council Member Justin Olsen repeated it after her. Commissioner Bigham congratulated Council Member Olsen and everyone applauded.

City Administrator Jennifer Levitt asked Council Member David Clausen to raise his right hand and repeat the Oath of Office after her, which he did. Administrator Levitt congratulated Council Member Clausen and everyone applauded.

Mayor Bailey, Council Member Garza, Council Member Olsen, Council Member Clausen each signed their Oath of Office certificate after they took their Oath of Office.

Photographs were taken of Mayor Bailey with his family and friends, after which photographs were taken of Council Member Garza and her family, and Council Member Clausen and his wife. A group photo of Mayor Bailey and the City Council Members, including Commissioner Bigham and Administrator Levitt, was also taken.

Mayor Bailey thanked all of the family members who were present for being here tonight for this awesome celebration, and officially welcomed Council Member Clausen to the Council. Council Member Clausen replied thank you, mayor.

7. CONSENT AGENDA

- A. Approve the November 20, 2024, City Council Special Meeting Minutes.
- B. Accept and place on file the minutes of the November 25, 2024, Planning Commission meeting.
- C. Appoint Khambata and Latack to fill two vacant positions on the Economic Development Authority Board.
- D. Adopt Resolution 2025-008 authorizing renewal of business licenses for 2025.
- E. Approve the issuance of rental licenses to the properties listed in the attached table.
- F. Adopt the 2025 Legislative Agenda.
- G. Approve the Accelerated Firefighter/Paramedic Recruitment Program agreement for Jordan Barry.
- H. Approve Resolution 2025-002, Designating Depositories of City Funds and Authorizing the Investment of Surplus Funds.
- I. Approve Resolution 2025-003, Delegating authority to pay certain claims and allowing electronic fund transfer transactions.
- J. Approve Resolution 2025-004, Declaring the official intent of the City of Cottage Grove to reimburse certain expenditures from the proceeds of bonds to be issued by the City.
- K. Adopt Resolution 2025-005, Approving the public purpose expenditure policy for 2025 as presented.
- L. Approve the FROST Solutions agreement and lease in the amount of \$6,000.
- M. Approve the annual software subscription with Deckard Technologies, Inc. in the amount of \$3,500.
- N. Adopt Resolution 2025-001, Authorizing execution of sub-grant agreement with the Division of Homeland Security and Emergency Management in the Minnesota Department of Public Safety for hazard mitigation assistance.
- O. Authorize executing agreement for professional services with LEAST Services.
- P. Authorize service agreement with Flagship Recreation, Inc. for the purchase and installation of playground equipment at Hardwood Park for \$71,343.27.
- Q. Authorize service agreement with Webber Recreational Design, Inc. for the purchase and installation of playground equipment at Belden Park for \$65,000.
- R. Authorize the Mayor and City Clerk to sign the Land Surveyor's Certificate of Plat Correction for Glacial Valley Estates 2nd Addition.
- S. Approve Change Order #3 in the amount of \$666,887.87 for the Low Zone Water Treatment Plant project, increasing the current contract amount from \$39,595,808.33 to \$40,262,696.20.
- T. Approve Change Order #4 for the Utility and Engineering Building in the amount of \$63,573.23.
- U. Adopt Resolution 2025-007, Authorizing payment in the amount of \$27,773.27 to Rice Lake

Construction Group for the final payment for Wells 2 & 7 Interim Water Treatment Plant Project.

- V. Adopt Resolution 2025-006, Approving the Interim Conditional Use Permit at 10870 Ideal Avenue South to allow for the continuance of existing site operations until such time any adjacent property use is proposed which aligns with the guided Land Use in the Comprehensive Plan, or the term limit expires on January 8, 2035, whichever comes first.

None of the Council Members wished to pull any items on the Consent Agenda for further comment and/or discussion.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Garza.

Motion carried: 5-0.

8. APPROVE DISBURSEMENTS

- A. Approve disbursements for the period of 12-13-2024 through 1-02-2025 in the amount of \$5,701,598.66.

Motion by Council Member Olsen to approve disbursements; second by Council Member Clausen. Motion carried: 5-0.

9. PUBLIC HEARINGS - None.

10. BID AWARDS - None.

11. REGULAR AGENDA

A. Commission and Committee Appointments

Staff Recommendation: Approve the 2025 Commission and Committee Appointments as presented.

Mayor Bailey explained this is the annual appointment of the Council to various City Commissions or Committees. Per City Code, this must be done at or before the first Council Meeting of the year; so, he'd asked the Council Members if there were specific committees or commissions for which they wished to be a liaison. He read aloud the following appointments:

Commission/Committee/Position

Mayor Pro Tem
Beyond the Yellow Ribbon
Cottage Grove Chamber of Commerce
Cottage Grove Convention and Visitors Bureau
East Metro Strong
Economic Development Authority
Great River Rail Commission
Historic Preservation Advisory Committee
Holiday Train Committee
Investment Committee
Parks, Recreation, and Natural Resources Commission
Planning Commission
Public Services Commission

2025

Council Member Garza
Council Member Olsen
Mayor Bailey
Council Member Olsen
Council Member Clausen
Mayor Bailey/Council Member Olsen
Council Member Garza
Council Member Thiede
Mayor Bailey
Council Member Thiede/Council Member Clausen
Council Member Clausen
Council Member Olsen
Council Member Thiede

Commission/Committee/Position

2025

Red Rock Corridor Commission

Council Member Garza

South Washington County Telecommunications Commission

Council Member Thiede/Alternate C.M. Clausen

South Washington Watershed District

Council Member Clausen

Strawberry Festival Committee

Council Member Thiede/Alternate C.M. Clausen

Motion by Council Member Olsen to approve the 2025 Commission and Committee Appointments as presented; second by Council Member Garza. Motion carried: 5-0.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Garza said first, I just want to say Happy New Year to everyone; it's starting off to be a really wonderful New Year! We don't have any snow, so that's good. I don't mind the cold weather as long as we're sliding around.

It looks like we have some really fun things happening at River Oaks coming up in January and February, so I just want to mention a couple of things that are happening: We have the Francis Ford Coppola Director's Cut Wine Dinner on January 16, it sounds like it will be a lot of fun. I know the Dueling Pianos are always a pretty big one here, and that's on February 21 at 5:30. So, it looks like some fun things are happening at River Oaks, so if you have some time, go check that out.

Also, with Parks and Rec, Park Boys' hockey team vs. East Ridge will be on January 16, so that will be a lot of fun at the Cottage Grove Ice Arena. Mayor Bailey stated I'll just add that you probably want to get your tickets early for that game because it does sell out.

Council Member Thiede stated I'd just like to mention about Strawberry Fest, we're obviously still actively planning for that, and the intensity starts to build at this point for the festival in June. We can still use a lot of input and help. Typically, our meetings are on the first and third Monday of the month at Carbone's, in their back room. We'd definitely like to have anybody who would like to have fun, come by and help us out and give us some input.

I'll also mention, since I'm on the Historic Preservation Advisory Committee again, that we're always looking for people who have interesting information and stories, etc. about the City of Cottage Grove and development and different things like that to contribute. So, if you ever have any input and if you like that sort of thing, by all means we'd love to have your input, and we're looking at a variety of different ways to document some of that sort of stuff in some fun and meaningful ways. We're always looking for input on those kind of things also.

Council Member Olsen stated first and foremost, I want to congratulate my colleague, David Clausen, on his election to the City Council and his swearing in this evening. It'll be fun to work with Dave, he brings a lot of knowledge and experience from his time as an employee with the City that will be invaluable to the work that the City Council does. So, congratulations, Dave. Council Member Clausen replied thank you.

Secondly, I just wanted to take a moment to remind people that with the turn of the new year, we will have some commission openings that will be available in February; for those who currently serve on some of our volunteer advisory commissions, those terms tend to expire after the end of January of the new year. So, we may have some commissioners who choose to move on as they've done their duty, and it's something they want to give somebody else the chance to do. Sometimes people actually time out, where they've served several different terms and they need to take a one-year break before they're able to reapply. So, if you're interested in serving on any of our City's volunteer commissions, and you heard the mayor talk through the various liaison appointments, so you can definitely see that there are several opportunities. Now would be a great time to get in your application, and if you're interested in applying, you can go to the City's website where the application is available. If you have any trouble, please reach out to your Council Member or any of our City staff members, and we'd be happy to walk you through how you make that application come to life. You do have the opportunity when you do that to select in order of preference which commissions on which you may want to serve. It's a great time to do that, if you've ever thought about it, I highly encourage it. It's a good way to learn about your community.

Council Member Olsen said the last thing I want to mention is I know that the Park and Rec Department has been working very, very hard to get the outdoor ice rinks up and running. We've had a little bit of a weather challenge here for the last month or so, but I know people have been out skating, especially over the weekend with the cold snap that we had late last week and through the weekend has really helped. I personally have had a lot of very positive feedback from people I know, who are very excited to get out and use our new ice surfaces in the parks, especially Glacial Valley. It seems like everybody wants to get over to Glacial Valley. So, kudos to the Park and Rec Department, I know it took you guys a while, but you made a lot of residents really happy, thanks for that.

Mayor Bailey asked Council Member Clausen if there was anything he wanted to add.

Council Member Clausen said first of all, I want to thank the City staff and Jennifer; the staff has been very welcoming, and any 'Why?' questions I ask, they're answering, so thank you so much. Thank you to the Council and Mayor, you've been most gracious and inviting and welcoming me into the group. Thank you to the voters, you've entrusted us with a lot of responsibility, and we're going to serve you well.

Most importantly, I want to thank my wife, Jane, and my daughter, Ellee, for putting up with me; it was earlier this summer I said, 'Hey, I think I'm going to run for City Council,' and she said, 'You're going to do what?' Anyway, thank you so much, I love you, thanks for all of your support. Thank you.

Mayor Bailey said fantastic, and thank you for giving him up and sharing him with us.

Mayor Bailey said I want to thank my friends and family that were here because sometimes we get, there are good things like you said and the positive comments, but there are also the beat ups every once in a while; and so, sometimes our spouses and family have to kind of bite their tongues a bit. So, we do know it's as much of a job, so to speak, for us up here, as well as it is for the families back at home.

Mayor Bailey said the only other thing I'm just going to mention, we've already talked about everybody kind of giving each other a welcome at the Council table here. Earlier this evening, just for the public to be aware, we had a workshop session with our State Senators and Representatives and our County Commissioner, Karla Bigham. The purpose of that is kind of talking through what we call our legislative priorities for the City of Cottage Grove. In doing so, our purpose of that is to really highlight what are some of the big things that we are looking for support from our State level. I'll just give the first one, as an example, funding so that we can finally get 100th Street under construction, which will be the extension of 100th Street over to Highway 61. We've been slowly gaining the money in order to make that project become reality, amongst other things, but I just want to thank our local legislative team and our County Commissioner for their immense support and their comments to us today that sounded very positive about whatever they can do. We all know there's a lot of angst and a little anxiety and animosity happening, both at the State level but also at the Federal level. So, hopefully, all of our different parties and people will be able to get together, work together, and do what's right for the citizens of both the City of Cottage Grove, the State of Minnesota, and obviously, from a national basis, the United States of America.

So, with that, if there's nothing else from a Council perspective, I'll mention that #13 is Workshop, Open to the Public, and we do not have one this evening; #14 is Workshop, Closed to the Public, and we do not have one this evening. So, we're down to adjournment; Mayor Bailey asked Council Member Clausen if he would like to make the motion.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS - CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Motion by Council Member Clausen to adjourn, second by Council Member Olsen, to adjourn the meeting at 7:23 p.m. Motion carried: 5-0. Mayor Bailey said we are adjourned and thanked everyone for coming here tonight.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk.



City Council Action Request

7.E.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	Temporary Single Occasion Gambling Permit - Accacia Lodge No. 51		
Staff Recommendation	Authorize issuance of a single-occasion gambling permit to David Gene Martin, on behalf of the Accacia Lodge No. 51, to conduct a raffle at 11094 70th Street South on October 4, 2025.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Memo - Accacia Gambling Permit</td></tr></table>	1.	Memo - Accacia Gambling Permit
1.	Memo - Accacia Gambling Permit		

To: City Administrator Jennifer Levitt

From: Director of Public Safety Peter J. Koerner

Date: January 8, 2025

Subject: **GAMBLING LICENSE APPLICATION - TEMPORARY**

INTRODUCTION

Under State Statutes, four types of nonprofit organizations are eligible to conduct lawful gambling in Minnesota (fraternal, religious, veteran, and other nonprofit) and most events, with the exception of certain raffles, require obtaining either an exempt or an excluded permit from the Minnesota Gambling Control Board. Permits issued by the Minnesota Gambling Control Board require approval of the local government authority where the event will be held.

The Public Safety Department investigates single-occasion gambling permit applications and provides the City Council with a recommendation on whether a permit should be issued. If the City Council authorizes issuance of a permit, the City Clerk signs off on the application and forwards it to the Minnesota Gambling Control Board or issues the permit itself if none is required by the Gambling Control Board.

BACKGROUND

Pursuant to City Ordinance, David Gene Martin, on behalf of the Accacia Lodge No 51 has submitted an application for a Temporary Single Occasion gambling permit, to conduct a raffle, to be held at Accacia Lodge No 51, 11094 70th Street South, Cottage Grove, MN 55016 on October 4, 2025, at 6:00pm. The Department of Public Safety is required to conduct a police investigation of the applicants.

DISCUSSION

The application as submitted is complete, in compliance with our ordinance and is exempt from the licensing requirements of the Minnesota Charitable Gambling Control Board.

We have investigated the applicants and have not found any facts which would constitute a basis for denial of this application, under the provisions of the City's Gambling Ordinance.

RECOMMENDATION

Recommend that the City Council approve the single occasion Gambling Permit application for the Accacia Lodge No 51.



Peter J. Koerner – Director of Public Safety

1/8/2025



City Council Action Request

7.F.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	Massage Business and Massage Therapist License - Savannah Marie Koenig		
Staff Recommendation	Authorize issuance of a massage business license and massage therapist license to Savannah Marie Koenig at the location of Salons by JC (7240 East Point Douglas Road South Suite 160 #36).		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Public Safety Memo</td></tr></table>	1.	Public Safety Memo
1.	Public Safety Memo		



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Tammy Anderson, City Clerk

DATE: January 22, 2025

RE: Massage Business and Massage Therapist License - Savannah Marie Koenig

Discussion

On January 3, 2025, Ms. Savannah Koenig submitted an application to operate a massage therapy business and to be licensed as a massage therapist within the City of Cottage Grove. The proposed business location is Salons by JC (7240 East Point Douglas Road 160 #36).

Background Investigation:

The Public Safety Department conducted a thorough background investigation of Ms. Koenig. The investigation revealed no information that would warrant denial of her application.

Professional Licensing:

- **MN Department of Health:** A search of the MN Department of Health Office of Unlicensed Complementary and Alternative Health Care Practice records did not reveal any disciplinary actions against Ms. Koenig.
- **Education Verification:** The City of Cottage Grove requires official proof of education/certification from the relevant institution. Ms. Koenig's educational records were successfully received from St. Paul College, confirming completion of her massage therapy program.

Educational Requirements Compliance:

Ms. Koenig's education meets the City of Cottage Grove's licensing requirements, as outlined in City Code:

- **Option 1:** Graduation from an accredited institution: Ms. Koenig graduated from St. Paul College, an accredited institution.
- **Option 2:** Passing relevant national examinations: Not applicable in this case.

Based on the findings of the background investigation, the verification of Ms. Koenig's education, and the absence of any disciplinary actions, the City of Cottage Grove has determined that Ms. Koenig meets the necessary requirements for a massage therapist license.

Recommendation

Authorize issuance of a massage business license and massage therapist license to Savannah Marie Koenig at the location of Salons by JC (7240 East Point Douglas Road South Suite 160 #36).

Attachments

1.	Public Safety Memo
----	--------------------



To: Director of Public Safety Peter J. Koerner
From: Detective Sergeant Justin Henseler
Date: January 7th, 2025
Subject: Massage Therapist & Business License Application

APPLICANT

Savannah Marie Koenig
7128 Timber Crest Dr. S.
Cottage Grove, MN 55016

PLACE OF APPLICATION

Salon by JC
7240 East Point Douglas Rd. S. Suite 160 #36
Cottage Grove, MN 55016

BACKGROUND

On January 3rd, 2025, Savannah made an application with the City of Cottage Grove, to operate as a licensed massage therapist, at the business, Salon by JC, at the address of 7240 East Point Douglas Road South Suite 160 #36, Cottage Grove, MN 55016. The application was submitted containing her Minnesota Certificate of Compliance, a Certificate of Insurance, Associated Bodywork & Massage Professionals (ABMP) Membership Confirmation, Lease Agreement at Salons by JC, and a copy of Savannah's school transcripts from Saint Paul College.

CRIMINAL/POLICE CONTACT

The applicant has signed a City of Cottage Grove general authorization and release of private data form. As such, we have completed a complete criminal history background check utilizing BCA, MGA, CLEAR, and OSINT. I was unable to find any history of criminal case records, pertinent civil courts records, or judgments and liens for Savannah.

Upon running the attached copy of the Minnesota DL that was provided, it showed a regular class D License with no restrictions. The license returned as being clear and valid. The signature on Savannah's DL appeared to be consistent with the signatures on the submitted paperwork. I observed that Savannah had two driving convictions out of Wabasha, MN dated 07/16/2010 and 10/21/2012.

CERTIFICATION

Savannah provided a photocopy of her school transcripts from Saint Paul College – A Community and Technical College with her application. I was able to find that this school is an accredited school through the U.S. Department of Education website (<https://ope.ed.gov/dapip/#/home>) based on the requirements within Cottage Grove City Ordinance 3-1-2. I spoke with Savannah about obtaining a copy of her Massage License/Certificate and she stated that she had graduated December 16th, 2024, and has not received a copy yet.

I did check <https://www.health.state.mn.us/facilities/providers/compalt/dispaactions.html> and did not find any disciplinary actions taken against Savannah.

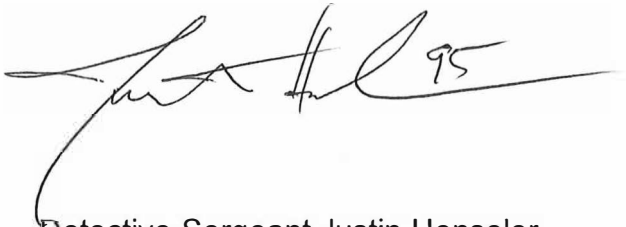
CONCLUSION

I did not find any negative comments or posts on Savannah's social media. There are no negative comments or mention of Savannah in the Complementary and Alternative Health Care Practice Disciplinary Actions website.

This concludes my background investigation for this applicant working in the position of Massage Therapist and having a Massage Business in the City of Cottage Grove.

As previously noted, Savannah is a recent graduate and has not yet received a copy of her Massage Certificate and/or License. Her transcripts from Saint Paul College indicate that she has all the required credits to graduate and obtain a Massage License. I did not find any other discrepancies that would disqualify her from meeting the requirements set forth in the Cottage Grove City Ordinance 3-1-2.

It is my recommendation that this application for Massage Therapist and Massage Business be approved based on my findings.

A handwritten signature in black ink, appearing to read "Justin Henseler" with a stylized flourish at the end.

Detective Sergeant Justin Henseler
Background Investigator



City Council Action Request

7.G.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	Authorize entering into an agreement with Judith Graf for transcription services for 2025.		
Staff Recommendation	Approve the agreement with Judith Graf for transcription services for 2025.		
Budget Implication	Included in the 2025 Budget. Public Safety - \$4.00 per audio minute (Public Safety phone calls) & \$5.00 per audio minute (STAT); City Council and Board Meetings (Meetings held in Council Chambers) - \$165 hourly rate; Meetings held outside of Council Chambers - \$330 hourly rate.		
Attachments	<table border="1"><tr><td>1.</td><td>Agreement for Professional Services 2025 - Judith Graf (Transcriptionist Services)</td></tr></table>	1.	Agreement for Professional Services 2025 - Judith Graf (Transcriptionist Services)
1.	Agreement for Professional Services 2025 - Judith Graf (Transcriptionist Services)		



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Tammy Anderson, City Clerk

DATE: January 22, 2025

RE: Authorize entering into an agreement with Judith Graf for transcription services for 2025.

Discussion

Ms. Graf has provided valuable transcription services to the City of Cottage Grove for an extended period. These services encompass the transcription of minutes from various City boards and commissions, including the City Council, Economic Development Authority, Convention and Visitors Bureau, Planning Commission, and Public Services Commission. Additionally, Ms. Graf transcribes Public Safety statements and phone calls.

Transcription Services:

City Council and Board Meetings:

- Video-Recorded Meetings: Meetings held in the Council Chambers and video-recorded by SWCTC will be billed at a rate of \$165 per audio hour.
- Non-Video-Recorded Meetings: Meetings held outside the Council Chambers without video recording will be billed at a rate of \$330 per audio hour.

Public Safety:

- Phone Calls: \$4.00 per audio minute.
- STAT Transcription Requests or Audio Files with Multiple Speakers: \$5.00 per audio minute, requiring a certificate of accuracy.

Ms. Graf's compensation for meetings held outside the Council Chambers without video recording is adjusted to reflect the increased time and complexity associated with these transcriptions. City staff will continue to collaborate with Ms. Graf to ensure the efficient and effective delivery of transcription services. This includes providing necessary materials and documentation to facilitate her work.

This agreement outlines the terms for transcription services with Ms. Judith Graf for the 2025

fiscal year. City staff are appreciative of Ms. Graf's dedication and the high-quality services she provides to the City of Cottage Grove.

Recommendation

Approve the agreement with Judith Graf for transcription services for 2025.

Attachments

1.	Agreement for Professional Services 2025 - Judith Graf (Transcriptionist Services)
----	--

AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT (“Agreement”) is made and executed this 1st day of January, 2025, by and between the City of Cottage Grove, 12800 Ravine Parkway South, Cottage Grove, Minnesota 55016, (“City”) and Judith Graf, P.O. Box 432, New Richmond, WI 54017-0432 (“Consultant”).

WHEREAS, the City has accepted the proposal of the Consultant for certain professional Services; and

WHEREAS, Consultant desires to perform the Services for the City under the terms and conditions set forth in this Agreement.

NOW THEREFORE, in consideration of the mutual consideration contained herein, it is hereby agreed as follows:

1. SERVICES.

- a. City agrees to engage Consultant as an independent contractor for the purpose of performing audio transcription services (“Services”) for the City. Consultant agrees to provide the following services:
 - i. Verbatim transcription of all digital audio files provided to Consultant by the City.
 - ii. Upon request, Consultant shall provide an official certification as to the accuracy of the transcription.
- b. Consultant covenants and agrees to provide Services to the satisfaction of the City and in a timely fashion, subject to Section 7 of this Agreement. At the time a request for transcription services is made by the City, the City and Consultant shall agree upon a completion and delivery date for the transcript and the format in which the transcript must be prepared.

2. PAYMENT.

- a. City agrees to pay and Consultant agrees to receive and accept payment for Services as set forth in this Agreement at the following rates:
 - i. \$4.00 per audio minute transcribed for Public Safety Department statements and telephone calls.
 - ii. \$5.00 per audio minute transcribed for STAT transcription requests or audio files where two or more people speak throughout the audio

recording and requires a certificate of accuracy of the transcription. STAT transcriptions require a turnaround time of less than twelve (12) hours.

- iii. \$165.00 per audio hour transcribed for City Council, Economic Development Authority, Convention and Visitors Bureau, Planning Commission, and Public Services Commission meetings.
 - iv. For any of the aforementioned meetings, which take place outside of the City Council Chambers (in the Training Room and/or Conference Room) for which there is no SWCTC video, the per audio hour rate will be \$330.00.
- b. Any changes in the scope of the work of the Services that may result in an increase to the compensation due the Consultant shall require prior written approval by the authorized representative of the City or by the City Council. The City will not pay additional compensation for Services that do not have prior written authorization.
 - c. Consultant shall submit itemized bills for Services provided to City on a monthly basis. Bills submitted shall be paid in the same manner as other claims made to City.
3. TERM. The term of this Agreement shall commence on the date written in the initial paragraph of this Agreement to December 31, 2025, unless terminated prior to that date pursuant to Section 4. This Agreement may be extended upon the written mutual consent of the parties for such additional period as they deem appropriate, and upon the same terms and conditions as herein stated.
4. TERMINATION.
- a. Termination by Either Party. This Agreement may be terminated by either party upon fourteen (14) days' written notice delivered to the other party to the addresses listed in Section 14 of this Agreement. Upon termination under this provision, if there is no default by the Consultant, Consultant shall be paid for Services rendered and reimbursable expenses until the effective date of termination.
 - b. Termination Due to Default. This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The non-performing party shall have fifteen (15) calendar days from the date of the termination notice to cure or to submit a plan for cure that is acceptable to the other party.

5. SUBCONTRACTORS. Consultant shall not enter into subcontracts for any of the Services provided for in this Agreement without the express written consent of the City. The Consultant shall pay any subcontractor involved in the performance of this Agreement within the ten (10) days of the Consultant's receipt of payment by the City for undisputed services provided by the subcontractor.
6. STANDARD OF CARE. In performing its Services, Consultant will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession in the same locality at the time the Services are provided. No warranty, express or implied, is made or intended by Consultant's undertaking herein or its performance of Services.
7. DELAY IN PERFORMANCE. Neither City nor Consultant shall be considered in default of this Agreement for delays in performance caused by circumstances beyond the reasonable control of the nonperforming party. For purposes of this Agreement, such circumstances include, but are not limited to, abnormal weather conditions; floods; earthquakes; fire; epidemics; war, riots, and other civil disturbances; strikes, lockouts, work slowdowns, and other labor disturbances; sabotage; judicial restraint; and inability to procure permits, licenses or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either City or Consultant under this Agreement. If such circumstances occur, the nonperforming party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of this Agreement. Consultant will be entitled to payment for its reasonable additional charges, if any, due to the delay.
8. CITY'S REPRESENTATIVE. The City has designated Jennifer Levitt to act as the City's representative with respect to the Services to be performed under this Agreement. She shall have complete authority to transmit instructions, receive information, interpret, and define the City's policy and decisions with respect to the Services covered by this Agreement.
9. PROJECT MANAGER AND STAFFING. The Consultant has designated Judith Graf to be the primary contact for the City in the performance of the Services. She shall be assisted by other staff members as necessary to facilitate the completion of the Services in accordance with the terms established herein. Consultant may not remove or replace the designated staff without the approval of the City.
10. INDEMNIFICATION.
 - a. Consultant and City each agree to indemnify, and hold harmless each other, its agents and employees, from and against legal liability for all claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are caused by its negligent acts, errors, or omissions. In the event claims, losses,

damages, or expenses are caused by the joint or concurrent negligence of Consultant and City, they shall be borne by each party in proportion to its own negligence.

- b. Consultant shall indemnify City against legal liability for damages arising out of claims by Consultant's employees. City shall indemnify Consultant against legal liability for damages arising out of claims by City's employees.
 - c. The obligations of this section, including the obligation to defend and indemnify the City, shall survive the termination of this Agreement and shall continue until the expiration of any applicable statute of limitations period.
11. OWNERSHIP OF DOCUMENTS. Professional documents, drawings, and specifications prepared by the Consultant as part of the Services shall become the property of the City when Consultant has been compensated for all Services rendered, provided, however, that Consultant shall have the unrestricted right to their use. Consultant shall retain its rights in its standard drawing details, specifications, databases, computer software, and other proprietary property. Rights to proprietary intellectual property developed, utilized, or modified in the performance of the Services shall remain the property of the Consultant.
12. EQUIPMENT. Consultant agrees to use her own computer hardware, router, and software programs and maintain an internet connection sufficient to perform the Services of this Agreement. Consultant's computer equipment must have automatically updating anti-virus and spyware protection software and active firewall protection. If any computer equipment owned by the Consultant must be repaired, all City data including digital audio files, transcribed documents, and connection configuration files, must be removed from the computer equipment prior to any repairs.

13. CONFIDENTIALITY.

- a. In order to perform the Services of this Agreement, City may disclose, and Consultant may be in possession of, certain information or data that is confidential. Confidential information means any data or information that is designated as not public by Minnesota statute or federal law applicable to the data. Consultant agrees to use any confidential information it receives solely in connection with the Services provided in this Agreement and not for any purpose other than as authorized by this Agreement or without prior written consent of the authorized representative of the City or City Council. All use of confidential information by the Consultant shall be for the benefit of the City and any modifications and improvements thereof by the Consultant shall be the sole property of the City. No other right or license, whether express or implied, in any confidential information is granted to the Consultant under this Agreement.
- b. To ensure the security of any confidential information in its possession, Consultant agrees to not discuss or share any confidential information verbally or

in any format with anyone other than the City. Consultant shall take the following security precautions when performing any Services under this Agreement:

- i. Use closed headphones when transcribing digital audio files.
 - ii. Keep all transcribed documents and digital audio files on a password protected computer with password protected files.
 - iii. Close all transcription programs, documents or files when temporarily away from the computer.
 - iv. Keeping any printed transcription documents in a secure location.
- c. Consultant shall return to the City or destroy all digital audio files, documents and transcripts thirty (30) days after the completion or termination of any individual project, termination of this Agreement or at such time as the City may request, whichever occurs first.

14. NOTICES. Notices shall be communicated to the following addresses:

If to City: City of Cottage Grove
12800 Ravine Parkway
Cottage Grove, MN 55016
Attention: City Administrator

Or e-mailed: jlevitt@cottagegrovemn.gov

If to Consultant: Judith Graf
P.O. Box 432
New Richmond, WI 54017-0432

Or emailed: jgraf@mnisp.com

15. INDEPENDENT CONTRACTOR STATUS. All services provided by Consultant, its officers, agents and employees pursuant to this Agreement shall be provided as employees of Consultant or as independent contractors of Consultant and not as employees of the City for any purpose.

16. GENERAL PROVISIONS.

- a. Assignment. This Agreement is not assignable without the mutual written agreement of the parties.
- b. Waiver. A waiver by either City or Consultant of any breach of this Agreement shall be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

- c. Governing Law. This Agreement shall be construed in accordance with the laws of the State of Minnesota and any action must be venued in Washington County District Court.
- d. Severability. If any term of this Agreement is found be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.
- e. Data Practices Compliance. Consultant agrees to abide by the applicable provisions of the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13, and all other applicable state or federal rules, regulations or orders pertaining to privacy or confidentiality. Consultant understands that all of the data created, collected, received, stored, used, maintained or disseminated by Consultant in performing those functions that City would perform as a government entity, is subject to the requirements of Chapter 13, and Consultant must comply with those requirements as if it were a government entity. This does not create a duty on the part of Consultant to provide the public with access to public data if the public data is available from the government entity, except as required by the terms of this Agreement.
- f. Entire Agreement. This Agreement constitutes the entire agreement of the parties and supersedes all prior communications, understandings and agreements relating to the subject matter hereof, whether oral or written.

THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK

CITY OF COTTAGE GROVE

By: _____
Myron Bailey, Mayor

By: _____
Tammy Anderson, City Clerk

Date: _____

CONSULTANT

By: _____
Judith A. Graf

Its: Consultant

Date: January 9, 2025



City Council Action Request

7.H.

Meeting Date 1/22/2025

Department Community Development

Agenda Category Action Item

Title Rental License Approvals

Staff Recommendation Approve the issuance of rental licenses to the properties listed in the attached table.

Budget Implication N/A

Attachments

1.	Rental License Approvals CC Memo
2.	Rental License Approvals Tables

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Samantha Drewry, Code Enforcement Officer

DATE: January 16, 2025

RE: Rental License Approvals

Background/Discussion

Rental licenses are required for nonowner-occupied residential properties (City Code Title 9-13, Property Maintenance, and Title 9-14, Rental Licensing) and are issued on a biennial basis. The licensing process includes submittal of the rental license application, payment of \$180, and public criminal history report. Rental inspections are conducted on all rental properties as part of the licensing process. Once all information has been submitted and the inspection satisfactorily completed, the Council must approve the license prior to it being issued.

The properties listed in the attached table have completed the licensing process and are ready to have their licenses issued following Council approval.

Recommendation

Approve the issuance of rental licenses to the properties in the attached table.

2025 RENTAL LICENSES
CITY COUNCIL APPROVAL - JANUARY 22, 2025

RENTAL LICENSE NUMBER	PROPERTY STREET #	PROPERTY STREET NAME	PROPERTY OWNER
RENT-001470	6869	98th Street South	Yana Lin
RENT-001515	8792	Ironwood Avenue South	Aamir Fareed
RENT-001535	8405	Greene Avenue South	Linda Patten
RENT-001544	8612	Indian Boulevard South	Rhonda Ott-Swenson
RENT-001591	6785	Pine Crest Trail South	Ken Blake
RENT-001612	8822	92nd Street South	Charles Kostecka
RENT-001642	6787	Pine Crest Trail South	Thepul Kudapanage
RENT-002592	7608	79th Street South	Xu Dai
RENT-002593	7634	79th Street South	Xu Dai
RENT-002594	9057	Jensen Avenue South	Linda Patten
RENT-002612	6839	Pine Crest Trail South	Brian Baca
RENT-002657	6714	Meadow Grass Lane S	Robert Bean



City Council Action Request

7.I.

Meeting Date	1/22/2025
Department	Administration
Agenda Category	Action Item
Title	Convention and Visitors Bureau Member Appointment - Khambata
Staff Recommendation	Appoint Tony Khambata to fill the vacant seat on the Convention and Visitors Bureau Board of Directors to a three-year term ending on 12/31/2028.
Budget Implication	N/A
Attachments	None



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Justin Olsen, Councilmember

DATE: January 22, 2025

RE: Convention and Visitors Bureau Member Appointment - Khambata

Discussion

This memo serves to recommend Mr. Tony Khambata for appointment to the vacant position on the Convention and Visitors Bureau (CVB) Board.

Mr. Khambata recently submitted an application for this position. I subsequently conducted an interview with him.

Mr. Khambata possesses a wealth of experience in civic service, having previously served on both the City Council and the Planning Commission. Notably, he also has prior experience serving on the CVB Board.

Given his extensive experience and demonstrated commitment to our community, I am confident that Mr. Khambata would be a valuable asset to the CVB Board.

I therefore enthusiastically recommend his appointment. Appointments to this body are for a three-year term.

Recommendation

Appoint Tony Khambata to fill the vacant seat on the Convention and Visitors Bureau Board of Directors to a three-year term ending on 12/31/2028.

Attachments

None



City Council Action Request

7.J.

Meeting Date 1/22/2025

Department Public Safety

Agenda Category Action Item

Title Non-criminal Justice Agency Joint Powers Agreement with the MN BCA

Staff Recommendation Approve and execute the non-criminal justice agency Joint Powers Agreement (NCJA JPA) with the Minnesota Bureau of Criminal Apprehension.

Budget Implication N/A

Attachments

1.	Non-criminal justice agency Joint Powers Agreement (NCJA JPA) with the BCA Council Memo
2.	Cottage Grove Fire Dept_ NCJA Background Check_ JPA Jan 2025



To: Honorable Mayor and City Council Members
Jennifer Levitt, City Administrator

From: Peter J Koerner, Director of Public Safety

Date: January 14, 2025

Subject: **JOINT POWERS AGREEMENT – NCJA WITH MN BCA**

Introduction

All entities and organizations that access state and federal criminal history record information (CHRI) through the Minnesota Bureau of Criminal Apprehension (BCA) must have an executed non-criminal justice agency Joint Powers Agreement (NCJA JPA) with the BCA. The attached agreement details various requirements of state and federal law addressing the access, transfer, usage, safeguarding, and destruction of criminal history data. This contract will bind both parties and is required for our agency to obtain and use criminal history record information.

Cottage Grove's City Attorney has reviewed the attached joint powers agreement and recommended approving as stated.

Recommendation

Approve and execute the non-criminal justice agency Joint Powers Agreement (NCJA JPA) with the Minnesota Bureau of Criminal Apprehension.



Joint Powers Agreement

State of Minnesota

Federal Background Checks

ORI – NCJMN0018
SWIFT Contract # 260642

This Agreement is between the State of Minnesota, acting through its commissioner of Public Safety on behalf of the Bureau of Criminal Apprehension ("BCA"), and the City of Cottage Grove on behalf of its Fire Department ("Governmental Unit").

Recitals

- 1 Under Minnesota Statutes § 471.59, the BCA and Governmental Unit are empowered to engage in such agreements as are necessary to exercise their powers.
- 2 The BCA is the State Identification Bureau for the State of Minnesota and is responsible for fingerprint identification services including submission of civil, fingerprint-based background checks to the Federal Bureau of Investigation ("FBI") subsequent to conducting Minnesota records checks.
- 3 The Governmental Unit has a state statute, Minnesota Statutes, § 299F.035, that has been approved by the United States Attorney General as compliant with Public Law 92-544.
- 4 The Governmental Unit wants to access federal data in support of its duties to conduct background checks as provided by law.
- 5 The purpose of this Joint Powers Agreement is to memorialize the requirements for Governmental Unit to obtain access and the limitations that apply to the information that Governmental Unit obtains.

Agreement

- 1 **Term of Agreement**
 - 1.1 **Effective Date.** This Agreement is effective on the date the BCA obtains all required signatures under Minnesota Statutes § 16C.05, subdivision 2.
 - 1.2 **Expiration Date.** This Agreement expires five years from the date it is effective.
- 2 **Agreement Between the Parties**
 - 2.1 **Request Submission.** Governmental Unit agrees that it will collect fingerprints from those individuals for whom a Minnesota and federal fingerprint-based background check will be conducted. Governmental Unit will forward the fingerprints and other documentation to the BCA. The fingerprints will be captured so they meet the requirements of National Institute of Standards and Technology Special Publication 500-290. The Governmental Unit will ensure that all fields required on the fingerprint card are completed.

Fingerprints received by Governmental Unit will be forwarded to the BCA using a secure method.
 - 2.2 **Request Processing.** On receipt of fingerprints that conform to the requirements of Clause 2.1, the BCA will conduct a check of the Minnesota criminal history repository

for any records that match the fingerprints submitted. Any results of a fingerprint match in Minnesota will be returned to the Governmental Unit with the federal results.

The BCA will also forward the fingerprints to the FBI for processing. The BCA will receive the response from the FBI, redact any data the Governmental Unit is not entitled to receive and forward the results to the Governmental Unit.

- 2.3 Policies.** The FBI and BCA have laws and policies on access, use, audit, dissemination, screening (pre-employment), security, training, and use of the criminal history results. These FBI and BCA policies, as amended and updated from time to time, are incorporated into this Agreement by reference. The policies are available at <https://bcanextest.x.state.mn.us//noncrim/launchpad/index.pl>. Governmental Unit has created its own policies to ensure that Governmental Unit's employees and contractors comply with all applicable requirements. Governmental Unit ensures this compliance through appropriate enforcement.
- 2.4 Limitations on Access.** BCA agrees that it will comply with applicable state and federal laws when making information accessible. Governmental Unit agrees that it will comply with applicable state and federal laws when accessing, using, disseminating, and storing data. Each party is responsible for its own compliance with the most current applicable state and federal laws.
- 2.5 Requirement to Update Information.** The parties agree that if there is a change to any of the information, whether required by law or this Agreement, the party will send the new information to the other party in writing within 30 days of the change.
- 2.6 Compliance with Personnel Security Requirements.** Per Minnesota Statutes § 299C.46, employees of a Governmental Unit who review results of background checks will be required to take security awareness training and pass a federal, fingerprint-based background check. Any information technology staff who support the work of Governmental Unit and who have physical or logical access to criminal history information will also be required to take security awareness training and pass a federal, fingerprint-based background check and may need to sign a security addendum certification. All required training by Governmental Unit employees will be completed prior to reviewing or handling background checks.

3 Payment

Governmental Unit will pay the BCA for all services performed under this Agreement. For each background check that is processed by BCA, Governmental Unit will pay the fee identified at <https://dps.mn.gov/divisions/bca/Documents/Background-check-fees.pdf>. There is an additional \$10.00 fee if the fingerprints are taken at BCA.

4 Authorized Representatives

BCA's Authorized Representative is the person below, or her successor:

Name: Diane Bartell, Deputy Superintendent
Address: Dept. of Public Safety; Bureau of Criminal Apprehension
1430 Maryland Avenue East
Saint Paul, MN 55106
Telephone: 651.793.2590
Email Address: Diane.Bartell@state.mn.us

Governmental Unit's Authorized Representative is the person below, or his/her successor:

Name: Jon Pritchard, Fire Chief
Address: 8641 80th St S

Cottage Grove, MN 55016
Telephone: 651.458.2850
Email Address: jpritchard@cottagegrovemn.gov

5 Assignment, Amendments, Waiver, and Agreement Complete

- 5.1 Assignment.** Neither party may assign nor transfer any rights or obligations under this Agreement.
- 5.2 Amendments.** Any amendment to this Agreement, except that described in Clause 2.5 above, must be in writing and will not be effective until it has been signed and approved by the same parties who signed and approved the original agreement, or their successors in office.
- 5.3 Waiver.** If either party fails to enforce any provision of this Agreement, that failure does not waive the provision or the right to enforce it.
- 5.4 Agreement Complete.** This Agreement contains all negotiations and agreements between the BCA and the Governmental Unit. No other understanding regarding this Agreement, whether written or oral, may be used to bind either party.

6 Liability

The BCA and the Governmental Unit agree each party will be responsible for its own acts and behavior and the results thereof to the extent authorized by law and shall not be responsible or liable for the acts of any others and the results thereof. The BCA's liability shall be governed by provisions of the Minnesota Torts Claims Act, Minnesota Statutes § 3.736, and other applicable law. The Governmental Unit's liability shall be governed by the Minnesota Municipal Tort Claims Act, Minnesota Statutes Chapter 466, and other applicable law.

7 Audits

- 7.1** Under Minnesota Statutes § 16C.05, subdivision 5, the Governmental Unit's books, records, documents, internal policies and accounting procedures and practices relevant to this Agreement are subject to examination by the BCA, State Auditor, or Legislative Auditor, as appropriate, for a minimum of six (6) years from the end of this Agreement. The examination shall be limited to the books, records, documents, and accounting procedures and practices that are relevant to this Agreement.
- 7.2** Under applicable state and federal law and policy, the Governmental Unit's records are subject to examination by the BCA and the FBI to ensure compliance with laws, regulations and policies about access, use, and dissemination of data.

8 Government Data Practices

- 8.1 BCA and Governmental Unit.** The BCA and Governmental Unit must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data accessible under this Agreement, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the Governmental Unit under this Agreement. The remedies of Minnesota Statutes §§ 13.08 and 13.09 apply to the release of the data referred to in this clause by either the BCA or the Governmental Unit.

9 Investigation of Alleged Violations; Sanctions

For purposes of this clause, "Individual User" means an employee or contractor of Governmental Unit.

- 9.1 Investigation.** Governmental Unit and BCA agree to cooperate in the investigation and possible prosecution of suspected violations of federal law, state law, and

policies and procedures referenced in this Agreement. When BCA becomes aware that a violation may have occurred, BCA will inform Governmental Unit of the suspected violation, subject to any restrictions in applicable law. When Governmental Unit becomes aware that a violation has occurred, Governmental Unit will inform BCA subject to any restrictions in applicable law.

9.2 Sanctions.

9.2.1 Under this Agreement, Governmental Unit must determine if and when an involved Individual User is disciplined due to inappropriate use of data. Governmental Unit may decide to suspend or terminate access and the decision must be made as soon as alleged violation is discovered, after notice of an alleged violation is received, or after an investigation has occurred. Governmental Unit must report the status of the Individual User's access to BCA without delay. BCA reserves the right to temporarily suspend or eliminate an Individual User's access to data and will notify Governmental Unit if an Individual User is affected.

9.2.2 If the BCA determines the Governmental Unit has jeopardized the integrity of the information, BCA may temporarily stop providing some or all the information under this Agreement until the failure is remedied to the BCA's satisfaction. If Governmental Unit's failure is continuing or repeated, Clause 11.1 does not apply and BCA may terminate this Agreement immediately.

10 Venue

Venue for all legal proceedings involving this Agreement, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

11 Termination

11.1 Termination. The BCA or the Governmental Unit may terminate this Agreement at any time, with or without cause, upon 30 days' written notice to the other party's Authorized Representative.

11.2 Termination for Insufficient Funding. Either party may immediately terminate this Agreement if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written notice to the other party's authorized representative. The Governmental Unit is not obligated to pay for any services that are provided after notice and effective date of termination. However, the BCA will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. Neither party will be assessed any penalty if the agreement is terminated because of the decision of the Minnesota Legislature, or other funding source, not to appropriate funds. Notice of the lack of funding must be provided within 30 days of the affected party receiving that notice.

12 E-Verify Certification (In accordance with Minnesota Statutes § 16C.075)

For services valued in excess of \$50,000, Governmental Unit certifies that as of the date of services performed by the BCA, Governmental Unit and all its subcontractors will have implemented or be in the process of implementing the federal E-Verify Program for all newly hired employees in the United States who will perform work on behalf of the Governmental Unit. Governmental Unit is responsible for collecting all subcontractor certifications and may do so utilizing the *E-Verify Subcontractor Certification Form* available at <https://dps.mn.gov/divisions/bca/bca-divisions/criminal-justice-information->

[services/background-checks/background-check-fees](#). All subcontractor certifications must be kept on file with Governmental Unit and made available to the BCA upon request.

13 Continuing Obligations

The following clauses survive the expiration or cancellation of this Agreement: 6. Liability; 7. Audits; 8. Government Data Practices; 9. Investigation of Alleged Violations; Sanctions; and 10. Venue.

BCA and the Governmental Unit indicate their agreement and authority to execute this Agreement by signing below.

GOVERNMENTAL UNIT

Governmental Unit certifies that the appropriate person(s) has(have) executed this Agreement on behalf of the Governmental Unit and its jurisdictional government entity as required by applicable articles, laws, by-laws, resolutions, or ordinances.

By and Title: _____
Governmental Unit

Date

By and Title: _____
Governmental Unit

Date

DEPARTMENT OF PUBLIC SAFETY, BUREAU OF CRIMINAL APPREHENSION

By and Title: _____
(with delegated authority)

Date

COMMISSIONER OF ADMINISTRATION

As delegated to the Office of State Procurement

By: _____

Date



City Council Action Request

7.K.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title Pay Equity Report

Staff Recommendation Accept the Pay Equity Report to be submitted to the State of Minnesota.

Budget Implication N/A

Attachments	1.	20250110- Pay Equity Memo
	2.	1 Compliance Report
	3.	2 Job Entry List
	4.	3 Predicated Pay



To: Honorable Mayor and City Council
From: Joe Fischbach, Human Resources Manager
Date: January 10, 2025
Re: Pay Equity Report

Every three years the City is required by the State of Minnesota to file a Pay Equity Report. The State will then review the data submitted by City staff to determine if the City is in compliance with the pay equity law. Attached is a copy of the report that will be submitted to the State. This pay equity report is based on 2024 wage data.

Staff has run the wage data through the State's software, so it is known in advance whether or not the City is in compliance. The result of that process shows that the City is in compliance. There is no reason to believe that the State would find different results, since staff used the same software that the State uses.

The City is required by law to post a notice indicating that the report has been filed and that is available to any employee upon request. After Council approval, that notice will be posted. Per requirements, the City will also mail a copy of the report to all the bargaining unit representatives.

It usually takes several months before staff receives a report back from the State. Once that occurs, the City Council will be notified of the official findings.

RECOMMENDED ACTION

Accept pay equity report.

Compliance Report

Jurisdiction: Cottage Grove
12800 Ravine Parkway S

Report Year: 2025
Case: 1 - 2024 Data (Private (Jur
Only))

Cottage Grove, MN 55016

Contact: Joe Fischbach

Phone: (651) 458-2883

E-Mail: jfischbach@cottagegrovemn.gov

The statistical analysis, salary range and exceptional service pay test results are shown below. Part I is general information from your pay equity report data. Parts II, III and IV give you the test results.

For more detail on each test, refer to the Guide to Pay Equity Compliance and Computer Reports.

I. GENERAL JOB CLASS INFORMATION

	Male Classes	Female Classes	Balanced Classes	All Job Classes
# Job Classes	37	32	7	76
# Employees	115	39	28	182
Avg. Max Monthly Pay per employee	8051.22	8036.49		8028.42

II. STATISTICAL ANALYSIS TEST

A. Underpayment Ratio = 94.34889 *

	Male Classes	Female Classes
a. # At or above Predicted Pay	25	21
b. # Below Predicted Pay	12	11
c. TOTAL	37	32
d. % Below Predicted Pay (b divided by c = d)	32.43	34.38

*(Result is % of male classes below predicted pay divided by % of female classes below predicted pay.)

B. T-test Results

Degrees of Freedom (DF) = 152	Value of T = -2.432
-------------------------------	---------------------

a. Avg. diff. in pay from predicted pay for male jobs = 3

b. Avg. diff. in pay from predicted pay for female jobs = 206

III. SALARY RANGE TEST = 97.71 (Result is A divided by B)

A. Avg. # of years to max salary for male jobs = 4.89

B. Avg. # of years to max salary for female jobs = 5.00

IV. EXCEPTIONAL SERVICE PAY TEST = 0.00 (Result is B divided by A)

A. % of male classes receiving ESP = 5.41 *

B. % of female classes receiving ESP = 0.00

*(If 20% or less, test result will be 0.00)

Job Class Data Entry Verification List

Case: 2024 Data

Cottage Grove

LGID: 663

Job Nbr	Class Title	Nbr Males	Nbr Females	Non- Binary	Class Type	Jobs Points	Min Mo Salary	Max Mo Salary	Yrs to Max Salary	Yrs of Service	Exceptional Service Pay
33	Community Service Officer	3	2		B	5	3986.00	3986.00	0.00	2.00	
60	Office/Finance Assistant II	0	3		F	5	4400.00	5501.00	5.00		
79	Utility Billing Clerk	0	1		F	9	4730.00	5912.00	5.00		
78	Administrative Technician	0	1		F	10	4730.00	5912.00	5.00		
58	Secretary/Assistant	0	3		F	10	4730.00	5912.00	5.00		
54	Administrative Secretary	0	1		F	11	5085.00	6357.00	5.00		
56	Investigative Aide	0	1		F	11	5085.00	6357.00	5.00		
28	Public Service Worker	28	0		M	11	4357.00	6006.00	5.00		
75	GIS Technician	1	0		M	11	5085.00	6357.00	5.00		
76	Events Manager	0	1		F	11	5085.00	6357.00	5.00		
77	CD Assistant	0	1		F	11	4730.00	5912.00	5.00		
57	Records Specialist	0	2		F	13	5085.00	6357.00	5.00		
61	Utility Billing Specialist	0	1		F	13	5466.00	6832.00	5.00		
55	Building Permit Technician	0	1		F	14	5085.00	6357.00	5.00		
30	Forester	1	0		M	14	5033.00	6884.00	5.00		
49	Accounting Specialist	1	0		M	14	5466.00	6832.00	5.00		
50	Admin Training Coordinator	1	1		B	14	5466.00	6832.00	5.00		
73	Recreation Specialist	1	0		M	14	5466.00	6832.00	5.00		
74	Associate Planner	0	1		F	14	5466.00	6832.00	5.00		
53	Records Coordinator	0	1		F	15	5466.00	6832.00	5.00		
52	Executive Chef	1	0		M	16	5466.00	6832.00	5.00		
29	Mechanic	2	0		M	16	4945.00	6732.00	5.00		
72	Golf Pro	1	0		M	16	5876.00	7344.00	5.00		
45	Marketing & Comms Specialist	0	2		F	17	5876.00	7344.00	5.00		
47	Code Enforcement Officer	0	1		F	17	5876.00	7344.00	5.00		
71	Asst Arena Manager	1	0		M	17	576.00	7344.00	5.00		
51	Food/Bev Manager	1	0		M	18	5876.00	7344.00	5.00		
69	Build Permit Tech Coord	0	1		F	19	5876.00	7344.00	5.00		
70	Criminal Analyst	0	1		F	19	5876.00	7344.00	5.00		
48	Recreation Supervisor	1	0		M	20	5876.00	7344.00	5.00		
44	IT Technician	1	0		M	20	6319.00	7898.00	5.00		
43	Graduate Engineer	0	1		F	21	6319.00	7898.00	5.00		

Job Class Data Entry Verification List

Case: 2024 Data

Cottage Grove

LGID: 663

Job Nbr	Class Title	Nbr Males	Nbr Females	Non- Binary	Class Type	Jobs Points	Min Mo Salary	Max Mo Salary	Yrs to Max Salary	Yrs of Service	Exceptional Service Pay
40	Accountant	0	2		F	22	6319.00	7898.00	5.00		
41	Building Inspector	3	0		M	22	6319.00	7898.00	5.00		
68	HERO Ctr Maint Spec	1	0		M	22	6319.00	7898.00	5.00		
46	Payroll Specialist	0	1		F	23	6319.00	7898.00	5.00		
67	River Oaks Asst Superintendent	1	0		M	24	6319.00	7898.00	5.00		
27	Lead Worker	6	0		M	24	7068.00	7068.00	0.00	15.00	
31	Firefighter/Paramedic	8	3		B	25	6331.00	7905.00	5.00		
38	Management Analyst	1	1		B	27	6791.00	8488.00	5.00		
39	Records Manager	0	1		F	28	6791.00	8488.00	5.00		
66	City Clerk	0	1		F	32	7302.00	9127.00	5.00		
34	Asst to City Administrator	0	1		F	32	7302.00	9127.00	5.00		
35	River Oaks Superintendent	1	0		M	32	7302.00	9127.00	5.00		
25	Police Officer	20	3		M	32	5926.00	7933.00	3.00		Longevity
26	Working Foreman	4	0		M	36	7982.00	7982.00	0.00	22.00	
37	Senior Planner	0	1		F	39	7302.00	9127.00	5.00		
65	Fire Marshal	1	0		M	39	7302.00	9127.00	5.00		
64	Systems Administrator	1	1		B	40	7302.00	9127.00	5.00		
23	Recreation Facilities Manager	1	0		M	41	7848.00	9810.00	5.00		
24	Detective	8	0		M	41	6222.00	8330.00	3.00		Longevity
19	HERO Center Manager	1	0		M	41	7848.00	9810.00	5.00		
21	Project Engineer	1	0		M	42	7848.00	9810.00	5.00		
22	Recreation Services Manager	0	1		F	44	7848.00	9810.00	5.00		
20	River Oaks General Manager	1	0		M	46	7848.00	9810.00	5.00		
13	Police Sergeant	8	1		M	54	8320.00	10400.00	5.00		
17	Fleet & Fac. Maint. Manager	1	0		M	54	8436.00	10545.00	5.00		
18	Communications Manager	1	0		M	54	8436.00	10545.00	5.00		
12	Superintendent	3	0		M	61	8436.00	10545.00	5.00		
10	Chief Building Official	1	0		M	62	8436.00	10545.00	5.00		
11	Assistant Finance Director	0	1		F	62	8436.00	10545.00	5.00		
32	Fire Captain	2	1		B	62	8869.00	9223.00	2.00	0.00	
14	Assistant City Engineer	0	1		F	64	8436.00	10545.00	5.00		
63	Economic Development Director	0	1		F	66	8436.00	10545.00	5.00		

Job Class Data Entry Verification List

Case: 2024 Data

Cottage Grove

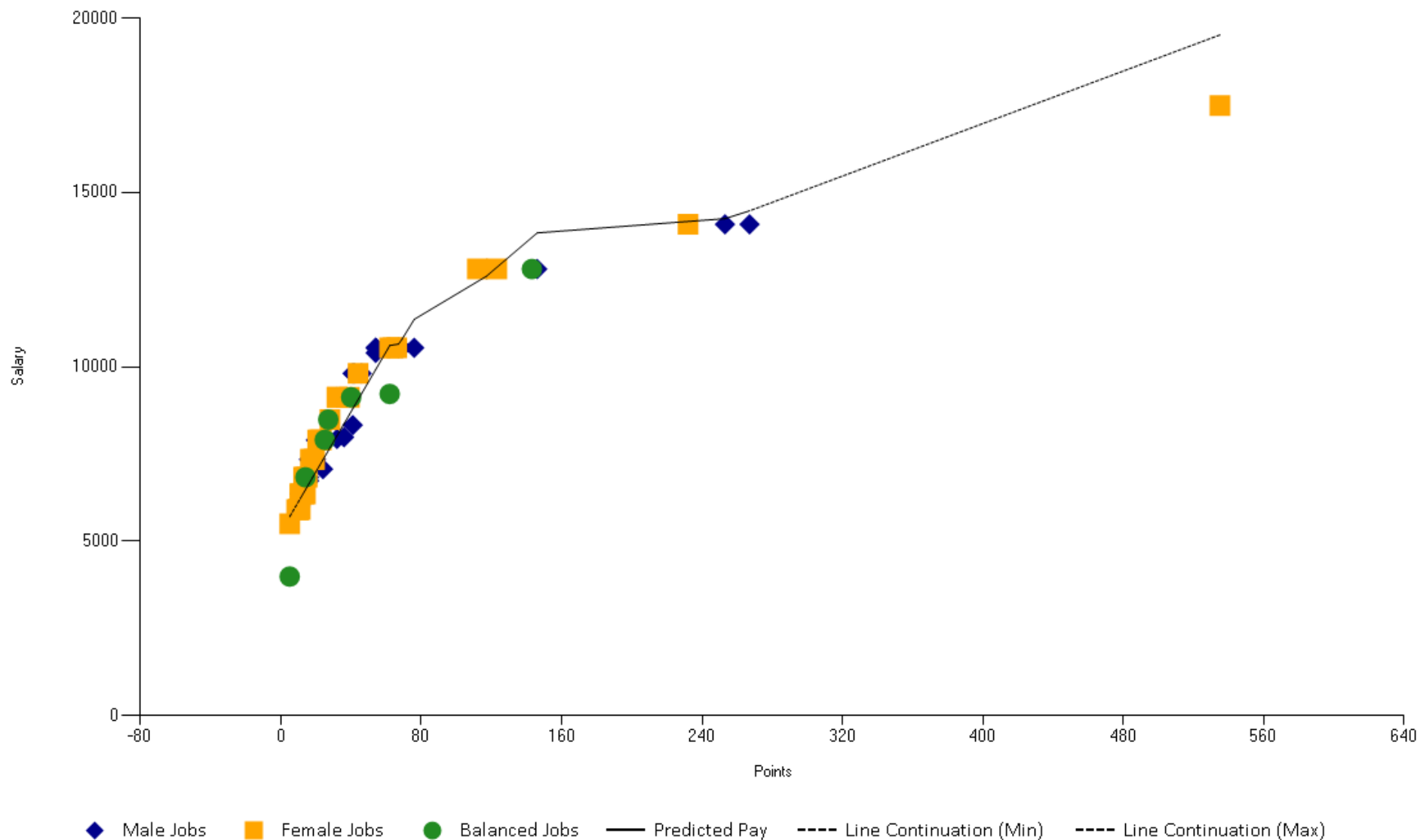
LGID: 663

Job Nbr	Class Title	Nbr Males	Nbr Females	Non- Binary	Class Type	Jobs Points	Min Mo Salary	Max Mo Salary	Yrs to Max Salary	Yrs of Service	Exceptional Service Pay
16	IT Manager	1	0		M	67	8436.00	10545.00	5.00		
9	HR Manager	1	0		M	69	8436.00	10545.00	5.00		
15	Deputy Fire Chief	2	0		M	76	8436.00	10545.00	5.00		
62	City Engineer	0	1		F	112	10244.0 0	12804.00	5.00		
7	Parks & Rec Director	1	0		M	117	10244.0 0	12804.00	5.00		
8	Community Development Director	0	1		F	123	10244.0 0	12804.00	5.00		
5	Police Captain	2	1		B	143	10244.0 0	12804.00	5.00		
6	Fire Chief	1	0		M	146	10244.0 0	12804.00	5.00		
3	Finance Director	0	1		F	232	11268.0 0	14085.00	5.00		
4	Public Works Director	1	0		M	253	11268.0 0	14085.00	5.00		
2	Public Safety Director	1	0		M	267	11268.0 0	14085.00	5.00		
1	City Administrator	0	1		F	535	13993.0 0	17491.00	5.00		

Job Number Count: 76

Predicted Pay Report for: Cottage Grove

Case: 2024 Data



Predicted Pay Report for: Cottage Grove

Case: 2024 Data

Job Nbr	Job Title	Nbr Males	Nbr Females	Non- Binary	Total Nbr	Job Type	Job Points	Max Mo Salary	Predicted Pay	Pay Difference
33	Community Service Officer	3	2			Balanced	5	3986.0000	5703.8256	-1717.8256
60	Office/Finance Assistant II	0	3			Female	5	5501.0000	5703.8256	-202.8256
79	Utility Billing Clerk	0	1			Female	9	5912.0000	6046.1000	-134.1000
58	Secretary/Assistant	0	3			Female	10	5912.0000	6132.8095	-220.8095
78	Administrative Technician	0	1			Female	10	5912.0000	6132.8095	-220.8095
54	Administrative Secretary	0	1			Female	11	6357.0000	6219.5190	137.4810
56	Investigative Aide	0	1			Female	11	6357.0000	6219.5190	137.4810
76	Events Manager	0	1			Female	11	6357.0000	6219.5190	137.4810
77	CD Assistant	0	1			Female	11	5912.0000	6219.5190	-307.5190
75	GIS Technician	1	0			Male	11	6357.0000	6219.5190	137.4810
28	Public Service Worker	28	0			Male	11	6006.0000	6219.5190	-213.5190
57	Records Specialist	0	2			Female	13	6357.0000	6390.6561	-33.6561
61	Utility Billing Specialist	0	1			Female	13	6832.0000	6390.6561	441.3439
55	Building Permit Technician	0	1			Female	14	6357.0000	6477.3656	-120.3656
50	Admin Training Coordinator	1	1			Balanced	14	6832.0000	6477.3656	354.6344
74	Associate Planner	0	1			Female	14	6832.0000	6477.3656	354.6344
73	Recreation Specialist	1	0			Male	14	6832.0000	6477.3656	354.6344
30	Forester	1	0			Male	14	6884.0000	6477.3656	406.6344
49	Accounting Specialist	1	0			Male	14	6832.0000	6477.3656	354.6344
53	Records Coordinator	0	1			Female	15	6832.0000	6564.0751	267.9249
72	Golf Pro	1	0			Male	16	7344.0000	6650.7846	693.2154
52	Executive Chef	1	0			Male	16	6832.0000	6650.7846	181.2154
29	Mechanic	2	0			Male	16	6732.0000	6650.7846	81.2154
45	Marketing & Comms Specialist	0	2			Female	17	7344.0000	6735.2123	608.7877
47	Code Enforcement Officer	0	1			Female	17	7344.0000	6735.2123	608.7877
71	Asst Arena Manager	1	0			Male	17	7344.0000	6735.2123	608.7877
51	Food/Bev Manager	1	0			Male	18	7344.0000	6821.9218	522.0782
69	Build Permit Tech Coord	0	1			Female	19	7344.0000	6908.6313	435.3687
70	Criminal Analyst	0	1			Female	19	7344.0000	6908.6313	435.3687
44	IT Technician	1	0			Male	20	7898.0000	6995.3408	902.6592
48	Recreation Supervisor	1	0			Male	20	7344.0000	6995.3408	348.6592
43	Graduate Engineer	0	1			Female	21	7898.0000	7079.7685	818.2315

Predicted Pay Report for: Cottage Grove

Case: 2024 Data

Job Nbr	Job Title	Nbr Males	Nbr Females	Non- Binary	Total Nbr	Job Type	Job Points	Max Mo Salary	Predicted Pay	Pay Difference
40	Accountant	0	2			Female	22	7898.0000	7166.4780	731.5220
41	Building Inspector	3	0			Male	22	7898.0000	7166.4780	731.5220
68	HERO Ctr Maint Spec	1	0			Male	22	7898.0000	7166.4780	731.5220
46	Payroll Specialist	0	1			Female	23	7898.0000	7253.1875	644.8125
67	River Oaks Asst Superintendent	1	0			Male	24	7898.0000	7337.6152	560.3848
27	Lead Worker	6	0			Male	24	7068.0000	7337.6152	-269.6152
31	Firefighter/Paramedic	8	3			Balanced	25	7905.0000	7424.3247	480.6753
38	Management Analyst	1	1			Balanced	27	8488.0000	7597.7437	890.2563
39	Records Manager	0	1			Female	28	8488.0000	7682.1713	805.8287
34	Asst to City Administrator	0	1			Female	32	9127.0000	8026.7275	1100.2725
66	City Clerk	0	1			Female	32	9127.0000	8026.7275	1100.2725
35	River Oaks Superintendent	1	0			Male	32	9127.0000	8026.7275	1100.2725
25	Police Officer	20	3			Male	32	7933.0000	8026.7275	-93.7275
26	Working Foreman	4	0			Male	36	7982.0000	8371.2837	-389.2837
37	Senior Planner	0	1			Female	39	9127.0000	8631.4122	495.5878
65	Fire Marshal	1	0			Male	39	9127.0000	8631.4122	495.5878
64	Systems Administrator	1	1			Balanced	40	9127.0000	8715.8398	411.1602
23	Recreation Facilities Manager	1	0			Male	41	9810.0000	8802.5493	1007.4507
24	Detective	8	0			Male	41	8330.0000	8802.5493	-472.5493
19	HERO Center Manager	1	0			Male	41	9810.0000	8802.5493	1007.4507
21	Project Engineer	1	0			Male	42	9810.0000	8889.2588	920.7412
22	Recreation Services Manager	0	1			Female	44	9810.0000	9060.3960	749.6040
20	River Oaks General Manager	1	0			Male	46	9810.0000	9233.8150	576.1850
17	Fleet & Fac. Maint. Manager	1	0			Male	54	10545.0000	9922.9274	622.0726
18	Communications Manager	1	0			Male	54	10545.0000	9922.9274	622.0726
13	Police Sergeant	8	1			Male	54	10400.0000	9922.9274	477.0726
12	Superintendent	3	0			Male	61	10545.0000	10525.3302	19.6698
11	Assistant Finance Director	0	1			Female	62	10545.0000	10609.7579	-64.7579
32	Fire Captain	2	1			Balanced	62	9223.0000	10609.7579	-1386.7579
10	Chief Building Official	1	0			Male	62	10545.0000	10609.7579	-64.7579
14	Assistant City Engineer	0	1			Female	64	10545.0000	10628.5877	-83.5877
63	Economic Development Director	0	1			Female	66	10545.0000	10581.4687	-36.4687

Predicted Pay Report for: Cottage Grove

Case: 2024 Data

Job Nbr	Job Title	Nbr Males	Nbr Females	Non- Binary	Total Nbr	Job Type	Job Points	Max Mo Salary	Predicted Pay	Pay Difference
16	IT Manager	1	0			Male	67	10545.0000	10652.7385	-107.7385
9	HR Manager	1	0			Male	69	10545.0000	10788.5812	-243.5812
15	Deputy Fire Chief	2	0			Male	76	10545.0000	11362.4415	-817.4415
62	City Engineer	0	1			Female	112	12804.0000	12534.5216	269.4784
7	Parks & Rec Director	1	0			Male	117	12804.0000	12595.7760	208.2240
8	Community Development Director	0	1			Female	123	12804.0000	12337.3802	466.6198
5	Police Captain	2	1			Balanced	143	12804.0000	13718.7364	-914.7364
6	Fire Chief	1	0			Male	146	12804.0000	13840.7415	-1036.7415
3	Finance Director	0	1			Female	232	14085.0000	13818.8039	266.1961
4	Public Works Director	1	0			Male	253	14085.0000	14248.0289	-163.0289
2	Public Safety Director	1	0			Male	267	14085.0000	14472.7150	-387.7150
1	City Administrator	0	1			Female	535	17491.0000	19517.5171	-2026.5171

Job Number Count: 76



City Council Action Request

7.L.

Meeting Date 1/22/2025

Department Finance

Agenda Category Action Item

Title Abatement of Utility Billing Certification

Staff Recommendation Adopt resolution 2025-09, authorizing the abatement of utility billing certification in the amount of \$4,049.09.

Budget Implication N/A

Attachments

1.	CC Memo Utility Billing Certification Abatement 01-22-25
2.	Resolution 2025-09 Abatement of Utility Bill Certification



To: Mayor and City Council Members
Jennifer Levitt, City Administrator

From: Judith Afdahl, Assistant Finance Director

Date: January 22, 2025

Subject: Abatement of Utility Billing Certification

Introduction

City staff were notified by Washington County personnel that several parcel identification numbers on the Utility Billing certification list that was submitted were not valid and needed to be addressed.

Discussion

Six parcels were subdivided and developed, but the original parcel was not removed from the utility billing system when the new parcels were added to the utility billing system. These subdivided and developed parcels were inadvertently certified and should be removed from certification since the parcel and parcel number no longer exist.

In addition, a property was certified that has one meter that serves 4 separate legal parcels. This is a commercial building with a different property owner for each parcel. Staff has been in contact with the property management company for this building and this will be collected by the city through their utility account billing.

Action Requested

Adopt resolution 2025-09, authorizing the abatement of utility billing certification in the amount of \$4,049.09.

RESOLUTION NO. 2025-09

**RESOLUTION AUTHORIZING ABATEMENT OF UTILITY BILLING CERTIFICATIONS
IN THE AMOUNT OF \$4,049.09**

WHEREAS, the City Council adopted Resolution 2024-164 certifying delinquent utility accounts; and

WHEREAS, six of the property identification numbers were no longer active due to the properties being subdivided for development and one parcel will be collected by city staff through their utility account;

Parcel Number	Subdivision/Address	Certification Amount
03.027.21.21.0002	Northwick Park	\$157.27
03.027.21.22.0002	Cardinal Reserve	\$139.85
03.027.21.24.0003	Ravine Meadows	\$141.47
03.027.21.41.0008	Glacial Valley	\$139.86
05.027.21.22.0003	Eastbrooke	\$136.40
08.027.21.24.0002	Villas of Hidden Valley	\$141.48
21.027.21.24.0003	8619 W Point Douglas Rd	\$3,192.76

NOW THEREFORE BE IT RESOLVED, the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, abates utility billing certifications in the amount of \$4,049.09.

Passed this 22nd Day of January 2025.

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk



City Council Action Request

7.M.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title Fee Table Revision - Credit Card Fees

Staff Recommendation Adopt Ordinance 1092, amending the City Fee Table.

Budget Implication N/A

Attachments

1.	CC Memo Credit Card Fees
2.	Ordinance - 1092 (Credit Card Fees)
3.	Exhibit A - 2025 Proposed Fee's (Council 2025-01-22) Lines 174 & 175



To: Mayor and City Council Members
Jennifer Levitt, City Administrator

From: Brenda Malinowski, Finance Director

Date: January 22, 2025

Subject: Fee Table Changes

Discussion

Due to a significant increase in credit card processing costs over the past few years, it is necessary to implement a processing fee for customers who choose to pay by credit card. This adjustment will help to recover the costs associated with credit card transactions. This practice is in line with many other government entities such as Washington County.

Action Requested

Adopt Ordinance 1092, Amending the City Fee Table.

ORDINANCE NO. 1092

**AN ORDINANCE FOR THE CITY OF COTTAGE GROVE, MINNESOTA,
AMENDING THE CITY FEE TABLE**

The City Council of the City of Cottage Grove, Washington County, Minnesota, does hereby ordain as follows:

SECTION 1. AMENDMENT. The City Fee Table administered by the City of Cottage Grove, County of Washington, State of Minnesota, shall be amended as specified in Attachment A effective upon publication and will remain in effect until amended or otherwise specified.

SECTION 2. PUBLICATION BY TITLE AND SUMMARY. Pursuant to Minnesota Statute Section 412.191, subd. 4, in the case of a lengthy ordinance, a summary may be published in lieu of the entire ordinance. The entire ordinance has been posted in accordance with State Statute 415.19 on the City's Public Notices board at City Hall, and on the City's website under Pending Ordinances at least ten days before consideration. A copy of the entire ordinance is available at the office of the City Clerk and the fee table in its entirety will be published on the City's website. The following summary is approved by the City Council and shall be published in lieu of the entire ordinance:

City of Cottage Grove
Ordinance 1092

The Cottage Grove City Council passed Ordinance 1092, which amends the City Fee Table in the following category 1/22/2025:

Fee Table for credit card fees shall be \$2.50 or 3.75% (or actual cost of processing the credit card) for all City transactions except Golf, Ice Arena, HERO Center, and recreation. Recreation credit card fees shall be 6.98% for online payments (or actual cost of processing credit card). Credit card fees for golf, ice arena, and HERO Center activities shall be absorbed in the fees for those services.

The full text of Ordinance 1092 is available at Cottage Grove City Hall during regular business hours and the new fee table will also be available on the city website at cottagegrovemn.gov, search City Fee Table, after it becomes effective.

SECTION 3. EFFECTIVE DATE. This ordinance shall be in full force and effect after its passage and publication according to law.

Passed this 22nd of January, 2025

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk

Published in the *Pioneer Press* on [Date].

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
2	Ambulance			
3	Ambulance	Advanced Life Support	Stand-By (Paramedic without Ambulance)	\$80.00 per hour
4	Ambulance	Advanced Life Support	Stand-By (EMT and Paramedic with Ambulance)	\$220.00 per hour
5	Ambulance	Advanced Life Support	Treatment without Transport (includes all medication administration, oxygen administration, ETCO2 monitoring, ultrasound, ECG monitoring (including 12 lead EKG))	\$540.00
6	Ambulance	Advanced Life Support	Treatment and Transport - Tier 1	\$2,690.00
7	Ambulance	Advanced Life Support	Treatment and Transport - Tier 2	\$3,010.00
8	Ambulance	Basic Life Support	Stand-By (EMT without Ambulance)	\$55.00 per hour
9	Ambulance	Basic Life Support	Stand-By (2 EMTs with Ambulance)	\$160.00 per hour
10	Ambulance	Basic Life Support	Evaluation without Transport (includes assessment, vital signs (including pulse oximetry), blood glucose measurement, basic bandaging, band-aid, basic wound care, splinting or carbon monoxide monitoring)	No Charge Resident; \$540.00 Non Resident
11	Ambulance	Basic Life Support	Treatment and Transport	\$2,150.00
12	Ambulance	Other	Mileage Charge (Per Loaded Mile From City Limits)	\$40.00
13	Ambulance	Other	Non-Resident Fee	\$230.00
14	Ambulance	Other	Special Services EMS Charge	\$440.00
15	Animal			
16	Animal	Impound	City-Ordered, Administrative Fee	Actual Cost Incurred By Impound Facility
17	Animal	Impound	City-Ordered, Facility Fee	Actual Cost Incurred By Impound Facility
18	Animal	Other	Administrative hearing fee, dangerous/potentially dangerous dog	\$200.00
19	Animal	Licenses	Dog/Cat, Duplicate Tag	\$5.00 each
20	Animal	Licenses	Dog/Cat, Multiple Animal	\$100.00 Per Calendar Year
21	Animal	Licenses	Dog/Cat, Non-Spayed/Non-Neutered (1 Calendar Year)	\$20.00 Renewal
22	Animal	Licenses	Dog/Cat, Non-Spayed/Non-Neutered (Lifetime License)	\$75.00
23	Animal	Licenses	Dog/Cat, Spayed/Neutered (1 Calendar Year)	\$15.00 Renewal
24	Animal	Licenses	Dog/Cat, Spayed/Neutered (No Micro-chip Lifetime License)	\$60.00
25	Animal	Licenses	Dog/Cat, Spayed/Neutered (Micro-chipped Lifetime License)	\$50.00
26	Animal	Licenses	Kennel, Commercial	\$50.00 per year
27	Animal	Licenses	Goats, Temporary Keeping of, Vegetation Management	\$50.00 Per Calendar Year
28	Animal	Registrations	Dog, Potentially Dangerous	\$60.00 Spayed/Neutered; \$65.00 Non-Spayed/Non-Neutered per Calendar Year
29	Animal	Registrations	Dog, Dangerous	\$60.00 Spayed/Neutered; \$65.00 Non-Spayed/Non-Neutered per Calendar Year
30	Development			
31	Development	Area Charges, Commercial/Industrial	Sanitary Sewer, Remainder of City	\$2,410.00 per acre
32	Development	Area Charges, Commercial/Industrial	Sanitary Sewer, South District Lower	\$13,470.00 per acre
33	Development	Area Charges, Commercial/Industrial	Sanitary Sewer, South District Upper	\$5,070.00 per acre

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
34	Development	Area Charges, Commercial/Industrial	Storm Water Facilities, Remainder of City	\$11,590.00 per acre
35	Development	Area Charges, Commercial/Industrial	Storm Water Facilities, West Draw	\$12,910.00 per acre
36	Development	Area Charges, Commercial/Industrial	Waterworks	\$7,460.00 per acre
37	Development	Area Charges, Residential	Sanitary Sewer, Remainder of City	\$1,720.00 per acre
38	Development	Area Charges, Residential	Sanitary Sewer, South District Lower	\$9,550.00 per acre
39	Development	Area Charges, Residential	Sanitary Sewer, South District Upper	\$3,600.00 per acre
40	Development	Area Charges, Residential	Sanitary Sewer, Upper Ravine	\$8,800.00 per acre
41	Development	Area Charges, Residential	Sanitary Sewer, West Draw Area 1	\$2,150.00 per acre
42	Development	Area Charges, Residential	Sanitary Sewer, West Draw Area 2	\$3,540.00 per acre
43	Development	Area Charges, Residential	Sanitary Sewer, Utility Staging Area 2	\$7,190.00 per acre
44	Development	Area Charges, Commercial/Industrial	Sanitary Sewer, Utility Staging Area 2	\$10,140.00 per acre
45	Development	Area Charges, Commercial/Industrial	Storm Water Facilities, East Ravine	\$13,570.00 per acre
46	Development	Area Charges, Commercial/Industrial	Storm Water Facilities, South District	\$13,370.00 per acre
47	Development	Area Charges, Residential	Storm Water Facilities, Remainder of City - Ag Developed	\$8,310.00 per acre
48	Development	Area Charges, Residential	Storm Water Facilities, Remainder of City - Estate	\$5,780.00 per acre
49	Development	Area Charges, Residential	Storm Water Facilities, Remainder of City - High Density	\$11,590.00 per acre
50	Development	Area Charges, Residential	Storm Water Facilities, Remainder of City - Medium Density	\$9,660.00 per acre
51	Development	Area Charges, Residential	Storm Water Facilities, Remainder of City - Single Family	\$7,940.00 per acre
52	Development	Area Charges, Residential	Storm Water Facilities, SW Drainage Area - Multi Family	\$11,380.00 per acre
53	Development	Area Charges, Residential	Storm Water Facilities, SW Drainage Area - Single Family	\$8,700.00 per acre

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
54	Development	Area Charges, Residential	Storm Water Facilities, Upper Ravine - Multi Family	\$6,060.00 per acre
55	Development	Area Charges, Residential	Storm Water Facilities, Upper Ravine - Single Family	\$5,140.00 per acre
56	Development	Area Charges, Residential	Storm Water Facilities, West Draw - Ag Developed	\$9,250.00 per acre
57	Development	Area Charges, Residential	Storm Water Facilities, West Draw - Estate	\$6,460.00 per acre
58	Development	Area Charges, Residential	Storm Water Facilities, West Draw - High Density	\$12,920.00 per acre
59	Development	Area Charges, Residential	Storm Water Facilities, West Draw - Medium Density	\$10,770.00 per acre
60	Development	Area Charges, Residential	Storm Water Facilities, West Draw - Single Family	\$8,610.00 per acre
61	Development	Area Charges, Residential	Storm Water Facilities, South District - High Density	\$13,370.00 per acre
62	Development	Area Charges, Residential	Storm Water Facilities, South District - Medium Density	\$11,170.00 per acre
63	Development	Area Charges, Residential	Storm Water Facilities, South District - Single Family	\$9,160.00 per acre
64	Development	Area Charges, Residential	Storm Water Facilities, East Ravine - High Density	\$13,570.00 per acre
65	Development	Area Charges, Residential	Storm Water Facilities, East Ravine - Medium Density	\$11,330.00 per acre
66	Development	Area Charges, Residential	Storm Water Facilities, East Ravine - Single Family	\$9,280.00 per acre
67	Development	Area Charges, Residential	Water Works, Remainder of City	\$6,010.00 per acre
68	Development	Connection Fees, Commercial/Industrial	Sanitary Sewer	\$1,560.00 per acre
69	Development	Connection Fees, Commercial/Industrial	Water Works	\$2,310.00 per acre
70	Development	Connection Fees, Residential	Sanitary Sewer, Entire City	\$410.00 per unit
71	Development	Connection Fees, Residential	Water Works, Entire City	\$330.00 per unit
72	Development	Engineering	Telecommunication Facilities Lease (Escrow Fee and Contract Required; Tenant Responsible for Additional Consulting, Planning or Building Permit Fees)	\$46,350.00/Year with 4% Annual Lease Rate Escalator (Leased Space in Excess of Maximum Area Prorated)
73	Development	Engineering	Telecommunication Facilities Lease (Escrow Fee and Contract Required; Tenant Responsible for Additional Consulting, Planning or Building Permit Fees)	\$46,350.00/Year with 4% Annual Lease Rate Escalator (Leased Space in Excess of Maximum Area Prorated)

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
74	Development	Engineering	Telecommunication Facilities Lease (Escrow Fee and Contract Required; Tenant Responsible for Additional Consulting, Planning or Building Permit Fees)	\$46,350.00/Year with 4% Annual Lease Rate Escalator (Leased Space in Excess of Maximum Area Prorated)
75	Development	Engineering	Telecommunication Facilities Lease (Escrow Fee and Contract Required; Tenant Responsible for Additional Consulting, Planning or Building Permit Fees)	\$46,350.00/Year with 4% Annual Lease Rate Escalator (Leased Space in Excess of Maximum Area Prorated)
76	Development	Engineering	Telecommunication Facilities Lease (Escrow Fee and Contract Required; Tenant Responsible for Additional Consulting, Planning or Building Permit Fees)	\$46,350.00/Year with 4% Annual Lease Rate Escalator (Leased Space in Excess of Maximum Area Prorated)
77	Development	Engineering	Telecommunication Facilities Lease (Generator Fee)	\$6000.00/Per Year Per Generator With a 4% Annual Lease Rate Escalator
78	Development	Engineering	Telecommunication Facilities Escrow Fee	\$10,000.00
79	Development	Engineering	City Concept Review, Public Improvement (Private Developer)	1%
80	Development	Engineering	City Design Escrow, Public Improvement (Private Developer, Public Design)	5%
81	Development	Engineering	City Engineering Administration Fee, Public Improvement (Private Developer)	2%
82	Development	Engineering	City Engineering Administration Fee, Public Project	4%
83	Development	Engineering	City Inspection Escrow, Public Improvement (Private Developer, Private Design) - \$0 - \$1 million project valuation	6%
84	Development	Engineering	City Inspection Escrow, Public Improvement (Private Developer, Private Design) - Project valuation greater than \$1 million	5%
85	Development	Engineering	City Inspection/Testing Escrow, Public Improvement (Private Developer, Public Design)	10%
86	Development	Engineering	Hourly Rate for Engineering and Staff Time	Actual Cost
87	Development	Engineering	Plan Review Escrow, Public Improvement (Private Developer, Private Design) - Project valuation greater than \$1 million	2%
88	Development	Engineering	Plan Review Escrow, Public Improvement (Private Developer, Private Design) - \$0 - \$1 million project valuation	3%
89	Development	Engineering	Private Commercial Site Improvements - \$0 - \$100,000 Valuation	\$300.00 Base Fee for Up To The First \$20,000 Site Improvement Valuation; \$13.00 per Additional \$1,000 Site Improvement Valuation
90	Development	Engineering	Private Commercial Site Improvements - \$500,001 - \$1,000,000 Valuation	\$4,300.00 Base Fee for First \$500,000 Site Improvement Valuation; \$5.00 per Additional \$1,000 Site Improvement Valuation
91	Development	Engineering	Private Commercial Site Improvements - Greater than \$1,000,000 valuation	\$6,600.00 Base Fee for First \$1,000,000 Site Improvement Valuation; \$4.5 per Additional \$1,000 Site Improvement Valuation

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
92	Development	Engineering	Private Commercial Site Improvements \$100, 001 - \$500,000 Valuation	\$1,300.00 Base Fee for First \$100,000 Site Improvement Valuation; 8.00 per Additional \$1,000 Site Improvement Valuation
93	Development	Miscellaneous	Business Park AUAR	\$111.00 per Acre
94	Development	Miscellaneous	Administrative Use Permit, Commercial	\$565.00 Plus \$5,000.00 Escrow
95	Development	Miscellaneous	Administrative Use Permit, Residential	\$565.00 Plus \$5,000.00 Escrow
96	Development	Miscellaneous	Agricultural Preservation Documentation Processing	\$150.00
97	Development	Miscellaneous	Business Subsidy Application	\$10,000.00 Escrow (Unused Escrow Amount Returned)
98	Development	Miscellaneous	Comprehensive Plan	\$50.00 Paper Copy/\$10 Digital
99	Development	Miscellaneous	Comprehensive Plan Amendment, Map or Text	\$670.00 + \$55.00 GIS Fee + \$2,500.00 Escrow
100	Development	Miscellaneous	Concept Plan Review	\$1,080.00 Plus \$20.00 Per Acre; \$1,000.00 Escrow
101	Development	Miscellaneous	Conditional Use Permit, Commercial	\$565.00 Plus \$5,000.00 Escrow
102	Development	Miscellaneous	Conditional Use Permit, Interim	\$565.00 Plus \$5,000.00 Escrow
103	Development	Miscellaneous	Conditional Use Permit, Residential	\$565.00 Plus \$5,000.00 Escrow
104	Development	Miscellaneous	East Ravine AUAR Charge	\$120.00 Per Acre
105	Development	Miscellaneous	Environmental Assessment Worksheet	\$620.00 Plus Actual Costs
106	Development	Miscellaneous	Financial Guarantee, Escrow for Subdivision Improvements	Public Improvements – 125% of Estimated Cost. Boulevard, Landscaping Improvements - 150% of Estimated Cost.
107	Development	Miscellaneous	Historic Preservation Delisting	\$515.00
108	Development	Miscellaneous	Historic Preservation Designation	\$515.00
109	Development	Miscellaneous	Lot Grading and Corner Lot Pin Compliance Escrow	\$1,000.00 Per Lot
110	Development	Miscellaneous	Metropolitan Council SAC Charge	\$2,485.00 Per Unit for Applicable 2025 Permits
111	Development	Miscellaneous	Mining, Annual Inspection and Review	\$2,060.00
112	Development	Miscellaneous	Mining, Permit Removal per Occurrence	Under 100,000 tons - \$300.00. Over 100,000 tons - \$550.00
113	Development	Miscellaneous	Natural Resources Inventory	\$70.00 Per Paper Copy
114	Development	Miscellaneous	Off-Site Stormwater Ponding Fee	Reference City Stormwater Management Plan
115	Development	Miscellaneous	Park Land Dedication, Commercial	Minimum of 10% of the Buildable Land within the Development.
116	Development	Miscellaneous	Park Land Dedication, Commercial	Estimated \$8,400.00 Per Acre or 4% of the Fair Market Value, whichever is greater.
117	Development	Miscellaneous	Park Land Dedication, Industrial	\$8,400.00
118	Development	Miscellaneous	Park Land Dedication, Residential	Minimum of 10% of the Buildable Land within the Development.

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
119	Development	Miscellaneous	Park Land Dedication, Residential	\$4,900.00 Per Unit or 10% of the Fair Market Value, whichever is greater.
120	Development	Miscellaneous	Park Land Dedication, Residential	\$3,600.00 Per Unit or 10% of the Fair Market Value, whichever is greater.
121	Development	Miscellaneous	Park Land Dedication, Residential	\$3,600.00 Per Unit or 10% of the Fair Market Value, whichever is greater.
122	Development	Miscellaneous	Park Land Dedication, Residential	\$2,200.00 Per Unit or 10% of the Fair Market Value, whichever is greater.
123	Development	Miscellaneous	Park Land Dedication, Residential	\$8,400.00 Per Acre or 10% of the Fair Market Value, whichever is greater.
124	Development	Miscellaneous	Plat, Final	\$360.00 + \$100.00/Acre + \$5,000.00 Escrow
125	Development	Miscellaneous	Plat, Preliminary	\$565.00 + \$50.00 Per Lot/Unit + \$5,000.00 Escrow
126	Development	Miscellaneous	Public ROW and Easement Vacations	\$360.00
127	Development	Miscellaneous	PUD (Planned Unit Development)	\$900 Plus a \$2,000 Escrow
128	Development	Miscellaneous	Re-addressing	\$150.00
129	Development	Miscellaneous	Sealcoating, Street, New Subdivision	\$1.25 Per Square Yard
130	Development	Miscellaneous	Sealcoating, Trails	\$2.50 Per Square Yard
131	Development	Miscellaneous	Sign Ordinance	\$15.00 Per Paper Copy / \$10.00 Digital Format
132	Development	Miscellaneous	Signs, Illegal, Return of	\$10.00 Per Sign
133	Development	Miscellaneous	Site Plan	\$500.00 Plus \$5,000 Escrow
134	Development	Miscellaneous	Sketch Plan Review	\$205.00 Plus \$500.00 Escrow
135	Development	Miscellaneous	Street Lighting - New Developments	\$6.32/Lot/Month for 24 Months
136	Development	Miscellaneous	Street Renaming	Installation)
137	Development	Miscellaneous	Subdivision, Minor	\$500.00 Plus \$2,000 Escrow
138	Development	Miscellaneous	Tree Mitigation	Reference Title 11-3-13
139	Development	Miscellaneous	Tree Mitigation	\$150.00 Per Required Replacement Inch
140	Development	Miscellaneous	Variance, Post-Construction	\$925.00
141	Development	Miscellaneous	Variance, Pre-Construction	\$300.00
142	Development	Miscellaneous	Zoning Amendment, Text or Map	\$665.00 Plus \$2,000.00 Escrow
143	Development	Miscellaneous	Zoning Appeal	\$310.00
144	Development	Miscellaneous	Zoning Letter	\$100.00
145	Development	Miscellaneous	Zoning Ordinance	\$30.00 Per Paper Copy / \$10 Digital Format
146	Development	Miscellaneous	Park and Open Space Identification Markers	\$175/Post
147	Fines			
148	Fines	Code Enforcement	Weeds, Tall, Abatement	\$55.00 Plus Actual Cost
149	Fines	Code Enforcement	Weeds, Tall, Abatement	\$105.00 Plus Actual Cost
150	Fines	Code Enforcement	Weeds, Tall, Abatement	\$205.00 Plus Actual Cost

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
				\$500.00 (plus 1-day suspension) or, in lieu of the suspension and the fine, at the City Council's discretion, participation of all employees in an educational program approved by the Public Safety Director
151	Fines	License	Cannabinoid & Low Potency THC, Underage Sale	
152	Fines	License	Cannabinoid & Low Potency THC, Underage Sale	\$1,000.00 (Plus 3-Day Suspension)
153	Fines	License	Cannabinoid & Low Potency THC, Underage Sale	\$2,000.00 (Plus 7-Day Suspension)
154	Fines	License	Cannabinoid & Low Potency THC, Underage Sale	30-day Suspension
155	Fines	License	False Alarms, Commercial (0-4)	No Charge
156	Fines	License	False Alarms, Commercial (5-6)	\$75.00 Each
157	Fines	License	False Alarms, Commercial (7-9)	\$150.00 Each
158	Fines	License	False Alarms, Commercial (10+)	\$300.00 Each
				\$500.00 (plus 1-day suspension) or, in lieu of the suspension and the fine, at the City Council's discretion, participation of all employees in an educational program approved by the Public Safety Director
159	Fines	License	Liquor, Underage Sale	
160	Fines	License	Liquor, Underage Sale	\$1,000.00 (Plus 3-Day Suspension)
161	Fines	License	Liquor, Underage Sale	\$1,500.00 (Plus 7-Day Suspension)
162	Fines	License	Liquor, Underage Sale	Revocation
163	Fines	License	Tobacco, Underage Sale, Licensee	\$300.00
164	Fines	License	Tobacco, Underage Sale, Licensee	\$600.00
165	Fines	License	Tobacco, Underage Sale, Licensee	\$1,000.00 (Plus 7-Day Suspension)
166	Fines	License	Tobacco, Underage Sale, Licensee	License Revocation
167	Fines	License	Tobacco, Underage Sales, Employee/Seller	\$50.00
168	General Services			
169	General Services	Copying/Printing	Copies	\$0.25
170	General Services	Copying/Printing	City Maps, Urban or Rural	\$5.00 Each
171	General Services	Copying/Printing	Printing, Large Format, Black and White	\$5.00 Each
172	General Services	Copying/Printing	Printing, Large Format, Color	\$10.00 Each
173	General Services	Finance	Assessment Search	\$20.00
174	General Services	Finance	Credit Card Fee's - For All Activities Except Golf, Ice Arena, HERO Center, and Recreation.	\$2.50 or 3.75% (or actual cost of processing the credit card)
175	General Services	Finance	Credit Card Fee's - Recreation	6.98% for online payments (or actual cost of processing credit card)
176	General Services	Finance	Finance Charge on Accounts Receivable Aged Greater than 30 Days	1.5% Per Month or \$1.00 Minimum
177	General Services	Finance	Finance, Projects	3%
178	General Services	Finance	Nonsufficient Fund Charge	\$35.00
				1% of the First \$10 Million in Requested Financing, with 1/2 of the 1% Fee Being Charged on the Remaining Issue
179	General Services	Finance	Tax-Exempt Revenue Bond Financing	
180	General Services	Finance	Administrative fee for conduit debt	Actual out of Pocket Costs

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
181	General Services	Miscellaneous	Administration, Projects	2%
182	General Services	Miscellaneous	Special Meeting Fee	\$500.00
183	General Services	Miscellaneous	Appeals to the city administrator filing fee	\$200.00/Each
184	General Services	Miscellaneous	City Hall Facility Use	Cleaning Fee, Additional - \$40.00 per Hour. One Hour Minimum Charge
185	General Services	Miscellaneous	Election Filing Fee	\$5.00
186	Golf Course			
187	Golf Course	Cart Rental	Daily	\$32.00
188	Golf Course	Cart Rental	Daily	\$40.00
189	Golf Course	Cart Rental	Senior, Non-Primetime	\$22.00
190	Golf Course	Cart Rental	Senior, Non-Primetime	\$30.00
191	Golf Course	Cart Rental	Twilight	\$30.00
192	Golf Course	Facility Rental	1/2 Banquet Room	\$1,000.00
193	Golf Course	Facility Rental	Main Banquet Room	\$1,500.00
194	Golf Course	Facility Rental	Wedding Rental	\$4,500.00
195	Golf Course	Facility Rental	Wedding Rental & Ceremony	\$6,000.00
196	Golf Course	Food Minimum	Main Banquet Room	\$2,500.00
197	Golf Course	Food Minimum	Main Banquet Room- Wedding	\$4,500.00
198	Golf Course	Food Minimum	Partial Rooms	\$1,500.00
199	Golf Course	Greens Fee (Juniors)	18 Hole, After 1 PM	\$25.00
200	Golf Course	Greens Fee (Juniors)	2 Hours Before Dark	\$10.00
201	Golf Course	Greens Fee (Juniors)	9 Hole, After 1 PM	\$20.00
202	Golf Course	Greens Fee (Non-Patron)	18 Hole, Friday - Sunday & Holiday	\$47.00
203	Golf Course	Greens Fee (Non-Patron)	18 Hole, Monday - Thursday	\$42.00
204	Golf Course	Greens Fee (Non-Patron)	9 Hole, Friday - Sunday & Holiday, After 1 PM	\$28.00
205	Golf Course	Greens Fee (Non-Patron)	9 Hole, Monday - Thursday	\$28.00
206	Golf Course	Greens Fee (Patron)	18 Hole, Friday - Sunday & Holiday	\$44.00
207	Golf Course	Greens Fee (Patron)	18 Hole, Monday - Thursday	\$39.00
208	Golf Course	Greens Fee (Patron)	9 Hole, Friday - Sunday & Holiday, After 1 PM	\$26.00
209	Golf Course	Greens Fee (Patron)	9 Hole, Monday - Thursday	\$26.00
210	Golf Course	Greens Fee (Seniors)	18 Hole, Friday - Sunday & Holiday	\$38.00
211	Golf Course	Greens Fee (Seniors)	18 Hole, Monday - Thursday	\$29.00
212	Golf Course	Greens Fee (Seniors)	9 Hole, Friday - Sunday & Holiday, After 1 PM	\$22.00
213	Golf Course	Greens Fee (Seniors)	9 Hole, Monday - Thursday	\$21.00
214	Golf Course	Greens Fee (Twilight Golf)	Walking	\$28.00
215	Golf Course	Practice Range	Range Balls	\$8.00
216	Golf Course	Practice Range	Range Balls	\$13.00
217	Golf Course	Practice Range	Range Balls	\$16.00
218	Golf Course	Season Pass	Couple	\$2,700.00
219	Golf Course	Season Pass	Couple, Weekday	\$2,250.00
220	Golf Course	Season Pass	Half Cart Pass	\$800.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
221	Golf Course	Season Pass	Half Cart Pass, Senior	\$650.00
222	Golf Course	Season Pass	Individual	\$1,800.00
223	Golf Course	Season Pass	Individual, Weekday	\$1,500.00
224	Golf Course	Season Pass	Junior, Weekday	\$475.00
225	Golf Course	Season Pass	Junior, Weekends After 1 PM	\$675.00
226	Golf Course	Season Pass	Practice Range, Member	\$450.00
227	Golf Course	Season Pass	Practice Range, Non-Member	\$750.00
228	Golf Course	Season Pass	Senior	\$1,475.00
229	Golf Course	Season Pass	Senior, Husband/Wife	\$2,250.00
230	Golf Course	Season Pass	Senior, Husband/Wife, Weekday	\$1,850.00
231	Golf Course	Season Pass	Senior, Weekday	\$1,250.00
232	Golf Course	Tournament	Shotgun, Before May 15 or After Sep 19	\$5,500.00
233	Golf Course	Tournament	Shotgun, Before May 15 or After Sep 19	\$6,500.00
234	Golf Course	Tournament	Shotgun, May 16 thru Sep 18	\$7,500.00
235	Golf Course	Tournament	Shotgun, May 16 thru Sep 18	\$8,500.00
236	Golf Course	Ride Along Fee	Ride Along Fee	\$12.00
237	Golf Course	Trail Fee	Trail Fee	Current rate
238	Ice Arena			
239	Ice Arena	High School Hockey Games	Double - Admission Charged Varsity or JV games - Boys	50/50 Split - \$2,000 Minimum per Game
240	Ice Arena	High School Hockey Games	Double - Admission Charged Varsity or JV games - Girls	50/50 Split - \$1,500 Minimum per Game
241	Ice Arena	High School Hockey Games	Single - Admission Charged Varsity or JV games - Boys	50/50 Split - \$1,500 Minimum per Game
242	Ice Arena	High School Hockey Games	Single - Admission Charged Varsity or JV games - Girls	50/50 Split - \$1,200 Minimum per Game
243	Ice Arena	North & West Rink Ice Rental	72 Hour Deal	\$175.00 Plus Tax
244	Ice Arena	North & West Rink Ice Rental	Monday - Friday	\$245.00 Plus Tax
245	Ice Arena	North & West Rink Ice Rental	Monday - Friday	\$175.00 Plus Tax
246	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$190.00 Plus Tax
247	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$180.00 Plus Tax
248	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$170.00 Plus Tax
249	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$165.00 Plus Tax
250	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$160.00 Plus Tax

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
251	Ice Arena	North & West Rink Ice Rental	Off Season (April 1 – August 31)	\$175.00 Plus Tax
252	Ice Arena	North & West Rink Ice Rental	Saturday & Sunday	\$245.00 Plus Tax
253	Ice Arena	North & West Rink Ice Rental	Saturday & Sunday	\$175.00 Plus Tax
254	Ice Arena	Public Skating	Figure Skaters Practice - North or West Rink	\$14.00 Per Person
255	Ice Arena	Public Skating	Figure Skaters Practice - South Rink	\$7.00 Per Person
256	Ice Arena	Public Skating	Open Hockey	\$7.00 Per Person
257	Ice Arena	Public Skating	Public Skating	\$7.00 Per Person
258	Ice Arena	Public Skating	Public Skating Punch Card	\$49.00 Each
259	Ice Arena	Rentals, Other	Ice Resurfacing, Extra	\$25.00
260	Ice Arena	Rentals, Other	Marquee Sign	\$10.00 Per Day Per Side
261	Ice Arena	Rentals, Other	Meeting Room	\$30.00 Per Hour
262	Ice Arena	Rentals, Other	Skate Rental	\$7.00 Per Pair
263	Ice Arena	Rentals, Other	Skate Sharpening	\$7.00 Per Pair
264	Ice Arena	Rentals, Other	Skate Sharpening Punch Card	\$49.00/ 8 Sharpening's
265	Ice Arena	South Rink Ice Rental	72 Hour Deal	\$135.00 Plus Tax
266	Ice Arena	South Rink Ice Rental	Monday - Friday	\$145.00 Plus Tax
267	Ice Arena	South Rink Ice Rental	Monday - Friday	\$135.00 Plus Tax
268	Ice Arena	South Rink Ice Rental	Off Season (April 1 – August 31)	\$145.00 Plus Tax
269	Ice Arena	South Rink Ice Rental	Off Season (April 1 – August 31)	\$135.00 Plus Tax
270	Ice Arena	South Rink Ice Rental	Saturday & Sunday	\$145.00 Plus Tax
271	Ice Arena	South Rink Ice Rental	Saturday & Sunday	\$135.00 Plus Tax
272	Ice Arena	Turf Rental	March - September	\$100.00 Plus Tax
273	Licenses			
274	Licenses	Business	Adult Entertainment, Principal Uses	\$5,000.00 Plus Investigation Fee of \$2,060.00 In-State; up to \$10,300.00 Out-Of-State
275	Licenses	Business	Beekeeping	\$100.00 Every 2 Years
276	Licenses	Business	Chicken and Duck Keeping	\$100.00 Every 2 Years
277	Licenses	Business	Fireworks Sales, Retail (Accessory Seller)	\$100.00
278	Licenses	Business	Fireworks Sales, Retail (Principal Seller)	\$350.00
279	Licenses	Business	Gambling, Investigation Fee (Premises Permits and Bingo Halls)	\$250.00
280	Licenses	Business	Gambling, Permit and State Licensing Exemptions	\$100.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
281	Licenses	Business	Liquor, 3.2% Malt Liquor, Investigation Fee	\$250.00 (Except Temporary Licenses)
282	Licenses	Business	Liquor, 3.2% Malt Liquor, Off Sale	\$200.00 Per Calendar Year
283	Licenses	Business	Liquor, 3.2% Malt Liquor, Off Sale, Brew Pub	\$200.00 Per Calendar Year
284	Licenses	Business	Liquor, 3.2% Malt Liquor, Off Sale, Small Brewer	\$200.00 Per Calendar Year
285	Licenses	Business	Liquor, 3.2% Malt Liquor, On Sale	\$600.00 Per Calendar Year
286	Licenses	Business	Liquor, 3.2% Malt Liquor, On Sale, Club	\$100.00 Per Calendar Year
287	Licenses	Business	Liquor, 3.2% Malt Liquor, On Sale, Temporary	\$50.00/Day For Each Location
288	Licenses	Business	Liquor, Consumption & Display	\$300.00 Per Calendar Year
289	Licenses	Business	Liquor, Consumption & Display, Temporary	\$25.00 Per Day
290	Licenses	Business	Liquor, Intoxicating, Investigation Fee	\$500.00
291	Licenses	Business	Liquor, Intoxicating, Investigation Fee	\$200.00
292	Licenses	Business	Liquor, Intoxicating, Investigation Fee	Actual Cost
293	Licenses	Business	Liquor, Intoxicating, Off Sale	\$200.00 Per Calendar Year
294	Licenses	Business	Liquor, Intoxicating, Off Sale, Brew Pub Malt Liquor	\$500.00 Per Calendar Year
295	Licenses	Business	Liquor, Intoxicating, Off Sale, Micro distillery	\$200.00 Per Calendar Year
296	Licenses	Business	Liquor, Intoxicating, Off Sale, Small Brewer Malt Liquor	\$200.00 Per Calendar Year
297	Licenses	Business	Liquor, Intoxicating, Off Sale, Wine, Temporary	\$50.00 Per Day for Each Location
298	Licenses	Business	Liquor, Intoxicating, On Sale	\$6,000.00 Per Calendar Year
299	Licenses	Business	Liquor, Intoxicating, On Sale, Community Festival, Temporary	\$50.00 Per Day for Each Location
300	Licenses	Business	Liquor, Intoxicating, On Sale, Brew Pub	\$500.00 Per Calendar Year
301	Licenses	Business	Liquor, Intoxicating, On Sale, Brewer Taproom	\$750.00 Per Calendar Year
302	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$300.00 Per Calendar Year
303	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$500.00 Per Calendar Year
304	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$650.00 Per Calendar Year
305	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$800.00 Per Calendar Year
306	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$1,000.00 Per Calendar Year
307	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$2,000.00 Per Calendar Year
308	Licenses	Business	Liquor, Intoxicating, On Sale, Club	\$3,000.00 Per Calendar Year
309	Licenses	Business	Liquor, Intoxicating, On Sale, Culinary Class	\$750.00 Per Calendar Year
310	Licenses	Business	Liquor, Intoxicating, On Sale, Micro distillery Cocktail Room	\$750.00 Per Calendar Year
311	Licenses	Business	Liquor, Intoxicating, On Sale, Micro distillery, Temporary	\$50.00 Per Day for Each Location
312	Licenses	Business	Liquor, Intoxicating, On Sale, Sports Facility or Cultural Facility, Temporary	\$50.00 Per Day for Each Location
313	Licenses	Business	Liquor, Intoxicating, On Sale, Temporary	\$50.00 Per Day for Each Location
314	Licenses	Business	Liquor, Intoxicating, On Sale, Wine	\$2,000.00 Per Calendar Year
315	Licenses	Business	Liquor, Intoxicating, On Sale, Wine Festival, Temporary	\$50.00 Per Day for Each Location
316	Licenses	Business	Liquor, Intoxicating, Sunday	\$200.00 Per Calendar Year
317	Licenses	Business	Reapplication Fee following Revocation by the Council	Double the Current License Fee

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
318	Licenses	Business	Massage Business	\$100.00 Per Calendar Year; \$100.00 Initial Investigation Fee
319	Licenses	Business	Massage Therapist	\$50.00 Per Calendar Year; \$50.00 Initial Investigation Fee
320	Licenses	Business	Mobile Food Unit Operator License	\$50/Day or \$250/Year
321	Licenses	Business	Pawnbroker	\$1,030.00 Per Calendar Year; \$530.00 Investigation Fee
322	Licenses	Business	Peddler/Transient Merchant	\$105.00 Per Calendar Year/License Period
323	Licenses	Business	Secondhand Goods Dealer, Single or Multiple	\$1,030.00 Per Calendar Year; \$530.00 Investigation Fee
324	Licenses	Business	Solid Waste and Recycling Collector, Commercial	\$365.00 per Calendar Year
325	Licenses	Business	Solid Waste and Recycling Collector, Residential	\$570.00 Per Calendar Year
326	Licenses	Business	Special Event Permit	\$100.00
327	Licenses	Business	Lower-Potency Hemp Edible Retailer Initial Registration (1 License Per Retail Location) (Registration Fee Plus First Renewal Fee)	\$250.00
328	Licenses	Business	Lower-Potency Hemp Edible Retailer Renewal Fee (Per Retail Location)	\$125.00
329	Licenses	Business	Medical Cannabis Combination Initial Registration (Registration Fee Plus First Renewal Fee)	\$1,500.00
330	Licenses	Business	Medical Cannabis Combination (Renewal Fee)	\$1,000.00
331	Licenses	Business	Cannabis Event Organizer Permit (Event Fee and Escrow) (One Event)	250.00 Each Event with a \$5000.00 Escrow
332	Licenses	Business	Micro Initial Registration (Registration Fee Plus First Renewal Fee)	\$1,000.00
333	Licenses	Business	Micro (Renewal Fee)	\$1,000.00
334	Licenses	Business	Mezzo Initial Registration (Registration Fee Plus First Renewal Fee)	\$1,500.00
335	Licenses	Business	Mezzo (Renewal Fee)	\$1,000.00
336	Licenses	Business	Cannabis Cultivator (Registration Fee plus first Renewal Fee)	\$1,500.00
337	Licenses	Business	Cannabis Cultivator (Renewal Fee)	\$1,000.00
338	Licenses	Business	Cannabis Manufacturer (Registration Fee plus first Renewal Fee)	\$1,500.00
339	Licenses	Business	Cannabis Manufacturer (Renewal Fee)	\$1,000.00
340	Licenses	Business	Cannabis Retailer (Registration Fee plus first Renewal Fee)	\$1,500.00
341	Licenses	Business	Cannabis Retailer (Renewal Fee)	\$1,000.00
342	Licenses	Business	Cannabis Wholesaler (Registration Fee Plus First Renewal Fee)	\$1,500.00
343	Licenses	Business	Cannabis Wholesaler (Renewal Fee)	\$1,000.00
344	Licenses	Business	Cannabis Transporter (Registration Fee Plus First Renewal Fee)	\$750.00
345	Licenses	Business	Cannabis Transporter (Renewal Fee)	\$500.00
346	Licenses	Business	Cannabis Testing Facility (Registration Fee Plus First Renewal Fee)	\$1,500.00
347	Licenses	Business	Cannabis Testing Facility (Renewal Fee)	\$1,000.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
348	Licenses	Business	Cannabis Delivery Service (Registration Fee Plus First Renewal Fee)	\$750.00
349	Licenses	Business	Cannabis Delivery Service (Renewal Fee)	\$500.00
350	Licenses	Business	Lower-Potency Hemp Edible Manufacturer (Registration Fee Plus First Renewal Fee)	\$1,000.00
351	Licenses	Business	Lower-Potency Hemp Edible Manufacturer (Renewal Fee)	\$500.00
352	Licenses	Business	Tobacco Sales, Retail	\$250.00 Per Calendar Year
353	Licenses	Rental	Rental Dwelling, Late Fee	\$50.00
354	Licenses	Rental	Rental Dwelling, Multiple Family	\$175 Per Building Plus \$20 Per Unit - Annually
355	Licenses	Rental	Rental Dwelling, Reinspection Fee	\$60.00
356	Licenses	Rental	Rental Dwelling, Single/Duplex/Twin	\$250 Per Unit - Biennially
357	Parks			
358	Parks	Event/Tournament	Class 2	\$0.00
359	Parks	Event/Tournament	Class 3	\$325.00
360	Parks	Event/Tournament	Class 4	\$540.00
361	Parks	Event/Tournament	Class 5	\$695.00
362	Parks	Event/Tournament	Concession Fee	\$55.00
363	Parks	Event/Tournament	Event Staff	TBD
364	Parks	Event/Tournament	Field Chalk	As Quoted by Parks Division
365	Parks	Facility Use	Outdoor Ballfields (2 Hour Minimum)	\$26.00/Hour (Resident); \$36.00/Hour (Non-Resident)
366	Parks	Facility Use	Outdoor Court (2 Hour Minimum)	\$11.00/Hour (Resident); \$16.00/Hour (Non-Resident)
367	Parks	Facility Use	Outdoor Rink Rental	\$60.00/Hour (Resident); \$75.00/Hour (Non-Resident)
368	Parks	Facility Use	Park Building	\$191.00/Day (Resident); \$258.00/Day (Non-Resident)
369	Parks	Facility Use	Park Building: Glacial Valley Park	Resident)
370	Parks	Facility Use	Pavilion, Shelter	\$77.00/Day (Resident); \$103.00/Day (Non-Resident)
371	Parks	Facility Use	Tent/Bounce House Location Marking	\$50.00/Marked Location
372	Parks	Donation	Memorial Bench	\$2,000.00
373	Parks	Donation	Picnic Table	\$1,250.00
374	Parks	Donation	Tree	\$400.00/ or Price of the Tree
375	Permits			
376	Permits	Building	City Contractor Licensing (Excluding Mechanical and Sign Contractor who hold a State License or Bond)	\$60 Annual
377	Permits	Building	Building Permit Fee Table (All New Residential & Commercial Construction, Finishing, Alterations, Remodeling, Additions, Commercial Driveway/Parking Areas, and Swimming Pools Greater than 18 Inches Deep)	\$116 Minimum (Residential) and \$158 Minimum (Commercial)
378	Permits	Building	Building Permit Renewal Fee	1/2 of the Original Permit Fee 180 Days From Issuance Date or 180 Days From Last Inspection Date
379	Permits	Building	Commercial Certificate of Occupancy	\$61.00
380	Permits	Building	Construction and Utility Permits	3% of Construction Cost (\$150.00 Minimum)
381	Permits	Building	Contractor License per permit	\$5.00 License Look-up for Contractors with Licenses at the State

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
382	Permits	Building	Decks (New)	\$182.00
383	Permits	Building	Decks (Remodel - Railing/Stairs Non Structural)	\$121.00
384	Permits	Building	Driveways, Residential	\$90.00
385	Permits	Building	Investigative Fee	Charge Up To But Not Exceeding Permit Fee
386	Permits	Building	Kitchen/Bath Remodel	\$116.00
387	Permits	Building	Manufactured Home	\$116.00
388	Permits	Building	Building Plan Review Fee	\$25.00 Minimum, 68% Maximum of Building Permit Fee
389	Permits	Building	Pool, Inground, Demolition	\$121.00
390	Permits	Building	Pool/Spa	\$61.00
391	Permits	Building	Pool/Spa	\$121.00
392	Permits	Building	Building Permit based on Project Valuation	\$500 - \$2,000: \$33.00 Base Fee for the first \$500 Project Valuation; \$5.00 per additional \$100 Project Valuation \$2,001 - \$25,000: \$94.00 Base Fee for first \$2,000 Project Valuation; \$18.00 per additional \$1,000 Project Valuation \$25,001 - \$50,000: \$518.00 Base Fee for first \$25,000 Project Valuation; \$13.00 per additional \$1,000 Project Valuation \$50,001 - \$100,000: \$849.00 Base Fee for first \$50,000 Project Valuation; \$9.00 per additional \$1,000 Project Valuation \$100,001 - \$500,000: \$1,317.00 Base Fee for first \$100,000 Project Valuation; \$8.00 per additional \$1,000 Project Valuation \$500,001 - \$1,000,000: \$4,267.00 Base Fee for first \$500,000 Project Valuation; \$7.00 per additional \$1,000 Project Valuation \$1,000,00 or Greater: \$7,828.00 Base Fee for first \$1,000,001 Project Valuation; \$6.00 per additional \$1,000 Project Valuation
393	Permits	Building	Residential Temporary Certificate of Occupancy	\$8,000.00 Escrow
394	Permits	Building	Roofing (Commercial)	Project Valuation Fee
395	Permits	Building	Roofing (Residential)	\$121.00
396	Permits	Building	Siding (Residential)	\$121.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
397	Permits	Building	Signs - Temporary	No Fee - Permit Application Required to be Filed with the City
398	Permits	Building	Signs (Pylon/Monument with Footings)	\$121.00
399	Permits	Building	Signs (Wall Mount/Existing Pylon)	\$90.00
400	Permits	Building	Accessory Structures over 200sqft	Project Valuation Fee
401	Permits	Building	Windows/Doors (Existing Openings)	\$121.00
402	Permits	Building	Windows/Doors (Modified Openings)	\$182.00
403	Permits	Building	Wrecking, Moving, Demolition	\$121.00
404	Permits	Electrical	Circuit or Feeder 0 to 200 Amp	\$12.00/Circuit or Feeder
405	Permits	Electrical	Circuit or Feeder Over 200 Amp	\$30.00/Circuit or Feeder
				(1) 0 watts to and including 5,000 watts, \$50 or (2) 5,001 watts to and including 10,000 watts, \$150 or (3) 10,001 watts to and including 20,000 watts, \$225 or (4) 20,001 watts to and including 30,000 watts, \$300 or (5) 30,001 watts to and including 40,000 watts, \$375 or (6) 40,001 watts to and including 1,000,000 watts, \$375 and \$25 for each additional 10,000 watts over 40,000 watts or (7) 1,000,001 watts to 5,000,000 watts, \$3,975 and \$15 for each additional 10,000 watts over 1,000,001 watts or (8) 5,000,001 watts and larger, \$12,975, and \$10 for
406	Permits	Electrical	Solar PV Installations for Electrical	
407	Permits	Electrical	Existing One or Two Family Dwelling: 0 to 14 Feeders or Circuits are Installed or Extended per Unit	\$12.00/Feeder or Circuit
408	Permits	Electrical	Existing One- or Two-Family Dwelling: 15 or More Feeders or Circuits are Installed or Extended per Unit	\$100.00/Dwelling Unit
409	Permits	Electrical	Electrical Permit Fee	\$50.00/Inspection Trip
410	Permits	Electrical	Electrical Inspection (per trip)	\$50.00/Inspection Trip
411	Permits	Electrical	Grounding Electrode, Concrete-Encased (per trip)	\$50/Inspection Trip
412	Permits	Electrical	Manufactured Home Park Lot Supply	\$50/Pedestal
413	Permits	Electrical	New One- or Two-Family Dwelling: 0 to 25 Circuits and Feeders per Unit	\$200.00/Dwelling Unit
414	Permits	Electrical	New One- or Two-Family Dwelling: Additional Circuits over 25 per Unit	\$8.00/Feeder or Circuit
415	Permits	Electrical	Panel Changes	\$100.00/Enclosure
416	Permits	Electrical	Pools	\$100.00
417	Permits	Electrical	Power Source: 0 to 400 Amp (0 to 250 Volts)	\$70.00/Source
418	Permits	Electrical	Power Source: 401 to 800 Amp (0 to 250 Volts)	\$140.00/Source

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
419	Permits	Electrical	Power Source: Over 800 Amp (0 to 250 Volts)	\$200.00/Source
420	Permits	Electrical	Power Source: 0 to 400 Amp (Over 250 Volts)	\$100.00/Source
421	Permits	Electrical	Power Source: 401 to 800 Amp (Over 250 Volts)	\$200.00/Source
422	Permits	Electrical	Power Source: Over 800 Amp (Over 250 Volts)	\$300.00/Source
423	Permits	Electrical	Reconnected Existing Circuit or Feeder (Panel Replacement)	\$100.00/Enclosure
424	Permits	Electrical	Retrofitting of Existing Lighting Fixtures	\$1.00/Fixture
425	Permits	Electrical	RV Pedestals (All Circuits Originating in Pedestal Including Factory Circuits)	\$8.00/Circuit
426	Permits	Electrical	Separate Bonding Inspection	\$50.00/Inspection fee
427	Permits	Electrical	State Surcharge	\$1.00
428	Permits	Electrical	Street, Parking, and Outdoor Lighting Standards	\$5.00/Standard
429	Permits	Electrical	Technology Circuits and Circuits Less than 50 Volts	\$1.00/Device or Apparatus
430	Permits	Electrical	Traffic Signals	\$5.00 Each
431	Permits	Electrical	Transformers for Electronic Power Supplies, Signs, and Outline Lighting	\$5.50 Each
432	Permits	Electrical	Transformers for Light, Heat, and Power: 0 to 10 KVA	\$20.00 Each
433	Permits	Electrical	Transformers for Light, Heat, and Power: More than 10 KVA	\$40.00 Each
434	Permits	Grading/Excavation	Grading As-built Survey Certification	\$39.00
435	Permits	Grading/Excavation	Permit - (0 - 50 Cubic Yards)	\$26.00
436	Permits	Grading/Excavation	Permit - (1,001 - 10,000 Cubic Yards)	\$211.00 Base Fee + \$16.00 Per 1,000 Cubic Yards
437	Permits	Grading/Excavation	Permit - (10,001 - 100,000 Cubic Yards)	\$355.00 Base Fee + \$71.00 Per 10,000 Cubic Yards
438	Permits	Grading/Excavation	Permit - (100,001 - or more Cubic Yards)	\$994.00 Base Fee + \$39.00 Per 10,000 Cubic Yards
439	Permits	Grading/Excavation	Permit - (101 - 1,000 Cubic Yards)	\$40.00 Base Fee + \$19.00 Per 100 Cubic Yards
440	Permits	Grading/Excavation	Permit - (51 - 100 Cubic Yards)	\$40.00
441	Permits	Grading/Excavation	Plan Review (0-50 Cubic Yards)	No Fee
442	Permits	Grading/Excavation	Plan Review (1,001 - 10,000 Cubic Yards)	\$53.00
443	Permits	Grading/Excavation	Plan Review (10,001 - 100,000 Cubic Yards)	\$53.00 Base Fee + \$26.00 per 10,000 Cubic Yards
444	Permits	Grading/Excavation	Plan Review (100,001 - 200,000 Cubic Yards)	\$287.00 Base Fee + \$14.00 per 10,000 Cubic Yards
445	Permits	Grading/Excavation	Plan Review (101-1,000 Cubic Yards)	\$40.00
446	Permits	Grading/Excavation	Plan Review (200,001 or more Cubic Yards)	\$427.00 Base Fee + \$7.75 per 10,000 Cubic Yards
447	Permits	Grading/Excavation	Plan Review (51 - 100 Cubic Yards)	\$26.00
448	Permits	Grading/Excavation	Site Grading Inspection Fee	\$66.00
449	Permits	Inspections	Curb Box Inspection	\$170.00
450	Permits	Inspections	Erosion Control Inspection (Residential Lot Not Covered by Development Agreement)	\$825.00
451	Permits	Inspections	Inspections For Which No Fee Is Specifically Indicated	\$58.00 per Hour Minimum 1-Hour Fee
452	Permits	Inspections	Inspections Outside Normal Business Hours	\$110.00 Minimum
453	Permits	Inspections	Reinspection Fee	\$61.00 Maximum Per Site/Project Visit

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
454	Permits	Inspections	Boulevard Tree/Sod Inspection	\$165.00
455	Permits	Fire Alarm Note: Add State Surcharge	Fire Alarm	2% of Construction Value, \$158 Minimum
456	Permits	Fire Suppression Note: Add State Surcharge	Fire Suppression	2% of Construction Value, \$158 Minimum
457	Permits	Plant Registration	Plant Registration	.01 Cents/Square Foot
458	Permits	Mechanical/Plumbing (Commercial) Note: Add State Surcharge	Mechanical	2% of Contract Price, \$158 Minimum
459	Permits	Mechanical/Plumbing (Commercial) Note: Add State Surcharge	Plumbing, Domestic	2% of Contract Price, \$158 Minimum
460	Permits	Mechanical/Plumbing (Commercial) Note: Add State Surcharge	Plumbing, Irrigation	2% of Contract price, \$158 Minimum
461	Permits	Mechanical/Plumbing (Commercial) Note: Add State Surcharge	Sewer Line	\$168.00
462	Permits	Mechanical/Plumbing (Commercial) Note: Add State Surcharge	Water Line	\$168.00
463	Permits	Mechanical/Plumbing (Residential) Note: Add State Surcharge	Mechanical/Plumbing Permit Fees (Residential): Addition/Alteration/Remodel	\$61.00 Base Fee (Includes 1 Fixture) Plus \$12.00 Each Additional Fixture (\$231 Maximum Permit Fee)
464	Permits	Mechanical/Plumbing (Residential) Note: Add State Surcharge	New Home	\$231.00
465	Permits	Miscellaneous Permit Fees	Building Inspection Card Replacement	\$42.00
466	Permits	State Surcharges, Building/Mechanical/Plumbing Permits	State Surcharges based on Project Valuation	(1) \$1,000,000 or less; \$0.00 Base Fee + .0003 x valuation or (2) \$1,000,001 - \$2,000,000; \$525 Base Fee + .0004 x valuation - \$1,000,000 or (3) \$2,000,001 - \$3,000,000; \$950 Base Fee + .0003 x valuation - \$2,000,000 or (4) \$3,000,001 - \$4,000,000; \$1,250 Base Fee + .0002 x valuation - \$3,000,000 or (5) \$4,000,001 - \$5,000,000; \$1,450 Base Fee + .0001 x valuation - \$4,000,000 or (6) Greater than \$5,000,001; \$1,550 Base Fee + .00005 x valuation - \$5,000,000
467	Permits	State Surcharges, Building/Mechanical/Plumbing Permits	State Surcharge based on Fixed Fees	\$1.00
468	Permits	Zoning	Patios and Parking Areas, Residential	\$61.00/One Inspection
469	Permits	Zoning	Accessory Structures under 200sqft	\$61.00/One Inspection
470	Public Safety			
471	Public Safety	Data Requests	Data Requests, Other	Determined by Actual Production Cost
472	Public Safety	Data Requests	Photographs	\$20.00 (JPG Format on CD)
473	Public Safety	Data Requests	Police/Fire Reports	\$0.25 Per Page Over 25 Pages
474	Public Safety	Data Requests	Recordings, Audio	\$20.00 (CD/DVD)
475	Public Safety	Data Requests	Recordings, Squad Video (L3)	\$20.00 (DVD)

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
476	Public Safety	Data Requests	Recordings, Video	\$20.00 (DVD)
477	Public Safety	Data Requests	Transcription of Audio Recording	Determined by Actual Time at Current Transcription Rate
478	Public Safety	Fire Services	Burning Permit, Commercial	\$50.00
479	Public Safety	Fire Services	Day Care Facility Inspection	\$50.00
480	Public Safety	Fire Services	Fire Equipment Use	All Fire Equipment Use Based on Current FEMA Rates
481	Public Safety	Fire Services	Fire Permit	1st Permit \$20.00 per Year; Each Additional Permit \$5.00
482	Public Safety	Fire Services	Hazardous Materials and Other Charges for Service	\$150.00 Per Hour Per Person Plus Materials. Minimum Charge of 4 Hours.
483	Public Safety	Fire Services	Tank Installation Permit	1% of Value (\$100.00 Minimum)
484	Public Safety	Fire Services	Title III Facility Inspection	\$50.00
485	Public Safety	Police Services	Blood Alcohol Test	\$100.00
486	Public Safety	Police Services	Clearance Letters (i.e. Adoption, Passport, Etc.)	\$20.00
487	Public Safety	Police Services	Daycare Checks	\$20.00 Per Adult
488	Public Safety	Police Services	Excessive Use of Police Services (1 to 2 nuisance service call(s) within 12 months)	No Charge
489	Public Safety	Police Services	Excessive Use of Police Services (3rd nuisance service call within 12 months)	\$200.00
490	Public Safety	Police Services	Excessive Use of Police Services (4th nuisance service call within 12 months)	\$400.00
491	Public Safety	Police Services	Excessive Use of Police Services (5th nuisance service call within 12 months)	\$800.00
492	Public Safety	Police Services	Excessive Use of Police Services (6th nuisance service call within 12 months)	\$1,600.00
493	Public Safety	Police Services	Excessive Use of Police Services (7th nuisance service call within 12 months and all subsequent nuisance calls)	\$2,000.00
494	Public Safety	Police Services	Fingerprinting (Resident)	\$25.00
495	Public Safety	Police Services	Fingerprinting (Non-resident)	\$35.00
496	Public Safety	Police Services	Law Enforcement, Police Officer	\$130.00 Per Hour
497	Public Safety	Police Services	Lockouts, Car Door Unlocking	\$35.00 Per Event
498	Public Safety	Police Services	Special Response Team (Outside Of Washington County)	Per Current Mutual Aid Agreement
499	Public Safety	Towing and Impound	Administrative Fee	\$65.00
500	Public Safety	Towing and Impound	Impound, Storage Fee	\$10.00 Per Day for First 30 Days/\$30.00 Per Month Thereafter
501	Public Safety	Towing and Impound	Towing Fee	Per Current Towing Contract
502	Public Safety	Towing and Impound	Towing/Storage Charge	Per Current Towing Contract
503	Public Safety	Towing and Impound	Vehicle Impoundment	Per Current Towing Contract
504	Public Works			
505	Public Works	Equipment	Air Compressor	\$43.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
506	Public Works	Equipment	Asphalt Roller	\$37.00
507	Public Works	Equipment	Backhoe	\$86.00
508	Public Works	Equipment	Blower	\$22.00
509	Public Works	Equipment	Brush Saw	\$22.00
510	Public Works	Equipment	Chainsaw	\$22.00
511	Public Works	Equipment	Chipper	\$65.00
512	Public Works	Equipment	Grader	\$118.00
513	Public Works	Equipment	Hotsy	\$32.00
514	Public Works	Equipment	Hydro Mulcher (Additional Charges for Product Used)	\$80.00
515	Public Works	Equipment	Loader, 3-Yard	\$99.00
516	Public Works	Equipment	Loader, Skid steer	\$69.00
517	Public Works	Equipment	Mower	\$43.00
518	Public Works	Equipment and Labor	Operator, Equipment, Overtime Rate	\$95.00/Hour
519	Public Works	Equipment and Labor	Operator, Equipment, Standard Rate	\$67.00/Hour
520	Public Works	Equipment	Paint Striper	\$48.00
521	Public Works	Equipment	Patch Truck	\$118.00
522	Public Works	Equipment	Paver, Pull Type	\$43.00
523	Public Works	Equipment	Paver, Track Type	\$204.00
524	Public Works	Equipment	Power Broom	\$22.00
525	Public Works	Equipment	Sewer Vac (Requires 2 Operators)	\$194.00
526	Public Works	Equipment	Sign Truck	\$53.00
527	Public Works	Equipment	Snowblower	\$22.00
528	Public Works	Equipment	Spray Patcher	\$91.00
529	Public Works	Equipment	Sweeper	\$108.00
530	Public Works	Equipment	Tar Kettle	\$22.00
531	Public Works	Equipment	Tractor with Clam	\$58.00
532	Public Works	Equipment	Tractor, Holder, with Mower	\$64.00
533	Public Works	Equipment	Tractor, Large, with Mower	\$64.00
534	Public Works	Equipment	Tractor, Small, with Mower	\$48.00
535	Public Works	Equipment	Traffic Counter	\$12.00
536	Public Works	Equipment	Trailer	\$16.00
537	Public Works	Equipment	Trailer, Arrow Board	\$27.00
538	Public Works	Equipment	Trailer, Jetter	\$75.60
539	Public Works	Equipment	Trailer, Tandem Axle	\$27.00
540	Public Works	Equipment	Trencher	\$53.00
541	Public Works	Equipment	Truck, Bucket	\$108.00
542	Public Works	Equipment	Truck, Dump, 1-Ton	\$53.00
543	Public Works	Equipment	Truck, Dump, Single Axle	\$58.00
544	Public Works	Equipment	Truck, Dump, Single Axle with Plow/Attachment	\$91.00
545	Public Works	Equipment	Truck, Dump, Tandem Axle	\$91.00
546	Public Works	Equipment	Truck, Dump, Tandem Axle with Plow/Attachment	\$96.00
547	Public Works	Equipment	Truck, Pickup	\$46.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
548	Public Works	Equipment	Truck, Pickup with Plow/Attachment	\$58.00
549	Public Works	Equipment	Truck, Tanker	\$80.00
550	Public Works	Equipment	Wacker	\$18.00
551	Public Works	Right-of-Way	Curb Cuts - Residential	\$50.00
552	Public Works	Right-of-Way	Load Limit Permit	\$72.00 Each Trip
553	Public Works	Right-of-Way	Right-of-Way Delay Penalty Fee	\$80.00 (up to 3 Days) + \$16.00/Day (After 3 Days)
554	Public Works	Right-of-Way	Right-of-Way Excavation Permit Fee: Hole	\$225.00
555	Public Works	Right-of-Way	Right-of-Way Excavation Permit Fee: Trench or Bore	\$75.00/100 Lineal Feet + Hole Fee (\$225.00)
556	Public Works	Right-of-Way	Right-of-Way Non-excavation Fee, Aerial or Overhead Lines	\$53.00 Plus \$5.25 per 100 Linear Feet
557	Public Works	Right-of-Way	Right-of-Way Obstruction Permit Fee	\$225.00 + \$0.21/Lineal Foot of Obstruction
558	Public Works	Right-of-Way	Right-of-Way Permit Extension Fee	\$75.00
559	Public Works	Right-of-Way	Right-of-Way Registration Fee	\$105.00 Annually
560	Public Works	Right-of-Way	Right-of-Way Sidewalk, Apron, Commercial	\$225.00
561	Public Works	Right-of-Way	Small Wireless Facility Installation (6 to 15 Facilities)	\$104.00 Per Facility
562	Public Works	Right-of-Way	Small Wireless Facility Installation (up to 5 facilities)	\$520.00
563	Public Works	Right-of-Way	Small Wireless Facility Installation, Plan Review Escrow	\$10,000.00 (Unused Escrow Amount Returned)
564	Public Works	Right-of-Way	Small Wireless Facility, Collocation Rental	\$182.00 Per Facility Per Year (\$156.00 Rental/\$26.00 Maintenance)
565	Public Works	Right-of-Way	Work Without a Permit	Double Permit Fee
566	Public Works	Signs	10' Galvanized Round Post	\$32.00
567	Public Works	Signs	10' Galvanized Square Post	\$48.00
568	Public Works	Signs	12' Galvanized Round Post	\$32.00
569	Public Works	Signs	3" X 60" Post Delineators	\$32.00
570	Public Works	Signs	6'3# Green Channel Post	\$22.00
571	Public Works	Signs	7'2# Galvanized Channel Post	\$22.00
572	Public Works	Signs	7'3# Galvanized Channel Post	\$32.00
573	Public Works	Signs	8'2# Green Channel Post	\$32.00
574	Public Works	Signs	9 Button Marker	\$32.00
575	Public Works	Signs	Band-It Hardware Average	\$22.00
576	Public Works	Signs	Crosswalk Arrow	\$43.00
577	Public Works	Signs	Crosswalk Sign	\$96.00
578	Public Works	Signs	Heavy Duty Cap Bracket 12"	\$22.00
579	Public Works	Signs	Heavy Duty T Bracket 12"	\$22.00
580	Public Works	Signs	Island Keep Right Sign	\$48.00
581	Public Works	Signs	Light Pole Bracket	\$27.00
582	Public Works	Signs	Marker Band	\$16.00
583	Public Works	Signs	No Parking Sign	\$27.00
584	Public Works	Signs	Nuts and Bolts Per Sign	\$10.00
585	Public Works	Signs	Speed Limit Sign 24" X 30"	\$43.00
586	Public Works	Signs	Square Surface Mount Bracket Break Away	\$166.00
587	Public Works	Signs	Stop Sign - 30" Visual Impact Perception	\$86.00
588	Public Works	Signs	Stop Sign - 36" Visual Impact Perception	\$113.00

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
589	Public Works	Signs	Street Name Sign - 24" Visual Impact Perception	\$101.00
590	Public Works	Signs	Street Name Sign - 28" Visual Impact Perception	\$101.00
591	Public Works	Signs	Street Name Sign - 30" Visual Impact Perception	\$108.00
592	Public Works	Signs	Street Name Sign - 34" Visual Impact Perception	\$113.00
593	Public Works	Signs	Street Name Sign - 36" Visual Impact Perception	\$118.00
594	Public Works	Signs	Street Name Sign - 42" Visual Impact Perception	\$129.00
595	Public Works	Signs	Street Name Sign 48" Visual Impact Perception	\$134.00
596	Public Works	Signs	Warning Sign - 30" Visual Impact Perception	\$86.00
597	Public Works	Signs	Warning Sign - 36" Visual Impact Perception	\$118.00
598	Public Works	Spring Clean up	Grill	\$15.00
599	Public Works	Spring Clean up	Push mower	\$15.00
600	Public Works	Spring Cleanup	Air Conditioner	\$10.00
601	Public Works	Spring Cleanup	Appliances, Ammonia Refrigerant	\$100.00 and Up
602	Public Works	Spring Cleanup	Bulbs, Fluorescent	No Charge
603	Public Works	Spring Cleanup	By Load (Car Trunk)	\$30.00 - \$70.00
604	Public Works	Spring Cleanup	By Load (Pickup Truck)	\$70.00 - \$170.00
605	Public Works	Spring Cleanup	By Load (SUV/Station Wagon)	\$40.00 - \$90.00
606	Public Works	Spring Cleanup	By Load Box Truck	\$90.00 +
607	Public Works	Spring Cleanup	Car Battery	No Charge
608	Public Works	Spring Cleanup	Chair	\$10.00
609	Public Works	Spring Cleanup	Computers	No Charge
610	Public Works	Spring Cleanup	Dishwasher	\$10.00
611	Public Works	Spring Cleanup	Electronics	No Charge
612	Public Works	Spring Cleanup	Exercise Equipment	\$15.00
613	Public Works	Spring Cleanup	Freezer	\$10.00
614	Public Works	Spring Cleanup	Lumber, Railroad Tie, 6X6 or 6X8	\$10.00
615	Public Works	Spring Cleanup	Lumber, Treated, 2X4	\$5.00
616	Public Works	Spring Cleanup	Lumber, Treated, 4X4	\$8.00
617	Public Works	Spring Cleanup	Mattress or Box Spring	\$20.00
618	Public Works	Spring Cleanup	Mattress, Crib	\$10.00
619	Public Works	Spring Cleanup	Microwave	No Charge
620	Public Works	Spring Cleanup	Paint, Household, Latex or Oil Based	No Charge
621	Public Works	Spring Cleanup	Refrigerator (No Gas Ammonia)	\$10.00
622	Public Works	Spring Cleanup	Snow Blower	\$25.00
623	Public Works	Spring Cleanup	Sofa	\$15.00
624	Public Works	Spring Cleanup	Stove	\$10.00
625	Public Works	Spring Cleanup	Television	No Charge
626	Public Works	Spring Cleanup	Tire, Car/Light Truck	\$5.00 Each
627	Public Works	Spring Cleanup	Tire, Semi Truck	\$15.00 Each
628	Public Works	Spring Cleanup	Tire, Tractor	\$35.00 Each
629	Public Works	Spring Cleanup	Washer or Dryer	\$10.00 Each
630	Public Works	Spring Cleanup	Water Heater	\$10.00 Each

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
631	Public Works	Spring Cleanup	Water Softener	\$10.00 Each
632	Public Works	Street Lights	Fixture, Cobra Head, LED	\$1,468.50 Each or Current Cost
633	Public Works	Street Lights	Fixture, Concrete, LED	\$2,964.50 Each or Current Cost
634	Public Works	Street Lights	Fixture, Granville, LED	\$1,864.50 Each or Current Cost
635	Public Works	Street Lights	Fixture, Residential, LED	\$1,978.90 Each or Current Cost
636	Public Works	Street Lights	Mast Arm, Pole	\$907.50 Each or Current Cost
637	Public Works	Street Lights	Mast Arm, Pole, Dual	\$907.50 Each or Current Cost
638	Public Works	Street Lights	Pole, Commercial, Round Tapered - 20'	\$2,420.00 Each or Current Cost
639	Public Works	Street Lights	Pole, Commercial, Round Tapered - 30'	\$4,000 Each or Current Cost
640	Public Works	Street Lights	Pole, Commercial Round- 30'	\$3,000 Each or Current Cost
641	Public Works	Street Lights	Pole, Concrete	\$4,235.00 Each or Current Cost
642	Public Works	Street Lights	Pole, Decorative, 14'	\$2,524.50 Each or Current Cost
643	Public Works	Street Lights	Pole, Decorative, 18'	\$3,245.00 Each or Current Cost
644	Public Works	Street Lights	Pole, Residential	\$1,622.50 Each or Current Cost
645	Public Works	Street Lights	Pole, Decorative Site Link 30'	\$5,400.00 Each or Current Cost
646	Public Works	Street Lights	LED Luminaire	\$2,200 Each or Current Cost
647	Public Works	Street Lights	Mast Arm	\$1,400 Each or Current Cost
648	Utilities			
649	Utilities	Permits/Rentals	2½" Hydrant Water Meter, Deposit	\$1,500.00 (Actual Cost of Meter)
650	Utilities	Permits/Rentals	2½" Hydrant Water Meter, Permit Fee	\$75.00
651	Utilities	Permits/Rentals	2½" Hydrant Water Meter, Rental Fee	\$5.00 Per Day
652	Utilities	Permits/Rentals	2½" Meter, Consumption Charge	\$5.00 per 1,000 Gallons Consumption
653	Utilities	Permits/Rentals	¾" Adapter, Consumption Charge	\$5.00 per 1,000 Gallons Consumption
654	Utilities	Permits/Rentals	¾" Adapter, Deposit	\$300.00
655	Utilities	Permits/Rentals	¾" Adapter, Permit Fee	\$75.00
656	Utilities	Permits/Rentals	¾" Adapter, Rental Fee	\$5.00 Per Day
657	Utilities	Permits/Rentals	Fire Hydrant Hookup Permit	\$50.00
658	Utilities	Services	Accuracy Test of Water Meter (Requested by Water User) Outsource Meter Accuracy Certification	\$157.50
659	Utilities	Services	Utility Account Turn-off Fee	\$78.75
660	Utilities	Services	Water and Sewer Restoration Fee	\$5.00 Plus 6% Interest Per Annum
661	Utilities	Services	Water Reconnection or Turn-on Fee (Outside Water Department Regular Working Hours)	\$109.00 Per Occurrence; \$190.00 on Holidays
662	Utilities	Sewer Usage Rates	Commercial	\$5.06 Per Month
663	Utilities	Sewer Usage Rates	Commercial	\$4.47 Per 1,000 Gallons
664	Utilities	Water Usage Rates	Commercial, Usage (Municipal Customer)	6% Over Commercial Rate
665	Utilities	Sewer Usage Rates	Residential	\$5.06 Per Month
666	Utilities	Sewer Usage Rates	Residential	\$4.47 Per 1,000 Gallons
667	Utilities	Stormwater Utility Fees	1.5+ Acre Residential	\$4.79 per Residential Unit Per Month

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
668	Utilities	Stormwater Utility Fees	Agricultural Land with Structure	\$72.39 Per Parcel With Structure Per Year
669	Utilities	Stormwater Utility Fees	Apartments	\$1.51 Per Residential unit Per Month
670	Utilities	Stormwater Utility Fees	Cemeteries	\$11.42 Per Acre Per Year
671	Utilities	Stormwater Utility Fees	Churches	\$25.10 Per Impervious Surface Acre Per Month
672	Utilities	Stormwater Utility Fees	Commercial / Industrial	\$25.10 Per Impervious Surface Acre Per Month
673	Utilities	Stormwater Utility Fees	Golf Courses	\$11.42 Per Acre Per Year
674	Utilities	Stormwater Utility Fees	Mining	\$11.42 Per Acre Per Year
675	Utilities	Stormwater Utility Fees	Schools	\$25.10 Per Impervious Surface Acre Per Month
676	Utilities	Stormwater Utility Fees	Single Family Home	\$6.47 Per Residential Unit Per Month
677	Utilities	Stormwater Utility Fees	Townhomes	\$3.13 Per Residential Unit Per Month
				\$6.32 Per Month Per Residential Lot Equivalent (2.5 Lots/Acre for Commercial and Churches; 1.25 Lots/Acre For Schools)
678	Utilities	Street Light Rates	City-Owned, Commercial	
679	Utilities	Street Light Rates	City-Owned, Residential	\$6.32 Per Month Per Lot
680	Utilities	Street Light Rates	Rural	\$6.22 Per Year
681	Utilities	Street Light Rates	Xcel Owned	\$7.61 Per Month
682	Utilities	Water Meters	Angle Valve - Flare Connection (each)	\$89.00
683	Utilities	Water Meters	Angle Valve - Compression Connection (each)	\$126.00
684	Utilities	Water Meters	5/8-Inch Model 420	\$200.00 Plus Sales Tax
685	Utilities	Water Meters	3/4-Inch Model 435	\$221.00 Plus Sales Tax
686	Utilities	Water Meters	2-Inch Compound	Actual Cost Plus Sales Tax
687	Utilities	Water Meters	Flange Kit (1 1/2 inch)	\$137.00 Plus Sales Tax
688	Utilities	Water Meters	Flange Kit (2 Inch)	\$147.00 Plus Sales Tax
689	Utilities	Water Meters	Flange Kit (3 inch)	\$357.00 Plus Sales Tax
690	Utilities	Water Meters	Flange Kit (4 inch)	\$620.00 Plus Sales Tax
691	Utilities	Water Meters	Flange Kit (6 inch)	\$945.00 Plus Sales Tax
692	Utilities	Water Meters	Mag Meter 3-Inch	\$4,505.00 Plus Sales Tax
693	Utilities	Water Meters	Mag Meter 4-Inch	\$5,924.00 Plus Sales Tax
694	Utilities	Water Meters	Mag Meter 6-Inch	\$9,813.00 Plus Sales Tax
695	Utilities	Water Meters	Meter Nipple	\$17.00 Plus Sales Tax
696	Utilities	Water Meters	Shut-off Valve	\$116.00 Plus Sales Tax
697	Utilities	Water Meters	Ultra Sonic Meter 1½-Inch	\$1040.00 Plus Sales Tax
698	Utilities	Water Meters	Ultra Sonic Meter 1-Inch	\$445.00 Plus Sales Tax
699	Utilities	Water Meters	Ultra Sonic Meter 2-Inch	\$1,188.00 Plus Sales Tax
700	Utilities	Water Meters	Ultra Sonic 3-Inch	\$3,833.00 Plus Sales Tax
701	Utilities	Water Meters	Ultra Sonic 4-Inch	\$4,935.00 Plus Sales Tax
702	Utilities	Water Meters	Ultra Sonic 6-Inch	\$8151.00 Plus Sales Tax
703	Utilities	Water Meters	Water Meter Radio Transmitter	\$173.00 Plus Sales Tax
704	Utilities	Water Miscellaneous	Driveway Cover	\$157.00
705	Utilities	Water Usage Rates	Residential, Base Charge	\$3.38 Per Month
706	Utilities	Water Usage Rates	Residential, Base Charge	\$2.53 Per Month
707	Utilities	Water Usage Rates	Residential, Usage	\$1.17 Per 1,000 Gallons

	A	B	C	H
1	Category	Subcategory	Item	2025 Fees
708	Utilities	Water Usage Rates	Residential, Usage	\$1.77 Per 1,000 Gallons
709	Utilities	Water Usage Rates	Residential, Usage	\$2.64 Per 1,000 Gallons
710	Utilities	Water Usage Rates	Residential, Usage	\$3.97 Per 1,000 Gallons
711	Utilities	Water Usage Rates	Commercial, Base Charge	\$3.38 Per Month
712	Utilities	Water Usage Rates	Commercial, Base Charge	\$3.38 Per Month
713	Utilities	Water Usage Rates	Commercial, Base Charge	\$3.38 Per Month
714	Utilities	Water Usage Rates	Commercial, Base Charge	\$13.45 Per Month
715	Utilities	Water Usage Rates	Commercial, Base Charge	\$26.90 Per Month
716	Utilities	Water Usage Rates	Commercial, Base Charge	\$40.41 Per Month
717	Utilities	Water Usage Rates	Commercial, Base Charge	\$47.00 Per Month
718	Utilities	Water Usage Rates	Commercial, Base Charge	\$67.15 Per Month
719	Utilities	Water Usage Rates	Commercial, Base Charge	\$167.90 Per Month
720	Utilities	Water Usage Rates	Commercial, Usage (Non-Irrigation)	\$1.17 Per 1,000 Gallons
721	Utilities	Water Usage Rates	Commercial, Usage (Non-Irrigation)	\$1.77 Per 1,000 Gallons
722	Utilities	Water Usage Rates	Commercial, Usage (Non-Irrigation)	\$2.64 Per 1,000 Gallons
723	Utilities	Water Usage Rates	Commercial, Usage (Non-Irrigation)	\$3.97 Per 1,000 Gallons
724	Utilities	Water Usage Rates	Commercial, Usage (Irrigation)	\$1.77 Per 1,000 Gallons
725	Utilities	Water Usage Rates	Commercial, Usage (Irrigation)	\$2.65 Per 1,000 Gallons
726	Utilities	Water Usage Rates	Commercial, Usage (Irrigation)	\$3.99 Per 1,000 Gallons
727	Utilities	Water Usage Rates	Commercial, Usage (Irrigation)	\$5.96 Per 1,000 Gallons
728	Utilities	Water Usage Rates	Commercial, Usage (Municipal Customer)	6% Over Commercial Rate



City Council Action Request

7.N.

Meeting Date 1/22/2025

Department Public Works

Agenda Category Action Item

Title Parks Trailer Purchase

Staff Recommendation Approve the increased budget amount of the parks trailer from \$22,000 to \$23,898.88.

Budget Implication \$22,000 - included in the Parks Budget
\$1,898.88 - Equipment Replacement Budget

Attachments

1.	Parks Trailer Purchase
2.	Quote

To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Ryan Burfeind, Public Works Director/City Engineer
Adam Moshier, Fleet and Facilities Manager

Date: 1/13/2025

RE: Increase Budgeted Amount for Parks Trailer Purchase

Introduction

In the 2024 budget, there was \$22,000 to purchase a deck over trailer for the Parks Department.

During the budget process, staff takes into consideration that pricing will escalate, but in some instances, prices increase more than expected. Staff tries to be considerate of budget amounts; however, prices have increased since the budget numbers were obtained in June of 2023 for this trailer. Staff has obtained an updated quote from Lano Equipment with state contract pricing.

Background

The total purchase price as of 12/9/2024 is \$23,898.88 for a deck over trailer.

Budget Implication

The Equipment Replacement budget has funds available for the additional \$1,898.88.

Recommendation

The City Council approve the increased budgeted amount of the parks trailer from \$22,000 to \$23,898.88.



3021 W 133rd St • Shakopee, MN 55379 • 952-445-6310
6140 Hwy 10 NW • Anoka, MN 55303 • 763-323-1720
23580 Hwy 55 • Loretto, MN 55357 • 763-479-8200
www.lanoequip.com • www.lanoeq.com • www.lanogardengear.com

QUOTE - DO NOT PAY

Quote: 01-182567

Date: 12/9/2024

PO:

CustId: CITYCOTTAG

Cust Email:

Phone: (651) 398-5964

Salesperson: Randy.E

User: Randy.E

Bill To:

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

Ship To:

CITY OF COTTAGE GROVE

STATE CONTRACT NUMBER 60-221690

Item	Type	Description	Qty	Tax	Price	Discount	Net Price
239923 / NEW	UN	FELLING FT24-2LP Yr: 2024	1.0000	Y	\$21,900.00		\$21,900.00
		S/N: 5FTCF3522S1021619					
		TRA - FELLING DECKOVER,ELEC,22',DBL IN,6' RAMP STA					
LICENSE & REGISTRATION	PA	OTH - DEALERSHIP FEE	1.0000		\$75.00		\$75.00
		Bin:OFFICE					
TRANSIT USE	MC	Transit Use	1.0000		\$20.00		\$20.00
REG TAX	MC	REGISTRATION TAX (divide by months)	15.0000		\$22.50		\$337.50
PLATE	MC	PLATE FEE	1.0000		\$13.50		\$13.50
PUBLIC	MC	PUBLIC SAFETY VEHICLE FEE	1.0000		\$3.50		\$3.50
TRANSFER TAX	MC	TITLE TRANSFER TAX	1.0000		\$10.00		\$10.00
TITLE/TRANSFER	MC	TITLE/TRANSER FEE	1.0000		\$8.25		\$8.25
STATE/DEPUTY	MC	STATE/DEPUTY FILING FEE	1.0000		\$20.00		\$20.00
TITLE/TECH SUR	MC	TECH FEE	1.0000		\$4.50		\$4.50
DEPUTYSURCHARGE	MC	DEPUTY SURCHARGE	1.0000		\$1.00		\$1.00
Total:							\$22,393.25

Totals							
					Sub Total:		\$22,393.25
		6.875% TRAILER:				\$1,505.63	
					Total Tax:		\$1,505.63
					Invoice Total:		\$23,898.88

Signature: _____

Quote is Valid for 30 days, programs and discounts subject to change without notice



City Council Action Request

7.0.

Meeting Date 1/22/2025

Department Administration

Agenda Category Action Item

Title Polco National Community Survey

Staff Recommendation Approve the Polco Confluence Inc. software subscription and support agreement in the amount of \$29,300.

Budget Implication \$30,000 - Included in the 2025 budget.

Attachments

1.	Polco National Community Survey Memo 1-16-25
2.	Polco Service Agreement - Cottage Grove MN - Partially Signed



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Phil Jents, Communications Manager

Date: January 15, 2025

Subject: Polco National Community Survey

Introduction

Polco is a civic engagement platform used by local governments across the country to gather actionable feedback from residents. The Polco National Community Survey (NCS) is a trusted tool that provides municipalities with high-quality, statistically reliable data on how residents view their community, local government, and key services. By participating in this survey, the City of Cottage Grove will have an opportunity to gather insightful, evidence-based input directly from the people who matter most—the residents. This feedback will be invaluable as the city works to assess needs, prioritize services, and guide future policy decisions.

Community Survey Overview

The Polco National Community Survey is designed to measure community satisfaction, identify strengths and areas for improvement, and provide a snapshot of residents' perspectives on a wide range of issues. It includes questions on a variety of topics, including public safety, housing, transportation, amenities, and the overall quality of life in Cottage Grove. A community survey was an item identified as a priority in the City's 2024 strategic planning process.

This survey is designed to ensure that the city is effectively serving the needs of its residents and is positioned to make informed, data-driven decisions moving forward.

The Polco National Community Survey will include a range of questions designed to capture comprehensive feedback. Below is a summary of what the survey will encompass:

- Benchmark to 500+ communities
- Clear, unbiased, and accurate results
- Evaluate City services
- Enhance communication
- Measuring quality of life
- Building trust
- Planning and capital investments
- Informing budgeting

- Monitoring performance
- Half page of custom questions
- Assisting in strategic planning

The NCS covers 10 key facets of community livability:

1. Economy
2. Mobility
3. Community Design
4. Natural Environment
5. Safety
6. Utilities
7. Parks and Recreation
8. Health and Wellness
9. Education, Arts, and Culture
10. Inclusivity and Engagement

Survey Timeline

The survey will unfold over the following key stages:

- Preparing the Survey, Weeks 1-6: Review NCS with Program Manager (PM), mailing materials and survey instrument are finalized, PM generates representative sample of households in the community, and Polco prints materials, prepares mailings, and sets up online survey.
- Survey Promotion, leading up to and throughout duration of open survey: The city will promote the survey through social media, the city website, local newsletters, and other communications channels to encourage participation.
- Conducting the Survey, Weeks 7-12: Data collection opens, initial postcard sent, open participation survey begins, and data collection closes.
- Analysis and reporting, Weeks 13-17: PM conducts survey analysis and prepares report and final report provided.
- Next Steps: Following the survey's completion, the results will be used to inform city planning and decision-making. The Mayor, City Council, and City Administrator will receive a detailed report and be able to discuss the findings in further detail to help prioritize future initiatives and improve city services.

Polco Overview

In 2019, National Research Center (NRC) joined Polco to set a new standard for survey research. NRC was the leading provider of community surveys for local governments across the country for 25 years, and the merger with Polco combined NRC's extensive library of professional local government surveys, a database of local government performance, and survey research expertise with Polco's technical capabilities for enhanced communication and engagement. Polco has received the highest levels of endorsement from the International City/County Managers Association (ICMA), the National League of Cities (NLC), and the Government Financial Officers Association (GFOA). Together, these organizations

comprise thousands of city and county managers, council members, elected officials, and government finance professionals.

Budget Implications

The Polco Confluence, Inc. Subscription and Support Agreement (Total: \$29,300) will be partially invoiced upon the initial term start date (\$10,000) and the remainder (\$19,300) will be invoiced upon delivery of the results of the National Community Survey. This was an approved budget addition for 2025 from the Community and Employee Programs budget in the General Fund.

Staff Recommendation

Staff recommends the approval of the Polco Confluence, Inc. software subscription and support agreement in the amount of \$29,300.



Policy Confluence, Inc.
Subscription and Support Agreement

THIS POLCO SUBSCRIPTION AND SUPPORT AGREEMENT (the “Order Form”) is entered into and made effective as of January 2, 2025 (“Effective Date”) by and between Policy Confluence, Inc., a Delaware corporation (“Polco” or “Company”), and City of Cottage Grove, MN (“Customer” “you” or “your”). Policy Confluence, Inc. and Customer may be referred to in this Agreement individually as a “Party” or collectively as the “Parties.”

Agreement

This is a binding agreement by the Customer to purchase a Polco Subscription as set forth in the table below and further defined in this agreement. Each of the Services is governed by and incorporates the general terms and conditions set forth in this Order Form, the Enterprise Terms and Conditions (the “Enterprise Terms” found at <https://info.polco.us/enterprise-terms>) and the Website Terms of Use (the “Website Terms” found at <https://info.polco.us/eula>) (each a “Supplement,” and collectively with this Order Form, the “Agreement”).

Unless otherwise expressly defined herein, all defined terms in any Supplement, respectively, used in this Order Form have the meaning stated in the applicable Supplement. In the event of any conflict or inconsistency between the provisions of (a) this Order Form, (b) a Supplement (as applicable), and (c) any other documents or policies referenced in this Order Form or the Supplements, the governing order of precedence shall be: (i) this Order Form (ii) the Enterprise Terms; (iii) the Website Terms; and (iv) any other document incorporated herein by reference.

Customer Information	
Customer Name:	City of Cottage Grove, MN
Address:	12800 Ravine Parkway South Cottage Grove, MN 55016
Contact:	Phil Jents
Phone:	(651) 458-2890
E-mail:	pjents@cottagegrovemn.gov
Billing Information	
Billing Contact:	Phil Jents
Phone:	(651) 458-2890
E-mail:	pjents@cottagegrovemn.gov



Training and Support

Your subscription includes access to the Polco Modules and Support as described below, which includes training materials, as well as access to technical support services for your Authorized Users. You understand that technical support services are for technical product support, and such services are not to be used as a substitute for proper training and education.

Privacy Policy

You acknowledge that you have read and understand Polco’s Privacy Policy (the “Privacy Policy” found at <https://info.polco.us/privacy>).

Subscription Terms (Duration)

This Subscription shall be in effect for a term of 24 months from the Start Date and the renewal dates are outlined below. Prices are guaranteed for the length of the Agreement.

This Subscription will renew at the end of the initial Subscription Term for a duration of 24 months and shall continue to do so unless or until you provide written notice of non-renewal at least thirty (30) days prior to the expiration of the Agreement Term. You will be notified at least sixty (60) calendar days prior to the Subscription Renewal Date to provide positive consent for the renewal.

Polco reserves the right to modify and increase Fees upon providing written notice to Customer at least sixty (60) calendar days prior to the commencement of any Subscription Term, and the applicable Fees in this Order Form will be deemed amended accordingly. Any such increases shall not exceed 7% per Renewed Agreement Term. You will receive standard updates to the Services that are made generally available by Polco during the Term. However, Polco reserves the right to offer additional functionality or premium feature improvements for an additional cost.

	Start Date	End Date	Period	Renewal Date	Renewal Notification
Subscription Term	01/02/2025	01/01/2027	24 months	01/02/2027	Notification of renewal terms at least sixty (60) calendar days prior to the Subscription Renewal Date

Remainder of page intentionally left blank.



Subscription Fees

The Fees for the 24-month subscription term covered by this Agreement are outlined below.

Your Polco Plan (24-Month Term)				
	Polco Modules			
	-	Track		
	-	Overview Dashboard and All Domains		-
	-	Polly: AI Analyst for Public-Facing Organizations		-
✓	Engage			
	✓	Ask (Surveys and Polls)		Included
	✓	In-Product Weighting		Included
✓	Assess		Frequency	
	✓	National Community Survey	24 Months	\$17,000
	-	National Employee Survey	-	-
	-	National Business Survey	-	-
	-	National Law Enforcement Survey	-	-
	-	National Employee Survey - Law Enforcement	-	-
	-	Community Assessment Survey for Older Adults	-	-
	✓	Add-On: Postcard-Survey Methodology	24 Months	\$8,000
	✓	Add-On: Half Page of Custom Questions	24 Months	\$2,800
	✓	Add-On: Spanish Language Translation	24 Months	Included
	✓	Add-On: Remote Presentation of Results	24 Months	\$1,500
	Balancing Act Modules			
-	Full Suite			-
-	Simulation - Budgeting			-
-	Prioritize			-
-	Taxpayer Receipt			-
	Total Investment			\$29,300

**Billing**

You will be invoiced upon execution of this Agreement as outlined in the following table. All amounts payable to “Policy Confluence, Inc.” as specified herein are in United States Dollars (USD). If applicable, sales tax shall be assessed on your invoice to comply with the sales tax laws and regulations in your state. Your Implementation shall be suspended if Fees for your Initial Subscription Term are not received in a timely fashion, and your Account shall be suspended and inaccessible if such Fees are not received within 30 days of the invoice date.

Fees for each additional Subscription Term shall be invoiced 60 days in advance of the Start Date of the Subscription Term and shall be due by the Start Date of the Subscription Term. Your Account shall be automatically suspended and inaccessible as of the Start Date of the Subscription if Fees have not been received by such date, and your subscription shall be deemed terminated if Fees for a Subscription Term are not received within thirty (30) days following the Start Date of the Subscription Term. There shall be a \$500 (USD) reactivation fee if your account is suspended for late payment.

Term	Contract Start Date	Invoice Date	Invoice Amount	Due
First Subscription Term	01/02/2025	Invoice upon Initial Term Start Date	\$10,000	net 30
First Subscription Term	01/02/25	Upon Delivery of the Results of the National Community Survey	\$19,300	net 30

Except to the extent otherwise expressly stated in this Agreement all obligations to pay subscription Fees are non-cancelable and all payments are non-refundable. You agree that your purchases are not contingent on the delivery of any future functionality or features, or dependent on any oral or written public comments made by Polco regarding future functionality or features.

Compliance with Data Protection Laws

Each Party will comply with any applicable data protection and privacy laws applicable to such Party’s performance of its obligations under or in connection with this Agreement (“Data Protection Laws”). Where applicable Data Protection Laws, whether in effect at the start of the Term or as become applicable or effective during the Term, require the processing of Personal Data to be subject to specific terms between the Parties, the Parties shall enter into any necessary amendments to this Agreement and/or separate agreements to the extent necessary to comply with such applicable Data Protection Laws, including without limitation a Data Sharing Agreement.

Service Level Agreement

Polco’s web platform will be operational and available to the Customer at least 99.5% of the time in any calendar month (the “Polco Application SLA”).

Ownership and Use of Creative Materials



The Parties acknowledge and agree that an integral part of the services is the creation of the Polco application for Customer, which includes the development of certain information, content, text, graphics, logos, photos, videos, software, and other items, as well as their selection and arrangement ("Creative Materials"). Such Creative Materials are protected by copyrights, trademarks, patents, trade secrets, and other intellectual property and proprietary rights, and Polco shall be considered the author of such Creative Materials and retains all rights, title, and interests in and to such Creative Materials. Customer's rights to use the Creative Materials are limited to use solely in connection with this Agreement, and the rights and obligations granted hereunder. Any rights granted to Customer under this Agreement to use the Creative Materials shall cease upon the termination of this Agreement.

Data Ownership

Polco reserves the right to use data collected or generated by Polco for any purpose, including but not limited to improving the software platform, conducting research, and developing new products and services. Polco shall disclose the data to third parties in accordance with applicable laws and regulations. Upon termination of this Agreement, Polco shall disclose all data collected or generated pursuant to this Agreement to Customer and otherwise retain ownership of the data.

Miscellaneous

Notices. All notices shall be in writing and shall be deemed to have been given upon: (i) personal delivery; (ii) the second business day after mailing; or (iii) the second business day after sending by email (provided that such email has not been returned as undelivered, or that sender does not receive an automatic response or other indication that the email account is not being monitored).

<u>To</u> City of Cottage Grove, MN 12800 Ravine Parkway South Cottage Grove, MN 55016 Phil Jents pjents@cottagegrovemn.gov	<u>To</u> Policy Confluence, Inc. 1241 John Q. Hammons Dr, Suite 203 Madison, WI 53717 Sonya Wytinck sonya@polco.us
---	---

Entire Agreement. This Agreement, together with any other documents incorporated herein by reference, constitutes the sole and entire agreement of the Parties with respect to the subject matter of this Agreement and supersedes all prior and contemporaneous understandings, agreements, representations, and warranties, both written and oral, with respect to such subject matter.

Counterparts. This Agreement and any amendments thereto may be executed simultaneously in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement. The Parties may execute this Agreement and any amendment thereto in the form of an electronic record utilizing electronic signatures, as such terms are defined in the Electronic Signatures in Global and National Commerce Act (15 U.S.C. § 7001, et. seq.). Electronic signatures, or signatures transmitted electronically via PDF or similar file delivery method are legal, valid, and binding upon execution and delivery for all purposes and each shall have the same effect as an original signature.

Severability. If any provision of this Agreement is invalid, illegal, or unenforceable in any jurisdiction, such invalidity, illegality, or unenforceability will not affect any other term or



provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Upon such determination that any term or other provision is invalid, illegal, or unenforceable, the Parties shall negotiate in good faith to modify this Agreement so as to affect their original intent as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the greatest extent possible.

Full Authority. The person agreeing to the terms and conditions of this Agreement states and affirms that they have the full authority of Customer to enter into and execute this Agreement.

Legal Remedies. Nothing contained in this Agreement or any Supplement incorporated herein, shall limit the Parties from asserting any right or remedy allowed by law, equity, or by statute, as a result of any breach of this Agreement, including, but not limited to, the right of the Parties to pursue a jury trial to resolve a dispute related to this Agreement. Additionally, Customer does not acknowledge or agree that a breach or threatened breach by Customer entitles Polco to equitable relief which relieves Polco from any requirement to post a bond.

Assignment. Polco shall not assign or otherwise transfer any of its rights or obligations under this Agreement without Customer's prior written consent.

Governing Law; Venue. This Agreement shall be governed by, construed and enforced in accordance with the laws of the State of Minnesota. The Parties shall submit all of their disputes arising out of or in connection with this Agreement to the jurisdiction of the applicable state or federal court of the State of Minnesota.

Amendments. Any modification or amendment to this Agreement or any Supplement incorporated herein, shall require a written agreement signed by both parties.

Remainder of page intentionally left blank, signature page to follow.

CUSTOMER	POLICY CONFLUENCE, INC.
-----------------	--------------------------------

Tamara Anderson / City Clerk



City Council Action Request

7.P.

Meeting Date	1/22/2025		
Department	IT Department		
Agenda Category	Action Item		
Title	FlowMSP Pre-planning Software		
Staff Recommendation	Staff recommends the approval for the purchase of FlowMSP SaaS in the amount of \$2000 annually.		
Budget Implication	The FlowMSP software is an add-on non-budgeted project for Q1 2025. The annual fee of \$2000 will be paid for through savings realized in the Fire Departments Fees for Services budget.		
Attachments	<table border="1"><tr><td>1.</td><td>FlowMSP Quote</td></tr></table>	1.	FlowMSP Quote
1.	FlowMSP Quote		



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Brian Bluhm

DATE: January 22, 2025

RE: FlowMSP Pre-planning Software

Discussion

The Cottage Grove Fire Department is committed to enhancing public safety and minimizing response times to emergencies. To achieve this, we have been actively researching and implementing comprehensive preplanning solutions. Preplanning software has several purposes including:

Improve Response Times: By understanding the building's layout, hazards, and access points beforehand, firefighters can develop more effective response strategies and potentially save valuable time during an actual emergency.

Enhance Safety: Preplanning helps identify potential dangers for both firefighters and building occupants, allowing for safer and more informed decisions during an incident.

Minimize Damage: Knowing the building's construction, contents, and fire suppression systems can help firefighters contain fires more effectively and limit property damage.

Improve Training: Preplanning information can be used to develop realistic training scenarios, enhancing firefighters' skills and preparedness for specific types of emergencies.

FlowMSP Overview

FlowMSP is an industry-leading pre-incident planning software platform for the fire service. Their role is to innovate better ways for the fire service industry to collect critical building information and use it for informed incident response. By implementing FlowMSP Preplanning software the Cottage Grove Fire Department will build a proactive approach to public safety. FlowMSP software will allow Cottage Grove fire personnel to collect key information through surveys related to buildings and structures including:

- Construction materials
- Occupancy type
- Number of floors
- Fire protection systems
- Hazardous materials
- Access points (hydrants, roads, obstructions)
- Special considerations such as the presence of people with disabilities, elderly residents, etc.

Recommendation

Staff recommends the approval for the purchase of FlowMSP SaaS in the amount of \$2000 annually.

Attachments

1.	FlowMSP Quote
----	---------------



Cottage Grove Fire Department

Cottage Grove Fire Department - MN

8641 80th

Cottage Grove, MN 55016

United States

Jon Pritchard

jpritchard@cottagegrovemn.gov

Steve Zaccard

szaccard@cottagegrovemn.gov

(651) 458-2862

Reference: 20241204-141520236

Quote created: December 4, 2024

Quote expires: January 31, 2025

Quote created by: Michael Gordon

Account Manager

mgordon@flowmsp.com

636.293.0828

Additional information:

FlowMSP is dedicated to regularly enhancing our web platform and mobile app, providing these updates to your department at no extra charge during your current license period. To avoid add-on charges, support this continuous improvement, and offset rising operational costs, customers can expect modest annual price increases.

Pricing to Include the Following:

- Software as a Service – Full access to the roster provided by your department
- FlowMSP web-based platform for creating and viewing pre-plans. (Also works on Toughbooks)
- FlowMSP Mobile App for creating and viewing pre-plans and incident response (unlimited downloads/users iOS and Android Compatible)
- FlowMSP allows for unlimited access for authorized users on the pre-planning platform and mobile app.
- FlowMSP mobile app is equipped with dispatch notification, mapping, and routing to each incident location.

Full Platform Implementation:

- Hydrant File: County GIS
- Occupancy File: ImageTrend
- CAD Connection: TBD
- Department Roster
- Record data upload into FlowMSP
- Tier II information uploaded into FlowMSP
- Assistance pre-tracing commercial structures
- District boundary map

Training

- Self-paced, on-demand training via your department's online training portal
- Pre-planning strategy discussion to ensure a successful start and full adoption
- Online tutorials and instructions for video content
- On-going technical support while under subscription

[Form W9](#)

Products & Services

Item & Description	Quantity	Unit Price	Total
New Fire Customer License Fee	1	\$2,000.00 / year	\$2,000.00 / year
Annual Fire App License Fee			for 1 year

Purchase terms

Multi-year discount options available. Ask your FlowMSP account manager for details if interested.

Signature

Before you sign this quote, an email must be sent to you to verify your identity. Find your profile below to request a verification email.

Jon Pritchard
jpritchard@cottagegrovemn.gov

[sig|req|signer1]

Questions? Contact me



Michael Gordon
Account Manager
mgordon@flowmsp.com
636.293.0828

FlowMSP by ImageTrend
11 N Northwest Hwy
Suite 152
Park Ridge, IL 60068
United States



City Council Action Request

7.Q.

Meeting Date 1/22/2025

Department IT Department

Agenda Category Action Item

Title KnowBe4 Security Awareness Add-on

Staff Recommendation Staff recommends the approval of the KnowBe4 Security Awareness solution in the amount of \$11,298.

Budget Implication The KnowBe4 Security Awareness Add-on enhances current KnowBe4 services and replaces the city's current security awareness solution. The total amount is \$11,298 with no additional budget implications.

Attachments	1.	City of Cottage Grove - MN - KMSATD AIDA - 12 - 300 (2)
	2.	KnowBe4-SAT-Datasheet



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Brian Bluhm

DATE: January 22, 2025

RE: KnowBe4 Security Awareness Add-on

Discussion

City of Cottage Grove employees are required to attend Security Awareness Training periodically throughout the year provided by city IT staff and third-party vendors. As the program has grown and efficiencies identified, IT staff has identified opportunities in cost saving system and technology integrations as well such as artificial intelligence to better enhance employee training. KnowBe4 is a leading security awareness training platform already utilized by city IT staff to simulate periodic phishing tests along with remedial training.

KnowBe4 and AIDA Overview

City IT staff intends to replace the current standard training vendor SaaS and build upon Security Awareness using the KnowBe4 training module as well as KnowBe4 Artificial Intelligence Defense Agents (AIDA) to build upon staff training. Doing so will help ensure employees are trained in the risks and threats city networks, personnel, and data are presented with.

KnowBe4 Diamond Plan

The KnowBe4 Security Awareness Plan builds on the city's ability to assess and test user knowledge and build upon the city's security program through custom content, recommendations and tracking. With the addition of the AIDA program, user input is analyzed to better understand and customize training to the individual user.

AIDA

AIDA (Artificial Intelligence Defense Agents) is an AI-native suite of agents that supercharges our approach to human risk management. It leverages multiple AI technologies to create personalized, adaptive, and highly effective training for all users that changes behavior. By automating template generation, training, and reporting, AIDA reduces the administrative burden on IT staff so they can focus on protecting the network. AIDA aligns with the NIST Phish Scale Framework to ensure consistent security awareness training based on the city's security and regulatory objectives.

Recommendation

Staff recommends the approval of the KnowBe4 Security Awareness solution in the amount of \$11,298.

Attachments

1.	City of Cottage Grove - MN - KMSATD AIDA - 12 - 300 (2)
2.	KnowBe4-SAT-Datasheet

**KnowBe4**

33 N Garden Avenue, Suite 1200
Clearwater, FL
33755 US

Created Date 1/6/2025 3:19 PM
Expiration Date 1/24/2025
Quote Number Q-1268946
Payment Terms Net 30

Prepared By Ryan Huling
Email rhuling@knowbe4.com

Contact Name Brian Bluhm
Contact Phone 6514582880
Contact Email bbluhm@cottagegrovemn.gov

Bill to Name City of Cottage Grove - MN
12800 Ravine Pkwy
Cottage Grove, MN 55016-6103
United States

Ship to Name City of Cottage Grove - MN
12800 Ravine Pkwy
Cottage Grove, MN 55016

Description**Notes**

Total Term(Months) 12

Non Profit Discounting has been applied to this quote.

PRODUCT	DESCRIPTION	QTY	LIST PRICE	DISC. (%)	SALES PRICE	MONTHLY NET PRICE	TOTAL PRICE
KSATD	KnowBe4 Security Awareness Training Subscription Diamond	300	USD 28.62	0	USD 28.62	USD 2.39	USD 8,586.00
AIDA	Artificial Intelligence Defense Agents. AI-native featureset to facilitate automated and personalized SAT, includes AI powered features. (Must have current KMSATD Subscription to use product)	300	USD 10.04	10	USD 9.04	USD 0.75	USD 2,712.00

Grand Total USD 11,298.00

Signature
Name
Title
Date

Terms & Conditions

Your signature on this quote tells us that you have the authority to make this purchase on behalf of your company and that you agree to pay within the stated terms. For first year subscriptions, mid-subscription add-ons, and/or upgrades, the subscription period will begin when we process your order, which is when we receive your signed quote. For renewal subscriptions, the subscription period will begin on the day after your current subscription expires. Unless included on the invoice, customer is responsible for any applicable sales and use tax.

KnowBe4's standard Terms of Service (www.KnowBe4.com/Legal) and Product Privacy Policy (www.KnowBe4.com/Product-Privacy-Notice) apply, unless mutually agreed otherwise in writing.

Security Awareness Training and Simulated Phishing Platform

Helps you manage the ongoing problem of **social engineering**

KnowBe4 Security Awareness Training

Old-school security awareness training doesn't hack it anymore. Today, your employees are frequently exposed to sophisticated phishing and ransomware attacks.



Baseline Testing

We provide baseline testing to assess the Phish-prone™ percentage of your users through a free simulated phishing attack.



Train Your Users

The world's largest library of security awareness training content; including interactive modules, videos, games, posters and newsletters. Automated training campaigns with scheduled reminder emails.



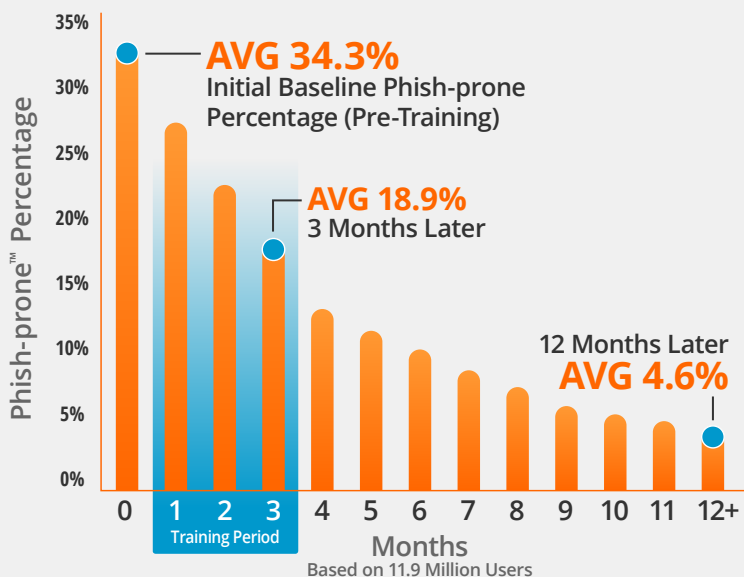
Phish Your Users

Best-in-class, fully automated simulated phishing attacks, thousands of templates with unlimited usage, and community phishing templates.



See the Results

Enterprise-strength reporting, showing stats and graphs for both training and phishing, ready for management. Show the great ROI!



The System Really Works

With KnowBe4's massive database, we analyzed over 11.9 million users over the course of at least 12 months, and our 2024 research continues to uncover alarming results. The overall industry initial Phish-prone Percentage benchmark increased to 34.3%, up one full point from 2023.

Fortunately, the data showed that this 34.3% can be brought down to 18.9% within 90 days after deploying new-school security awareness training. The one-year results show that by following these best practices, the final Phish-prone Percentage can be minimized to 4.6% on average.

See how your company's Phish-prone Percentage compares to your peers! The Industry Benchmarking feature is included with your subscription.

Source: 2024 KnowBe4 Phishing by Industry Benchmarking Report

Note: The initial Phish-prone Percentage is calculated on the basis of all users evaluated. These users had not received any training with the KnowBe4 console prior to the evaluation. Subsequent time periods reflect Phish-prone Percentages for the subset of users who received training with the KnowBe4 console.

KnowBe4 Security Awareness Training Features

Unlimited Use

We offer three Training Access Levels via the KnowBe4 ModStore, giving you access to our content library of 1,300+ items based on your subscription level. Unlimited access to all phishing features with flexible licensing. Powerful new features added regularly.

Localized Admin Console and Learner Experience

You can set your default language for three localization settings: Phishing, Training, and Admin Console Language. With these localization options, you can enable your Admins to manage the KnowBe4 console in one of ten languages, while delivering a more immersive training experience for your learners in over 35 languages.

Content Manager

With Content Manager you can customize your training content preferences effortlessly. Adjust passing scores, infuse branded themes, allow test-outs and say goodbye to content skipping. Available across all subscription levels.

Brandable Content

This self-service feature gives you the option to add branded custom content to the beginning and end of select KnowBe4 training modules. You can add your organization's branding elements including your logo, custom graphics, and corporate colors to tailor any messaging you want to deliver to your users.

Upload Your Own Content

Want to supplement your KnowBe4 security awareness training content with your organization's custom training or other corporate training content? With KnowBe4's robust learning management system (LMS), you can upload your own SCORM-compliant training and video content and manage it alongside your KnowBe4 ModStore Training content all in one place—at no extra cost!

Assessments

Find out where your users are in both security knowledge and security culture to help establish baseline security metrics. Use the skills-based assessment and the security culture survey to measure and monitor your users' security knowledge and sentiment to a security-aware culture over time.

Custom Phishing Templates and Landing Pages

Apart from the tens of thousands of easy-to-use system templates, you can customize scenarios based on personal information and include simulated attachments to create your own targeted spear phishing campaigns. Each Phishing Email Template can have its own Custom Landing Page, which allows for point-of-failure education.

Phish Alert Button

KnowBe4's Phish Alert add-in button gives your users a safe way to forward email threats to the security team for analysis, and deletes the email from the user's inbox to prevent future exposure. All with just one click!

Social Engineering Indicators

Patented technology turns every simulated phishing email into a tool IT can use to dynamically train employees by instantly showing them the hidden red flags they missed within that email.

AI-Driven Phishing and Training Recommendations

Leverage the power of AI to give your users a more personalized experience that adapts to their current level of knowledge. Use AI-driven phishing to automatically choose the best phishing template for each of your users based on their individual training and phishing history. With AI-driven training recommendations, the KnowBe4 ModStore serves up training content customized to your overall organization's Phish-prone percentage.



User Management

KnowBe4's Active Directory or SCIM integration allows you to easily upload user data and saves you time by eliminating the need to manually manage user changes. You can also leverage the Smart Groups feature to tailor and automate your phishing campaigns, training assignments and remedial learning based on your employees' behavior and user attributes.



Advanced Reporting Feature

60+ built-in reports provide holistic views and detailed reporting on your key awareness training indicators over time. Leverage Reporting APIs to pull data from your KnowBe4 console. Additionally, with Executive Reports, you can create and deliver tailored executive-level reports that provide insights to help make data-driven decisions about your program.



Virtual Risk Officer™

The innovative Virtual Risk Officer (VRO) functionality uses machine learning to help you predict and identify risk at the user, group and organizational level. This continual learning model enables you to make data-driven decisions when it comes to your security awareness program.



Callback Phishing

As an admin, you can use the new Callback Phishing feature in your KnowBe4 console and run a simulated callback phishing campaign to see if your employees would fall for this trick. An email lands in their inbox, with a phone number and a code. If they dial that number, they'll be asked for the code. But here's the catch—enter the code, that's the first failure point, give up personal or sensitive info, that's a double whammy.



PhishER Plus™

PhishER Plus is a light-weight SOAR platform that automatically analyzes and prioritizes reported email messages to identify and quarantine malicious email across your organization. Additionally, PhishFlip transforms in-the-wild phishing emails into training opportunities by flipping them into simulated phishing campaigns.

PhishER Plus adds an AI-validated, crowdsourced blocklist and PhishRIP capabilities to proactively block and remove active phishing attacks that have bypassed email filters BEFORE your user gets exposed to them. It saves significant budget and InfoSec time by reducing the volume of remediation efforts handled by your SOC team.

Did you know that 88% of data breaches are caused by human error?

Get your free phishing security test and find out what percentage of your employees are Phish-prone

www.KnowBe4.com/PST



City Council Action Request

7.R.

Meeting Date 1/22/2025

Department Public Works

Agenda Category Action Item

Title 2nd Draft 3M NPDES Permit – Public Comments

Staff Recommendation Approve the 3M Draft NPDES Permit Comments.

Budget Implication N/A

Attachments

1.	2nd Draft 3M NPDES Permit Comments CC Memo
2.	2nd Draft 3M NPDES Permit Comments Cover Letter
3.	2nd Draft 3M NPDES Permit Attachment #1
4.	2nd Draft 3M NPDES Draft Permit



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Crystal Raleigh, PE, Assistant City Engineer

Date: January 15, 2025

Re: 2nd Draft 3M NPDES Permit – Public Comments

Background/Discussion

The MPCA is working on the re-issuance of the National Pollutant Discharge Elimination System (NPDES) permit for the 3M facility in Cottage Grove. A draft permit was issued for public comment on July 1, 2024. The draft permit was reviewed by City staff and consultants, and a memo summarizing the draft permit and suggested public comments was reviewed by the City Council on August 7, 2024. Public comments were then submitted by the City on August 8, 2024.

The MPCA has reviewed and responded to comments that were submitted and is now requesting public feedback on a second draft of the permit. The second draft was issued for public comment on December 18, 2024. The deadline for public comment on the second draft is February 3, 2025. The second draft of the permit has been reviewed by City and consulting staff, and an attachment to this memo provides a list of proposed public comments that are recommended to be submitted directly to the MPCA. Most of the City comments provided on the first draft have been addressed. Those that weren't addressed are proposed to be resubmitted along with a few additional comments.

Recommendation

It is recommended the City Council approve the 3M Draft NPDES Permit Comments.

Attachments:

- Cover Letter to MPCA with 2nd Draft NPDES Permit Comments
- 3M Cottage Grove 2nd Draft NPDES Permit Review Comments
- 2nd Draft 3M NPDES Permit

January 22, 2025

Emily Schnick
Environmental Consultant
Minnesota Pollution Control Agency
520 Lafayette Rd N
Saint Paul, MN 55155

Dear Ms. Schnick,

I am writing to provide a response on behalf of the City of Cottage Grove to the request for public comment on the draft wastewater permit for the 3M Chemical Operations Facility in Cottage Grove.

First, it is important to note that several of the comments previously noted by the City of Cottage Grove have been directly addressed in the updated permit. The City would like to extend our gratitude to the MPCA for the numerous positive changes made in addressing these comments.

With this being said, the City also recognizes the need for additional modifications prior to final permit issuance. Specifically, the City of Cottage Grove requests additional transparency surrounding the decision-making process utilized while making changes to the limits and monitoring requirements of numerous PFAS compounds.

To echo the comment previously provided, the City of Cottage Grove is concerned about the decision to not provide effluent limits on PFNA despite its listing in drinking water regulations. The test for PFNA is currently the same as performed to determine the other limited PFAS compounds, and as such, listing this contaminant would not provide additional operational or financial burden to the permittee. Any potential addition of PFNA to the waters of the state poses a danger to drinking water sources and public health.

In addition to the items mentioned above, Cottage Grove city staff have assembled a list of comments included below in Attachment 1.

If you have any questions or comments, please contact me in regard to this issue.

Sincerely,

City of Cottage Grove
Myron Bailey - Mayor

Attachment #1

Relevant Permit Section	Item/Question to be Addressed
General	How can city staff and residents be assured that the draft NPDES permit will be reviewed in a timely manner upon expiration? The current gap in permitting review makes the City of Cottage Grove weary of language regarding current technological limitations included in the draft permit. Any response to this item involving the addressment of improved testing technology as part of a future permit is unacceptable to the City of Cottage Grove.
General	The City of Cottage Grove requests additional transparency of effluent limitations, reporting requirements, and enforcement actions required by, and taken against, the permittee.
General	All reporting requirements and testing results included in, and required by, the final permit need to be publicly available for the duration of the permit's governance.
Permitted Facility Description	Has any historical PFAS testing been performed on sludge produced by the Phase 1 and 2 treatment trains prior to disposal in the non-hazardous waste landfill?
5.69.54	What is the reasoning behind extending the deadline for optimization of the new treatment processes by 15 months?
5.70.78	Regarding the statement "Note - Non-targeted PFAS analysis shall be conducted at a minimum frequency of once every five years of the water required to be monitored at all locations in this permit...". It is requested that a Non-targeted PFAS analysis be required within one year of permit issuance.
6.63.22	It is requested that the language regarding the continuation of the non targeted PFAS analysis requirements beyond permit expiration be re-added prior to final permit issuance.
SD 001 & SD 002 Discharge Monitoring	Why is PFNA not regulated in the same way as other PFAS chemicals noted in the permit? PFNA is also included in drinking water limits.
SD 001 & SD 002 Discharge Monitoring	If limits are not provided for PFNA in the issued permit, it is requested the monitoring frequency be raised from 1x/month to 1x/week.
SD 001 & SD 002 Discharge Monitoring	What was the reasoning for lowering the (monitor) testing frequency of a significant number of PFAS compounds?
SD 001 & SD 002 Discharge Monitoring	What was the reasoning behind removing effluent limits for PFHxA? It is requested that these limits be re-instated prior to final permit issuance.

National Pollutant Discharge Elimination System/State Disposal System**MN0001449**

Permittee: 3M Chemical Operations LLC
Facility name: 3M Cottage Grove Center
Receiving water: Unnamed creek - Class 2Bg, 3, 4A, 4B, 5, 6 water
City or Township: Cottage Grove **County:** Washington
Issuance date: TBD
Expiration date: TBD

The State of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a disposal system at the facility named above and to discharge from this facility to the receiving water named above, in accordance with the requirements of this permit. This permit only authorizes discharges from the discharge locations identified in this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

This permit is effective on the issuance date identified above. This permit expires at midnight on the expiration date identified above.

Signature:

This document has been electronically signed.

for the Minnesota Pollution Control Agency

Theresa Haugen
Manager
Water and Mining Section
Industrial Division

Submit eDMRs

Submit via the MPCA e-Services at
https://rsp.pca.state.mn.us/TEMPO_RSP/Orchestrate.do?initiate=true

Submit WQ reports electronically to:

wq.submittals.mPCA@state.mn.us
Include *Water quality submittals form*:
<https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx>

Questions on this permit?

For eDMR and other permit reporting issues, use the directory listed at the bottom of the [Discharge Monitoring Report \(DMR\)](#) page: <https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports>

For specific permit requirements, contact your compliance staff:
<https://www.pca.state.mn.us/business-with-us/wastewater-compliance-and-enforcement-staff>

Wastewater Permit Program general questions, contact:
MPCA, 651-282-6143 or 800-657-3938.

Table of Contents

	Page
1. Permitted facility description.....	3
2. Maps and figures of permitted facility.....	10
3. Summary of stations and station locations.....	22
4. Permit requirements.....	26
5. Submittal action summary.....	90
6. Limits and monitoring.....	107
7. Appendix A.....	433
8. Appendix B – Chemical Additives.....	440

1. Permitted facility description

The 3M Cottage Grove Center facility (facility) is located at 10746 Innovation Rd, Cottage Grove, Minnesota 55016-4600, Washington County.

The facility manufactures a number of diverse products including, but not limited to, organic chemicals and polymers, adhesives, thermoplastic resins, thermosetting resins, phenolic resins, fine chemicals, polyester resins, epoxy resins, urethanes, curative organic compounds, ceramic solutions, fluorochemicals, abrasives, glass beads, pressure sensitive tapes, polymeric films and extrusions, paper coating, traffic control materials, and automotive products. The facility also conducts "pilot" or research operations for development of new products. In 2022, the facility announced it would cease the manufacturing and processing of fluorochemicals by the end of 2025. After 2025, the facility will continue to treat its per- and polyfluoroalkyl substances (PFAS)-contaminated source/groundwater, stormwater, and wastewater for PFAS contaminants.

The 3M corporate hazardous waste incinerator is located at the facility and previously received and incinerated hazardous wastes from other 3M plants across North America. The incinerator was shut down on December 31, 2021, and is currently undergoing closure activities under the oversight of MPCA's Land Permits and Remediation programs.

Process wastewater generated from production facilities, pilot production wastewaters, and sanitary wastewater are all treated at the facility wastewater treatment plant (WWTP). The WWTP consists of three separate treatment trains designated as Phase 1, Phase 2, and Phase 3. Phase 3 was primarily used to treat wastewater from the now closed incinerator. A separate treatment system is used for non-contact cooling waters (NCCW). The Phase 1 treatment train treats primarily inorganic process wastewaters and consists of a bar screen, two screw pumps, grit chamber, pH adjustment/neutralization, flash mixing tanks, and four parallel flocculating solids contact clarifiers. Phase 1 effluent is discharged to Pond C for flow equalization prior to its conveyance to Building 185 GAC treatment and then to the Phase 1 and 2 wastewater PFAS treatment system (System B) upon completion of commissioning. Note - Phase 1 effluent flow is equalized within Pond C and then sent to Building 185 GAC treatment to achieve compliance with Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF), Alkyl Phenol Ethoxylates (APEs) and Toxic Unit acute (TUa).

The Phase 2 treatment train system treats primarily organic process wastewaters and sanitary wastewater from the facility and LSP Cottage Grove LP (a non-3M electrical generation station formerly known as Cogentrix). The Phase 2 treatment train system consists of a bar screen and screw pumps for solids removal, a two-cell flow equalization tank with pH adjustment, an activated sludge system (with an anoxic basin preceding an aeration basin), and final clarification for biological solids removal. Effluent from Phase 2 is discharged to the four parallel flocculating solids contact clarifiers in the Phase 1 treatment train.

The Phase 3 treatment train previously treated scrubber wastewater (inorganic soot, ash and acids scrubbed from the combustion process) from the 3M hazardous waste incinerator and currently treats drainage from drying beds, incinerator decommissioning waters, and select stormwater collected at the facility. The Phase 3 treatment train consists of pH adjustment/neutralization tanks/system, bar screen and lift pumps, polymer addition/mixing, and particulate precipitation/clarification. A limited amount of wastewater from other facilities may also be treated at the WWTP.

Pretreated landfill leachate from the 3M designated cell at the SKB Industrial Waste Facility (SKB) in Rosemount is also discharged to the headworks of the Phase 1 treatment train after pretreatment via granular activated carbon (GAC) at a rate not to exceed 55,000 gallons per day (gpd). The leachate originates from a containment cell specifically built to receive waste soils from 3M sites in Washington County, which require disposal under various remediation activities. The pretreatment system, prior to leachate discharge to the facility Phase 1 WWTP, consists of two 10-foot diameter by 14-foot side wall carbon vessels. Each vessel has approximately 20,000 pounds of regenerated GAC. Overall height,

including associated piping is approximately 22 feet. Carbon adsorber depth is eight feet (each) and filter surface area is approximately 78 sq. ft. (each). The pretreatment system also includes two 300 gallon per minute (gpm), 25.7 total dynamic head (TDH) feed pumps, associated piping & valves, electrical, mechanical and appurtenances. Discharges of liquids associated with remediation construction activities and other PFAS containing discharges may also be discharged to the SKB pretreatment system (prior to discharge to the Phase 1 system headworks) at a total combined rate of 55,000 gpd, or less.

For the SKB influents, flow rates shall not exceed an average flow of 10,000 gpd, a maximum flow of 55,000 gpd and a peak instantaneous flow of 3.0 gallons per minute (gpm)/ft². Flow rates to the SKB leachate vessels shall be as low as possible to increase the empty bed contact time (EBCT) for optimal performance. Maximum target mass concentrations are monitored and consistent with the monitoring plan contained with the February 5, 2010, version of the 3M Cottage Grove Wastewater Treatment Operations Management Procedure for SKB Leachate. Carbon exhaustion is monitored to determine when it's necessary to replace the carbon. Carbon media is tested for performance at a frequency no less than 1x/250,000 gallons of treated liquid and that carbon changeout occurs no less frequently than 1x/1 million gallons of treated liquid.

Sludges produced from the WWTP are discharged to two gravity sludge thickening tanks followed by belt filter presses. Sludges generated from the Phase 3 treatment train are disposed of at a hazardous waste landfill. Phase 1 and 2 sludges are disposed of at a non-hazardous waste landfill.

NCCW used within the facility were previously discharged to an unlined NCCW retention pond prior to discharge. That pond also received industrial stormwater (ISW) runoff from certain plant areas on site. This NCCW/ISW basin also received NCCW from the LSP Cottage Grove LP co-generation facility located adjacent to the 3M facility. A portion of the NCCW (prior to the NCCW/ISW basin) is pumped back to LSP Cottage Grove LP for NCCW makeup (e.g. evaporative losses). The aforementioned unlined pond is undergoing an expansion and lining improvement effort during 2024-2025 and will be referred to as Pond 2 which will discharge to the ISW/groundwater/NCCW PFAS treatment system (System A) upon completion of commissioning.

Phase 1 (which includes Phase 2 effluent), and Phase 3 treatment train effluents discharge to a tertiary GAC treatment system in Building 185, which initiated operation in 2004. The Phase 1 and 2 GAC system was designed to remove acute toxicity and alkyl phenol ethoxylates, which may have contributed to acute toxicity in process wastewater effluent prior to 2004. In addition, this system was designed to remove specific organic compounds to meet the OCPSF discharge limitations listed in U.S. Environmental Protection Agency (USEPA) industrial regulations 40 CFR pt. 414. The Phase 3 GAC system in Building 185 was designed for removal of mercury from incinerator scrubber wastewater. Although the GAC systems in Building 185 were installed to treat pollutants other than PFAS, it was acknowledged around the time of the 2003 permit issuance that PFAS would be treated/removed in addition to toxicity and/or alkyl phenol ethoxylates by the Building 185 GAC systems.

As noted above, Phase 1 and 2 effluent undergo flow equalization in Pond C prior to GAC filtration in Building 185. Pond C is 13 feet deep with 3:1 side slopes and a 10-foot maximum and 8.3-foot mean working depth with a 100-millimeter-thick HDPE liner. Pond C is 1.5 acres at the 8.3 foot mean working depth and provides 14-20 hours of detention time at the facility design flow. Pond C is a lined pond divided into north and south sections by an earthen dike. Pond elevation is controlled by a culvert.

Effluent from the Phase 1 clarifiers (five rectangular clarifiers were replaced with conventional round clarifiers) is discharged to the north section of Pond C. Overflow from the north section to the south section is discharged through the culvert, with the inlet elevation of the culvert set to maintain 10 feet of water in the north section. A concrete sump receives effluent from the south section and Pond C effluent is discharged to the Phase 1 and 2 Building 185 GAC system for tertiary treatment.

Phase 3 effluent is discharged directly to tertiary GAC treatment within Building 185 without flow equalization. Phase 1 and 2 Building 185 effluent supplies the backwash water and water required during carbon replacement for both tertiary GAC treatment systems (Phase 1, 2, and 3). Phase 1 and 2 Building 185 effluents are pH adjusted, as needed, receive ultraviolet (UV) disinfection; and combine with pH adjusted Phase 3 GAC effluents prior to discharge from outfall SD 001. NCCW and ISW (outfall SD 002) do not currently see tertiary treatment prior to combining with SD 001 for ultimate discharge from SD 003. The total maximum design flow for all treated water at the facility is 15.2 million gallons per day (mgd).

Prior to July 1, 2025, Phase 3 tertiary GAC effluent combines with Phase 1 and 2 tertiary GAC effluents downstream of UV disinfection, upstream of SD 001. Upon completion of the Advanced Wastewater Treatment System, Phase 1 and 2 tertiary GAC effluent will be discharged to the Phase 1 and 2 wastewater PFAS treatment system (System B), followed by disinfection. By July 1, 2025, Phase 3 GAC effluent will receive comparable PFAS treatment to the Phase 1 and 2 wastewater or the authorization to discharge Phase 3 GAC effluent will be revoked.

The Phase 1 and 2 GAC tertiary treatment system consists of nine dual columns (18 individual vessels). The Phase 3 GAC tertiary treatment system, in Building 185, consists of four dual columns (eight individual vessels). The GAC tertiary treatment system design criteria is as follows:

	Phase 1 & 2	Phase 3
Peak design flow (mgd)	2.6	1.0
COD (mg/L)	160	
TSS (mg/L)	16	7.5
BOD (mg/L)	24	<6
TOC (mg/L)	50	<50
Vessel diameter (ft)	10	10
Vessel side wall height (ft)	12	12
Mass of carbon (#)*	20,000	20,000
Overall system height (ft)**	22	22
Configuration***	"lead/lag"	"lead/lag"
Max. column loading rate (gpm/s.f.)****	3	3
Empty Bed Contact Time (min)****	44.3	43.2

* each vessel

** to top of associated piping - including backwash system

*** for each dual column system

**** with one vessel in backwash mode

Existing Groundwater Treatment System (Building 92)

Building 92 consists of GAC filtration vessels and a water distribution system for the 3M site. The facility is designed, constructed, and operated to treat PFAS contaminated groundwater (GW) from below the 3M Cottage Grove facility, as well as PFAS contaminated GW from the Woodbury disposal site wells. Treated GW is used throughout the facility for cooling water, process water, and other building/site water requirements.

The GW system in Building 92 includes non-potable and potable GAC tertiary filtration treatment systems. The non-potable GAC tertiary filtration treatment system consists of six dual columns (12 individual vessels). The potable GAC tertiary filtration treatment system consists of three dual columns (six individual vessels). The GAC tertiary filtration treatment systems' design criteria is as follows:

	Non-potable	Potable
Carbon type	DSR-C	F-600
Adsorber flow rate (gpm)	627	604
Carbon A.D. (g/cc)	0.60	0.63
Carbon A.D. (g/cc) (backwashed)	0.51	0.53
Vessel diameter (ft)	10	10
Mass of carbon (pounds)*	20,000	20,000
Vessel x-sectional area (ft^2)	78.5	78.5
Vessel side wall height (ft)	12	12
Overall system height (ft)**	~22	~22
Configuration***	"lead/lag"	"lead/lag"
Max. column loading rate (gpm/s.f.)	8.0	7.7
Empty Bed Contact Time (min)	~15	~15
Peak design flow (mgd)****	4.5	1.7

* each vessel

** to top of associated piping - including backwash system

*** for each dual column system

**** with one vessel in backwash mode

In addition to Buildings 185 and 92, GAC treatment is/will also be included in:

- Building 149 (Operational on August 2, 2021)
- Building 150 (Operational in 2024)

Advanced PFAS Wastewater Treatment System

Effluent from the existing treatment systems described above (Phase 1 and 2 wastewaters {WW}) will be discharged to a new tertiary treatment system (System B) for removal of PFAS. An additional PFAS treatment system (System A) is also under construction and will treat stormwater/groundwater/noncontact cooling water (ISW/GW/NCCW) through a parallel treatment train. Both new systems will include membrane and media filtration equipment, buildings, tanks, storage ponds, collection infrastructure, and solids handling. Both treatment trains are currently under construction in two new buildings called Building 150 and Building 151. System C is a solids concentrating treatment system for System A solids management. Collectively, these three separate systems are referred to as the "advanced wastewater treatment system."

In order to capture and store ISW, for subsequent treatment in the new ISW/GW/NCCW PFAS tertiary treatment system (System A), three existing ISW ponds are being upgraded with new pond liners, pumping stations, and force mains. Pond 1 has an estimated storage volume of approximately 28.9 ac-ft and its lift station is designed to pump 1,000 gpm. Pond 2 has an estimated storage volume of approximately 10.67 ac-ft and its lift station is designed to pump 1,500 gpm (with 1 pump). Pond 3 has an estimated storage volume of approximately 8.37 ac-ft and its lift station is designed to pump 1,000 gpm. All three ponds will pump ISW/GW/NCCW to the new treatment system (System A).

Filtration/treatment processes in Building 150 (for both WW and ISW/GW/NCCW PFAS removal) includes ultrafiltration (UF), reverse osmosis (RO), and GAC (Liquid Phase GAC, or LGAC) filtration. Chemical storage, pumping, piping, control systems, and associated appurtenances are also included. System C consists of UF to further concentrate solid streams from System A.

Treatment processes in Building 151 includes anion exchange (AIX) filtration and an AIX regeneration process.

Design criteria from the PFAS Treatability Study, 3M Cottage Grove Minnesota Facility dated December 22, 2021, includes, but are not limited to, the following:

	ISW/GW/NCCW	WW
Reverse Osmosis System		
Feed temp	ambient	ambient
Recovery (% to permeate)	85% (target)	85% (target)
Active area	400 s.f.	400 s.f.
Stages/Banking Arrangement	3 stages, 24/12/6	3 stages, 9/6/3
Elements per housing	6	6
Total elements per skid	252	108
Total active area per skid	100,800 s.f.	43,200 s.f.
Design Flux	14 GFD (Treatability Study)	11.6 GFD (specified)
Design flow/skid	1150 gpm (1.65 mgd)	410 gpm (0.59 mgd)
Design flow w/5 skids	5750 gpm (8.28 mgd)	2050 gpm (2.95 mgd)
Granular Activated Carbon System		
Treatment trains	4	2
Vessels per train	2	2
Vessel diameter	10 ft.	10 ft.
Mass of Carbon/vessel	20,000#	20,000#
Density (backwashed/drained)	~26 #/c.f.	~26 #/c.f.
EBCT across 2 vessels	60 min. (Treatability Study)	60 min. (Treatability Study)
Design flow/train	192 gpm (0.27 mgd)	192 gpm (0.27 mgd)
Design flow w/3 trains	576 gpm (0.83mgd)	-
Surface loading rate	2.4 gpm/s.f.	2.4 gpm/s.f.
Anion Exchange System		
Treatment trains	7	3
Vessels per train	3	3
Vessel diameter	6 ft.	6 ft.
Volume of AIX/vessel	360 c.f.	360 c.f.
EBCT across 3 vessels	60 min. (Treatability Study)	60 min. (Treatability Study)
Design flow/train	135 gpm (0.19 mgd)	135 gpm (0.19 mgd)
Design flow w/2 trains	-	270 gpm (0.39 mgd)
Design flow w/5 trains	675 gpm (0.97 mgd)	-
Surface loading rate	4.8 gpm/s.f.	4.8 gpm/s.f.

Industrial Stormwater (ISW)

This permit covers the following three types of ISW stations at the facility:

1. Direct stormwater runoff from individual ISW locations;
2. Stormwater runoff from combined ISW runoff locations that collects and infiltrates into the ground; and
3. Stormwater runoff from combined ISW runoff locations that is collected and transferred to the WWTP.

The facility manages captured ISW with unlined and lined basins, concrete sumps/basins, and three ponds (Ponds 1-3). Both vacuum trucks and pump stations move collected ISW from onsite sumps and containment basins to Ponds 1-3 at the headworks of the WWTP. Each truck has a maximum capacity of 5,000 gallons.

Under General Industrial Stormwater Permit coverage in effect from 2020-2025 (nullified upon this permit reissuance) uniquely identified as MNR0539X3, the facility discharges ISW through approximately 3129 outfalls represented by monitoring five locations (BML 01-05).

Individual Subsurface Treatment Systems (ISTS)

There are six ISTS systems located at the facility. The Permittee estimates that the combined flow to all ISTS systems is less than 600 gpd. The facility has used these systems for decades with no known issues related to hydraulic acceptance rates, groundwater mounding above a subsurface restrictive soil layer, or daylighting of sewage; however, compliance inspections in 2023 raised concerns at some of the systems. The facility is in the process of evaluating connection to the existing Phase 1 and 2 treatment systems or alternate options for these systems.

Compliance Schedule Phases

There are four different phases associated with this permit's compliance schedules. Different effluent limitations and other requirements are applicable as the phases are complete. The phases are summarized below.

Phase 1

- Interim effluent limits for PFBS, PFBA, PFOS, PFOA, and PFHxS
- Interim effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate

Phase 2

- Interim effluent limits for PFBS, PFBA, PFOS, PFOA, and PFHxS
- Interim effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate
- Flow monitoring required at SW 001

Phase 3

- Final effluent limits for PFBS, PFBA, PFOS, PFOA, and PFHxS
- Interim effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate
- Flow monitoring required at SW 001

Phase 4

- Final effluent limits for PFBS, PFBA, PFOS, PFOA, and PFHxS
- Final effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate
- Flow monitoring required at SW 001

Changes to the facility may result in an increase in pollutant loading to surface waters or other causes of degradation to surface waters. If a change to the facility will result in a net increase in pollutant loading or other causes of degradation that exceed the maximum loading authorized through conditions specified in the existing permit, the changes to the facility are subject to antidegradation requirements found in Minn. R. 7050.0250 to 7050.0335.

This Permit also complies with Minn. R. 7053.0275 regarding anti-backsliding.

Any point source discharger of sewage, industrial, or other wastes for which a National Pollutant Discharge Elimination System (NPDES) permit has been issued by the MPCA that contains effluent limits more stringent than those that would be established by Minn. R. 7053.0215 to 7053.0265 shall continue to meet the effluent limits established by the permit, unless the Permittee establishes that less stringent effluent limits are allowable pursuant to federal law, under section 402(o) of the Clean Water Act, United States Code, title 33, section 1342.

DRAFT

Figure 1. Map of permitted facility

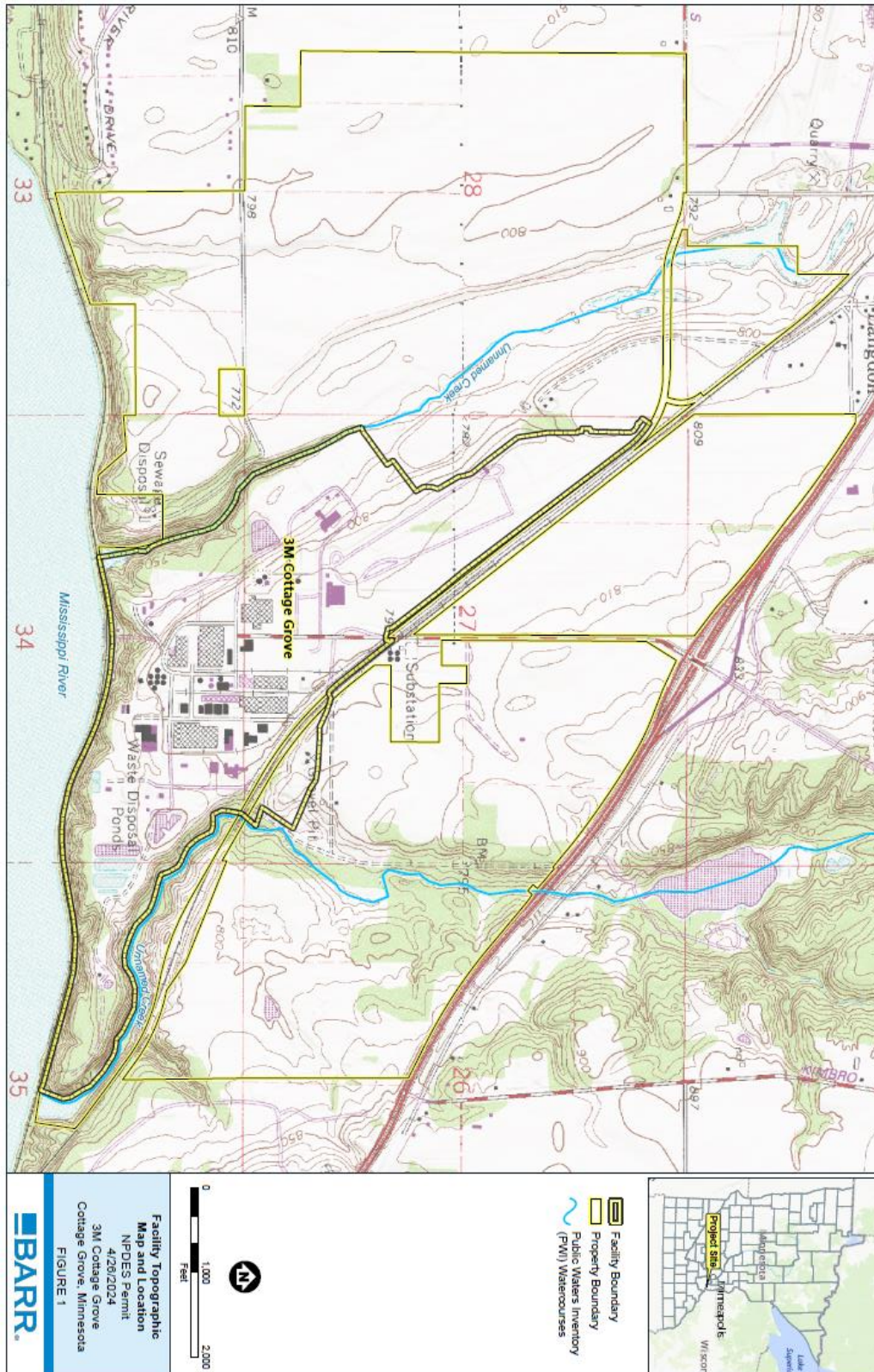
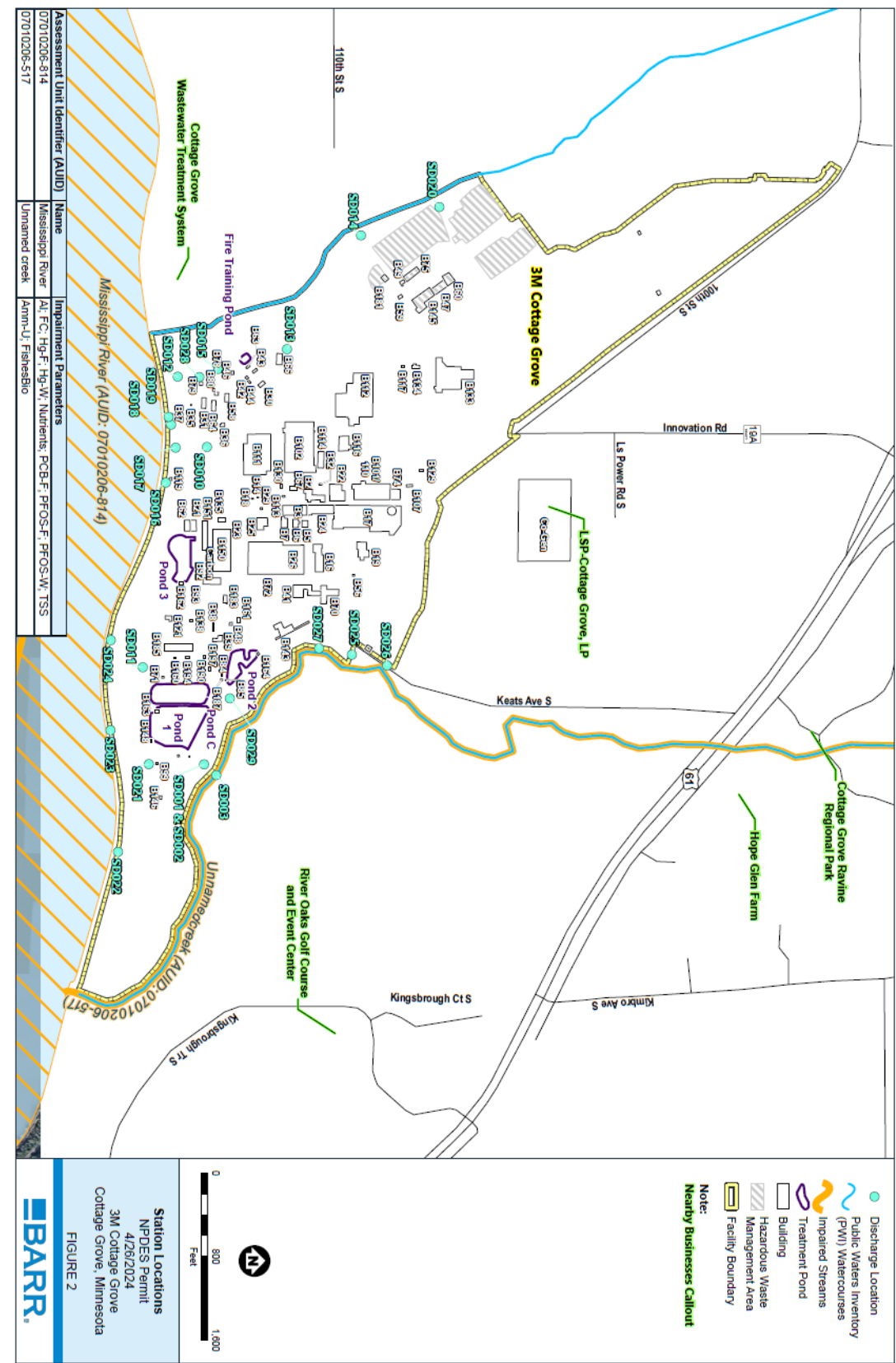


Figure 2. Station locations



Note: Locations are approximate, will be verified during field operations.

Legend

- Stormwater Sampling Locations (Current)
- Stormwater Basin Overflow Locations (Current)
- Stormwater IBM Basins

0 375 750 1,500 Feet

Aerial Source: ESRI, Maxar Mapping Service, 2023

WESTON

Figure 4-2
Current Stormwater Sampling Locations
Cottage Grove Facility
Cottage Grove, Minnesota

File: Y:\Cottage_Grove\mxds\Current_SW_Sampling_Locs_Basins.mxd, 4/24/2024 11:15:15 AM, ricksc



Figure 4. ISTS system locations

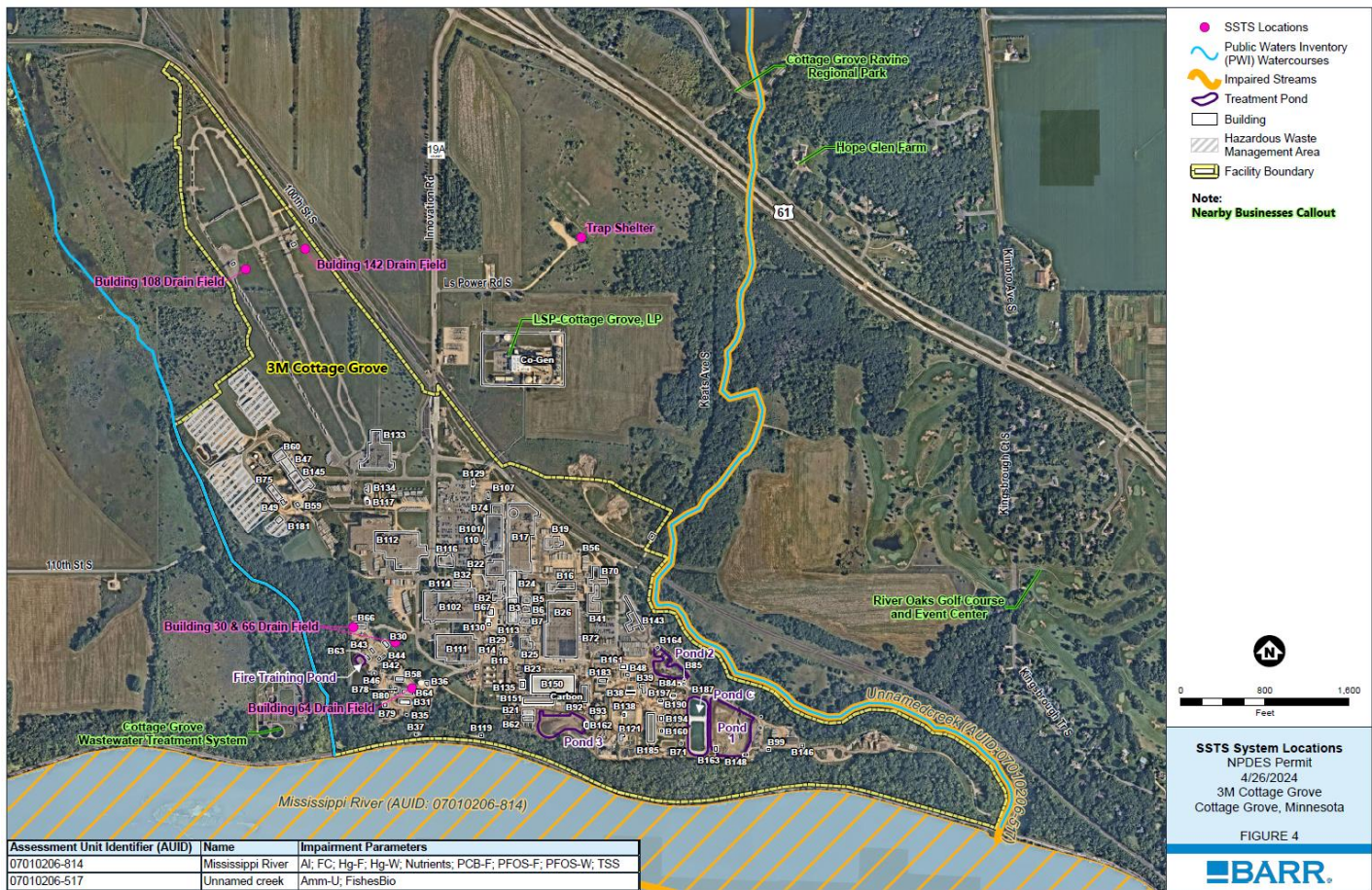


Figure 5. Water flow diagram

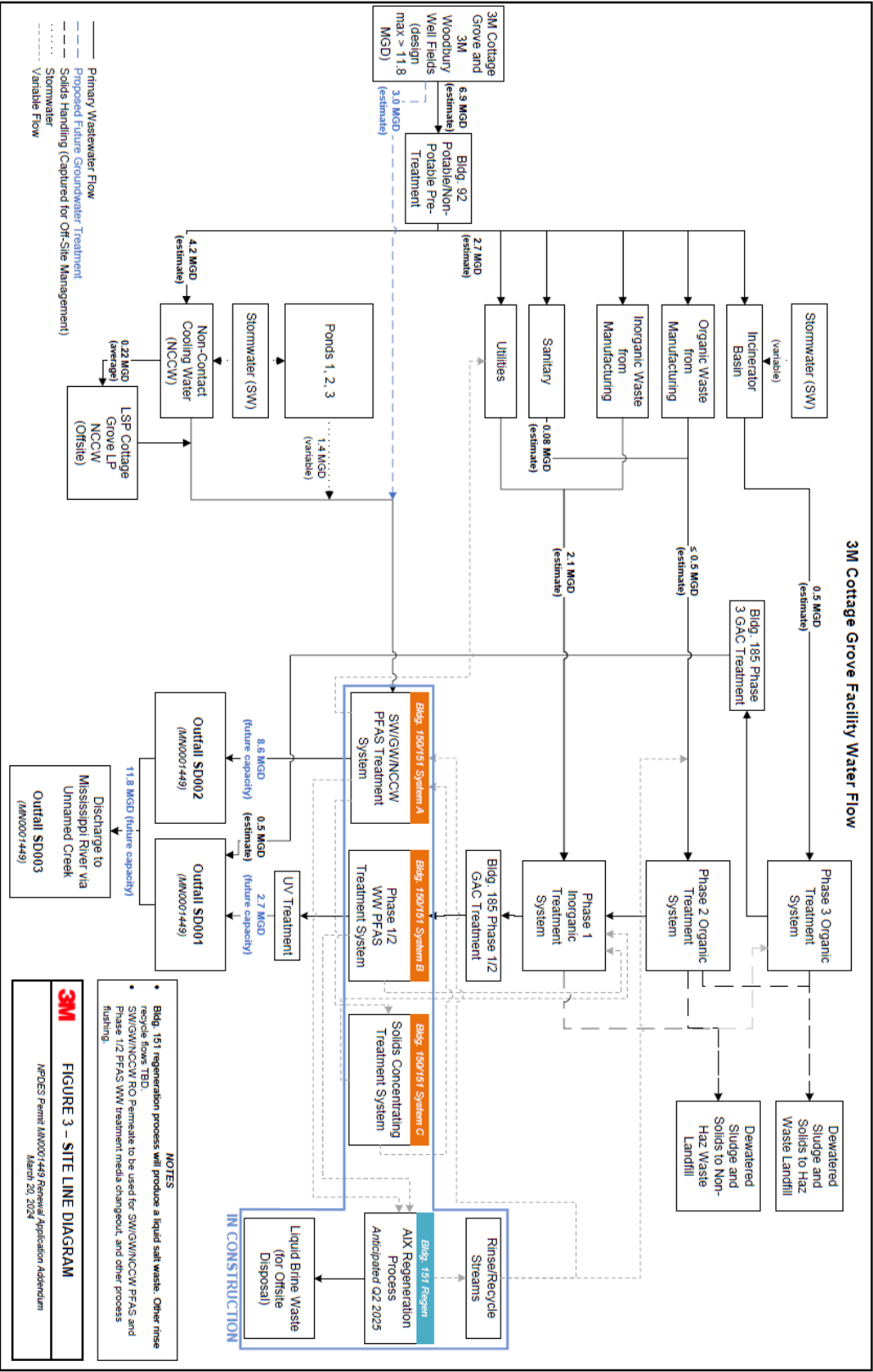
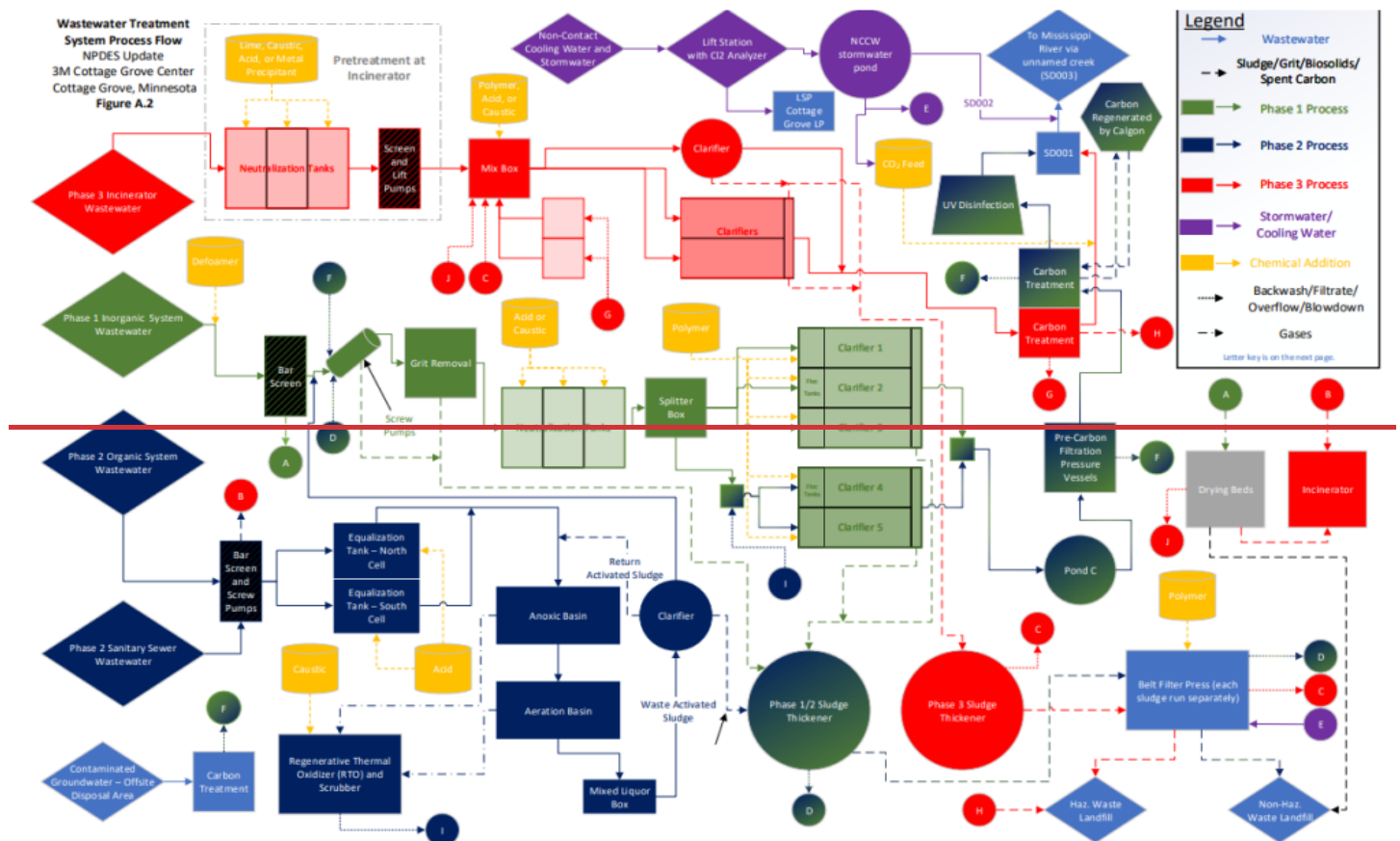


Figure 6. Wastewater treatment system process flow



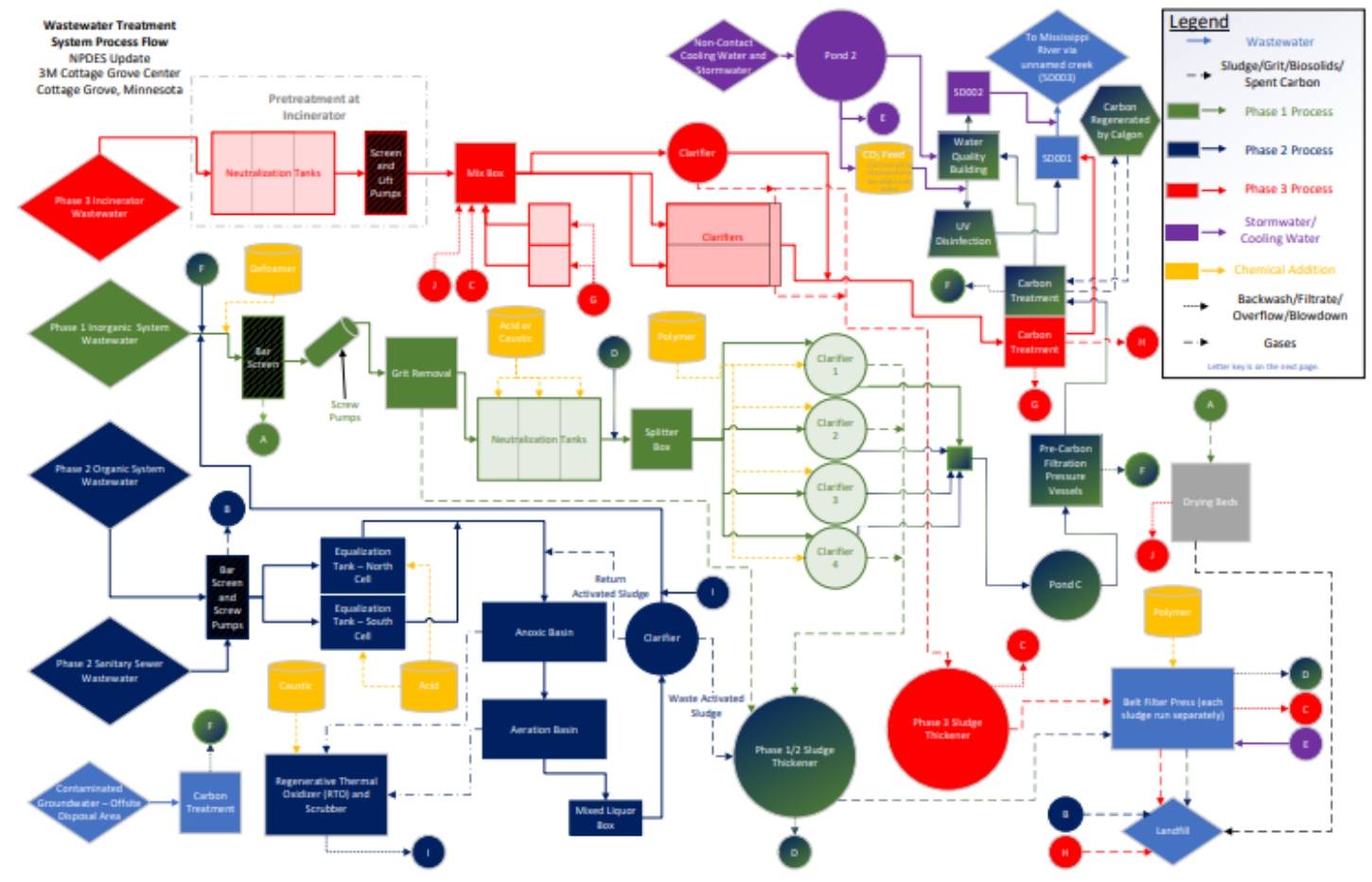


Figure 7. Locations of WS stations in process flow

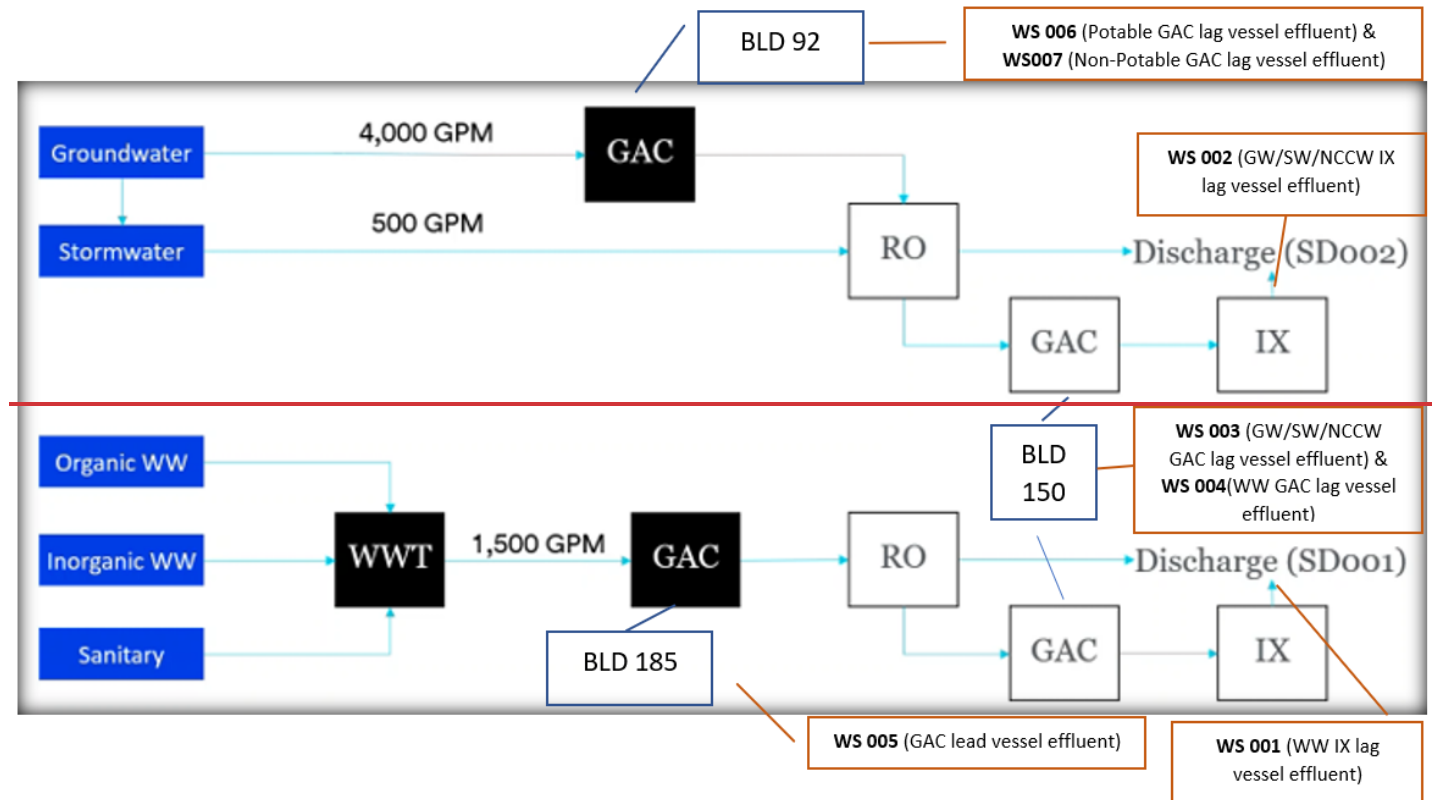
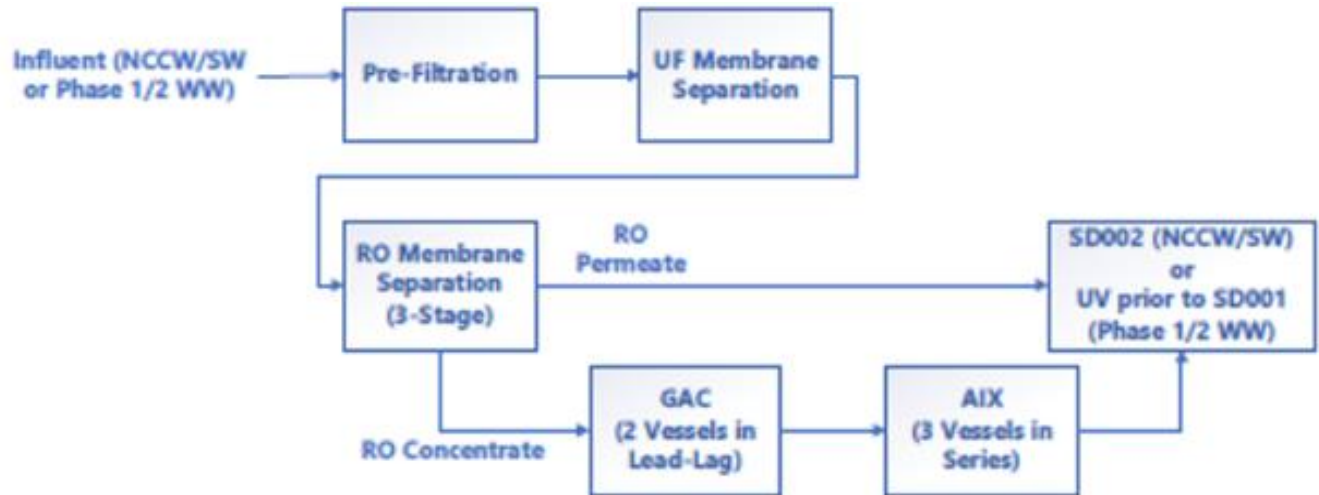
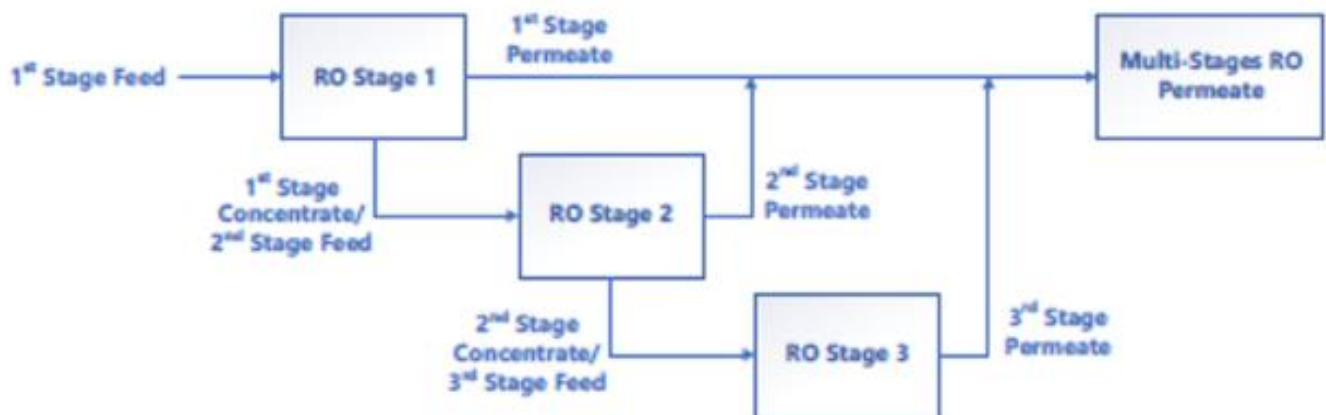


Figure 8. Flow schematic for concentrate flow from the Building 150/151 RO treatment



Summary of full-scale treatment system process flow



Summary of full-scale treatment three-stage RO membrane separation

Figure 9. Flow schematic from RO reject tanks to IX treatment

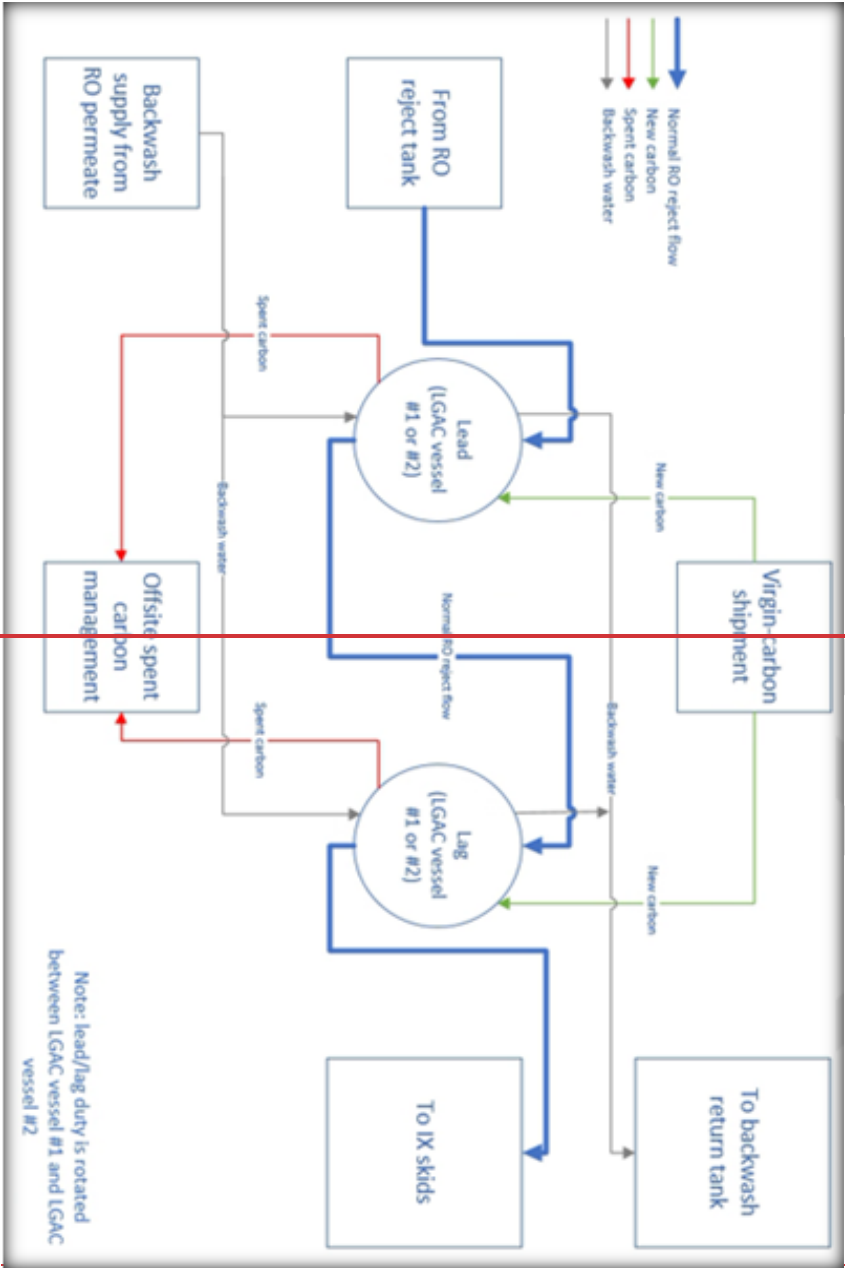
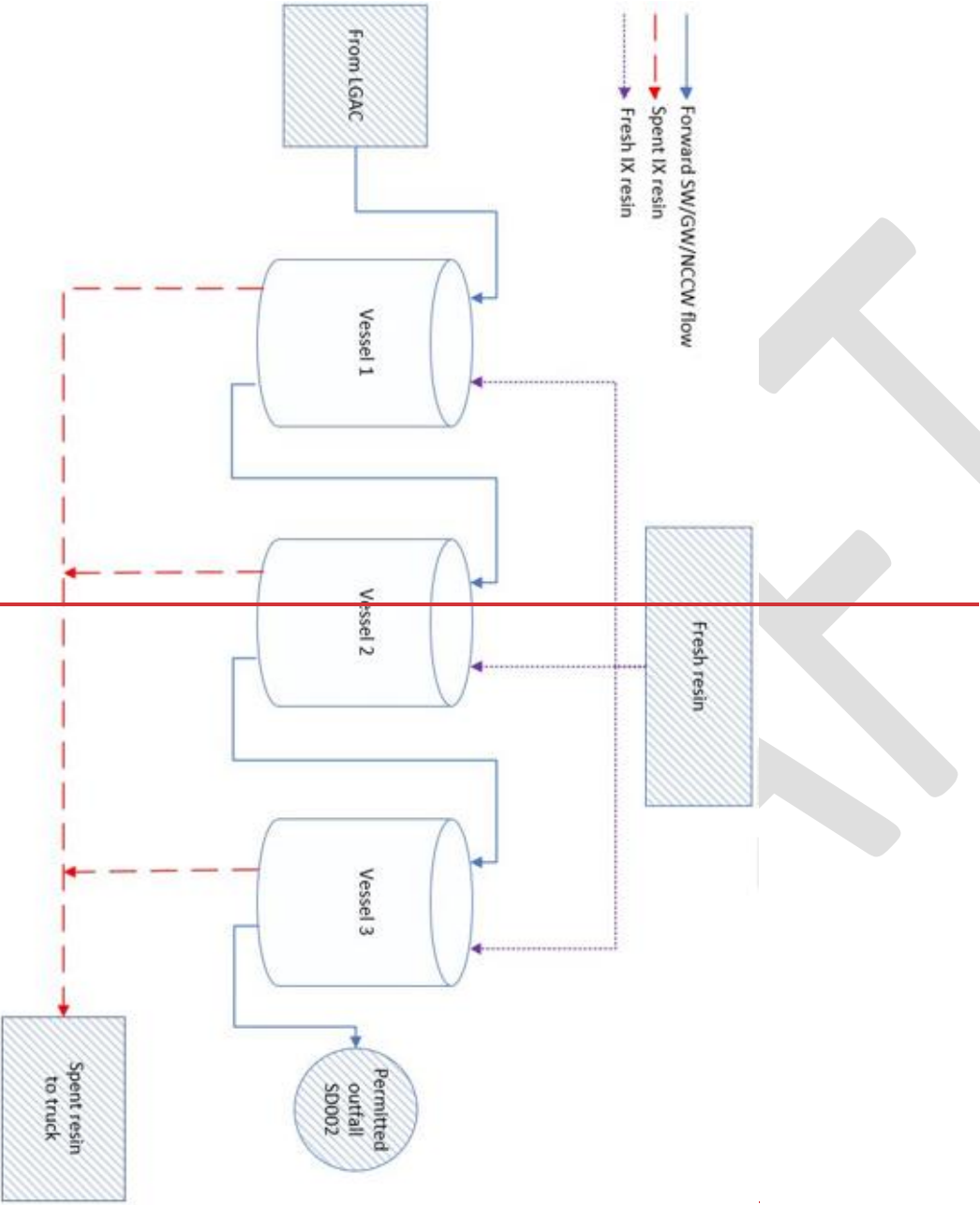


Figure 10. Flow schematic from LGAC to IX vessels in NCCW/ISW/GW system



3. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 001	Effluent To Surface Water	Process & Sanitary Effluent	T27N, R21W, S35, NW Quarter
SD 002	Effluent To Surface Water	NCCW, GW, & ISW Effluent	T27N, R21W, S35, NW Quarter
SD 003	Effluent To Surface Water	Outfalls SD001+ SD002	T27N, R21W, S35, NW Quarter
SD 009	Stormwater, Non-specific Runoff	Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	T27N, R21W, S27, SW Quarter
SD 010	Stormwater, Non-specific Runoff	Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	T27N, R21W, S34, NE Quarter
SD 011	Stormwater, Non-specific Runoff	BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	T27N, R21W, S34, NE Quarter
SD 012	Stormwater, Non-specific Runoff	Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	T27N, R21W, S34, NW Quarter
SD 013	Stormwater, Non-specific Runoff	Basin 3W/3X Overflow: 3W-01, 3X-01, 3X-02: Fire Training Area	T27N, R21W, S34, NW Quarter
SD 014	Stormwater, Non-specific Runoff	Basin 3V Overflow: 3V-01: Former Incinerator Area	T27N, R21W, S27, SW Quarter
SD 015	Stormwater, Non-specific Runoff	Basin 3AL Overflow: 3AL-01, 3AL-03, 3AL-04: Contractor Village	T27N, R21W, S34, NW Quarter
SD 016	Stormwater, Non-specific Runoff	Basin AB-01 Overflow: Former D8 Disposal Area	T27N, R21W, S34, NE Quarter
SD 017	Stormwater, Non-specific Runoff	AB-02: Former D8 Disposal Area	T27N, R21W, S34, NE Quarter
SD 018	Stormwater, Non-specific Runoff	Basin AB-03 Overflow: Former D8 Disposal Area	T27N, R21W, S34, NW Quarter
SD 019	Stormwater, Non-specific Runoff	Basin AB-04 Overflow: Former D8 Disposal Area	T27N, R21W, S34, NW Quarter
SD 020	Stormwater, Non-specific Runoff	Basin 3J/3T Overflow: 3J-01, 3R-01, 3R-02, 3R-03, 3T-01: Former Incinerator Area	T27N, R21W, S27, SW Quarter
SD 021	Stormwater, Non-specific Runoff	Basin 2L-01 Overflow: East Cove/Railroad	T27N, R21W, S35, NW Quarter
SD 022	Stormwater, Non-specific Runoff	O-01: East Cove/Railroad	T27N, R21W, S35, NW Quarter

SD 023	Stormwater, Non-specific Runoff	2N-01: 1/4 Mile West of the East Cove Along Railroad Tracks	T27N, R21W, S35, NW Quarter
SD 024	Stormwater, Non-specific Runoff	2H-01	T27N, R21W, S34, NE Quarter
SD 025	Stormwater, Non-specific Runoff	Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	T27N, R21W, S27, SE Quarter
SD 026	Stormwater, Non-specific Runoff	Basin 1AI-01 Overflow: Building 57/North Access Road	T27N, R21W, S27, SE Quarter
SD 027	Stormwater, Non-specific Runoff	Basin AG Overflow: AG-01 , AG-02, AG-03 : Building 57/North Access Road	T27N, R21W, S34, NE Quarter
SD 028	Stormwater, Non-specific Runoff	Manhole 3Y <u>Catch</u> Basin Overflow: 3Y-01: Contractor Village	T27N, R21W, S34, NW Quarter
SD 029	Stormwater, Non-specific Runoff	1B-01: Building 57/North Access Road	T27N, R21W, S35, NW Quarter
<u>SD 030</u>	<u>Stormwater, Non-specific Runoff</u>	<u>AG-01: Building 57/North Access Road</u>	<u>T27N, R21W, S34, NE Quarter</u>
<u>SD 031</u>	<u>Stormwater, Non-specific Runoff</u>	<u>AG-03: Building 57/North Access Road</u>	<u>T27N, R21W, S34, NE Quarter</u>
SW 001	Stream/River/Ditch, Upstream	UEC-5: Unnamed Creek Upstream of Discharge	T26N, R27W, S21, NW Quarter
SW 002	Stream/River/Ditch, Downstream	EC-5: Unnamed Creek Downstream of Discharge	T35N, R27W, S21, NE Quarter
SW 003	Stream/River/Ditch, Upstream	WC-08: Mississippi River Upstream of 3M Facility	T34N, R27W, S21, NW Quarter
SW 004	Stream/River/Ditch, Downstream	IW-25: Mississippi River at Confluence of Unnamed Creek	T35N, R27W, S21, NE Quarter
WS 001	Internal Waste Stream	Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	T27N, R21W, S34, NE Quarter
WS 002	Internal Waste Stream	NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	T27N, R21W, S34, NE Quarter
WS 003	Internal Waste Stream	GW/ISW/NCCW GAC Lag Vessel Effluent (Bld 150)	T27N, R21W, S34, NE Quarter
WS 004	Internal Waste Stream	WW GAC Lag Vessel Effluent (Bld 150)	T27N, R21W, S34, NE Quarter
WS 005	Internal Waste Stream	BLD 185 GAC Lead Vessel Effluent (Bld 185)	T27N, R21W, S34, NE Quarter
WS 006	Internal Waste Stream	BLD 92 Potable Lag Vessel Effluent	T27N, R21W, S34, NE Quarter

WS 007	Internal Waste Stream	BLD 92 Non-Potable Lag Vessel Effluent	T27N, R21W, S34, NE Quarter
WS 008	Internal Waste Stream	Basin 2L-01: Former D8 Disposal Area & East Cove/Railroad	T27N, R21W, S34, NE Quarter
WS 009	Internal Waste Stream	Basin 3J/3T: 3J-01, 3R-01, 3R-02, 3R-03, 3T-01: Former Incinerator Area	T27N, R21W, S27, SW Quarter
WS 010	Internal Waste Stream	Basin 3U: 3U-01/BML 001: Former Incinerator Area	T27N, R21W, S27, SW Quarter
WS 011	Internal Waste Stream	Basin 3V: 3V-01: Former Incinerator Area	T27N, R21W, S27, SW Quarter
WS 012	Internal Waste Stream	Basin 3Z: 3Z-01, 3Z-02/BML 005: Contractor Village	T27N, R21W, S34, NW Quarter
WS 013	Internal Waste Stream	Fire Training Area Pond: 3AL-02/Fire Training Pond: Fire Training Area	T27N, R21W, S34, NW Quarter
WS 014	Internal Waste Stream	Basin 3AL: 3AL-01, 3AL-03, 3AL-04: Contractor Village	T27N, R21W, S34, NW Quarter
WS 015	Internal Waste Stream	Manhole 3Y Basin: 3Y-01: Contractor Village	T27N, R21W, S34, NW Quarter
WS 016	Internal Waste Stream	Basin AB-01: Former D8 Disposal Area	T27N, R21W, S34, NE Quarter
WS 017	Internal Waste Stream	Basin 2AA: 2AA-01/BML 003: Former D8 Disposal Area	T27N, R21W, S34, NE Quarter
WS 018	Internal Waste Stream	Basin 2I/Pond 3: Bypass Basin (fka 2I-01, 2I-02, 2I-03, 2I-04 and 2I-05): Former D5 Disposal Area	T27N, R21W, S34, NE Quarter
WS 019	Internal Waste Stream	Basin AD: AD-02, AD-03/BML 004: Wastewater Treatment Plant	T27N, R21W, S34, NE Quarter
WS 020	Intermediate: WW to Land	1G-01: Film and Bubbles Manufacturing RunoffBorrow Pit	T27N, R21W, S27, SE Quarter
WS 021	Internal Waste Stream	Basin 1E: 1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	T27N, R21W, S27, SE Quarter
WS 022	Internal Waste Stream	Basin AG: AG-01, AG-02, AG-03: Building 57/North Access Road	T27N, R21W, S27, SE Quarter
WS 023	Intermediate: WW to Land	4L-01: Test Track Area	T27N, R21W, S27, NW Quarter
WS 024	Internal Waste Stream	Basin AB-03: Former D8 Disposal Area	T27N, R21W, S34, NW Quarter

WS 025	Internal Waste Stream	Basin AB-04: Former D8 Disposal Area	T27N, R21W, S34, NW Quarter
WS 026	Internal Waste Stream	Basin 3W/3X: 3W-01, 3X-01, 3X-02: Fire Training Area	T27N, R21W, S34, NW Quarter
WS 027	Internal Waste Stream	Basin 1AI-01: Building 57/North Access Road	T27N, R21W, S27, SE Quarter

DRAFT

4. Permit requirements

SD 001	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	5.1.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.1.3	Samples for Station SD 001 shall be taken at a point prior to the Parshall flume confluence with SD 002, adjacent to Building 86. Samples for Station SD 001 shall be taken at a point representative of all treated wastewater discharged prior to mixing with other waters. [Minn. R. 7001.0150, subp. 2(B)]
		Priority Pollutant Requirements
	5.2.4	Monitoring Frequency. [Minn. R. 7001]
	5.2.5	The Permittee shall monitor priority pollutants four times per year for the life of the permit for the following specified priority pollutants and thus shall submit a quarterly report: Due quarterly. [Minn. R. 7001]
	5.2.6	Sample Type. [Minn. R. 7001]
	5.2.7	All priority pollutant samples should be collected using a 24-hour flow proportional composite; except for the EPA method 624 volatiles, cyanide, and 1631E mercury samples, which must be collected using the grab method. [Minn. R. 7050.0222]
	5.2.8	Reporting Specifics. [Minn. R. 7001]
	5.2.9	Method detection Reporting limits for all priority pollutant analyses shall be below as close as analytically possible to the Class 2B chronic water quality standards whenever analytically possible . [Minn. R. 7050.0222]
	5.2.10	Monitoring Specifics. [Minn. R. 7001]
	5.2.11	Monitoring shall be for the organic priority pollutants identified under the volatile, acid, base/neutral, and pesticide fractions using EPA methods 624, 625, and 608 (40 CFR pt. 136) as listed in Table II of 40 CFR pt. 122, Appendix D or any updates to those methods. The following priority pollutant total metals shall also be monitored using EPA approved methods found in Table IB of the current version of 40 CFR pt. 136: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc. In addition, the Permittee shall monitor for total cyanide, total phenolic compounds, and hardness (total as CaCO₃) using methods approved in the most recent update of 40 CFR pt. 136. Total mercury and dissolved mercury shall be monitored by EPA method 1631E or the most recent update to this method, if not already required by the permit. Total cyanide and free cyanide (or amendable cyanide method since free cyanide chemistry is rarely available) reporting limits shall be as close to the chronic water quality standard of 5.2 ug/L as possible. Chromium shall be monitored as total chromium and as hexavalent chromium. Both total chromium and hexavalent chromium shall have reporting limits of 11 ug/L. [Minn. R. 7001]
	5.2.12	The Permittee must send in the entire priority pollutant report, including the quality control (QC) section each time the priority pollutant scan is performed. The Permittee must send four priority pollutant scans each year for the life of the permit. Bis(2-ethylhexyl) phthalate (DEHP) sampling cannot encounter any kind of plastic, especially soft plastic. Plastic commonly leaches out DEHP and thereby may contaminate the sampling. If the 24-hour composite sampler has any kind of plastic or

		plastic tubing, then DEHP sampling must be taken as a grab sample using non-plastic material. [Minn. R. 7001]
SD 002	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	5.3.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.3.3	Samples for Station SD 002 NCCW/ISW/GW shall be taken at a point representative of the discharge (SD 002) prior to mixing with other waters. Cooling and stormwaters will be directed to the mixing structure downstream of the SD 001 discharge. Samples for SD 002 shall be taken at a point prior to the Parshall flume confluence with SD 001. [Minn. R. 7001.0150, subp. 2(B)]
		Priority Pollutant Requirements
	5.4.4	Monitoring Frequency. [Minn. R. 7001]
	5.4.5	The Permittee shall monitor priority pollutants four times per year for the life of the permit for the following specified priority pollutants and thus shall submit a quarterly report: Due quarterly. [Minn. R. 7001]
	5.4.6	Sample Type. [Minn. R. 7001]
	5.4.7	All priority pollutant samples should be collected using a 24-hour flow proportional composite; except for the <u>EPA method</u> 624 volatiles, cyanide, and 1631E mercury samples, which must be collected using the grab method. [Minn. R. 7050.0222]
	5.4.8	Reporting Specifics. [Minn. R. 7001]
	5.4.9	<u>Method detection</u> Reporting limits for all priority pollutant analyses shall be <u>below as close as analytically possible to</u> the Class 2B chronic water quality standards <u>whenever analytically possible</u> . [Minn. R. 7050.0222]
	5.4.10	Monitoring Specifics. [Minn. R. 7001]
	5.4.11	Monitoring shall be for the organic priority pollutants identified under the volatile, acid, base/neutral, and pesticide fractions using EPA methods 624, 625, and 608 (40 CFR pt. 136) as listed in Table II of 40 CFR pt. 122, Appendix D or any updates to those methods. The following priority pollutant total metals shall also be monitored using EPA approved methods found in Table IB of the current version of 40 CFR pt. 136: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc. In addition, the Permittee shall monitor for total cyanide, total phenolic compounds, and hardness (total as CaCO₃) using methods approved in the most recent update of 40 CFR pt. 136. Total mercury and dissolved mercury shall be monitored by EPA method 1631E or the most recent update to this method, if not already required by the permit. Total cyanide and free cyanide (or amendable cyanide method since free cyanide chemistry is rarely available) reporting limits shall be as close to the chronic water quality standard of 5.2 ug/L as possible. Chromium shall be monitored as total chromium and as hexavalent chromium. Both total chromium and hexavalent chromium shall have reporting limits of 11 ug/L. [Minn. R. 7001]
	5.4.12	The Permittee must send in the entire priority pollutant report, including the quality control (QC) section each time the priority pollutant scan is performed. The Permittee must send four priority pollutant scans each year for the life of the permit. Bis(2-ethylhexyl) phthalate (DEHP) sampling cannot encounter any kind of plastic, especially soft plastic. Plastic commonly leaches out DEHP and

		thereby may contaminate the sampling. If the 24-hour composite sampler has any kind of plastic or plastic tubing, then DEHP sampling must be taken as a grab sample using non-plastic material. [Minn. R. 7001]
SD 003	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	5.5.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5.3	Samples for Station SD 003 shall be taken after the confluence of SD 001 and SD 002 discharge prior to mixing with other effluents, waters, waste streams or discharges. SD 003 is the combined monitoring point for SD 001 and SD 002 prior to discharge to the ravine at manhole 358A. For total residual chlorine (TRC) and whole effluent toxicity - (WET), SD 003 will consist of the directly combined SD 001 and SD 002 discharges prior to discharge to the receiving water. An alternative sample point during unsafe conditions will be located at manhole 358A. [Minn. R. 7001.0150, subp. 2(B)]
		Acute Toxicity Requirements
	<u>5.6.4</u>	Definitions. [Minn. R. 7001]
	<u>5.6.5</u>	"Acute Whole Effluent Toxicity (WET) Test" is a static renewal test conducted on an exponentially diluted series of effluent. The purpose is to calculate the proportion of effluent that causes 50% mortality/immobility of aquatic organisms at 48 hours for <i>Daphnia magna</i> and <i>Ceriodaphnia dubia</i> or 96 hours for fathead minnows. An LC50/EC50 (lethal/immobile concentration) less than or equal to 100% effluent constitutes a positive for toxicity. [State Definitions]
	<u>5.6.6</u>	"Acute toxic unit (TUa)" is the reciprocal of the effluent dilution that causes the acute effect by the end of the acute exposure period. For example, a TUa equals (100% effluent)/(48 hour LC50/EC50 for <i>Daphnia magna</i> and <i>Ceriodaphnia dubia</i> or 96 hour LC50/EC50 for fathead minnows in %). [State Definitions]
	<u>5.6.7</u>	"Test" refers to an individual species. [State Definitions]
	<u>5.6.8</u>	"Test Battery" consists of WET testing of each species associated with each specified acute test. For acute WET testing, all test species includes fathead minnows, <i>Daphnia magna</i> , and <i>Ceriodaphnia dubia</i> . [State Definitions]
	<u>5.6.9</u>	General Requirements. [Minn. R. 7001]
	<u>5.6.10</u>	This permit includes an acute WET limit of 0.9999 TUa, to be met at outfall Station SD 003. A violation of the 0.9999 TUa limit constitutes a violation of the permit. [Minn. R. 7052, Minn. R. 7053]
	<u>5.6.11</u>	The Permittee shall submit annual acute toxicity test battery results : Due 180 calendar days after Permit Issuance Date annually thereafter. [Minn. R. 7001]
	<u>5.6.12</u>	Additional WET tests are required for each year that exceeds the five-year permit cycle if the permit is not immediately reissued after permit expiration. The WET testing results are due on the same date as the original requirement, annually, until the permit is reissued. [Minn. R. 7001]
	<u>5.6.13</u>	Any test that exceeds 0.9999 TUa shall be re-tested according to the Positive Toxicity Results requirement(s) that follow to determine if toxicity is still present above 0.9999 TUa. [Minn. R. 7001]
	<u>5.6.14</u>	Species and Procedural Requirements. [Minn. R. 7001]
	<u>5.6.15</u>	Tests shall be conducted in accordance with procedures outlined in EPA-821-R-02-012 Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms - Fifth Edition (Acute Manual) and any revisions to the Acute Manual. [Minn. R. 7001]
	<u>5.6.16</u>	Any test that begins with an effluent sample that is equal to or exceeds a total ammonia concentration of 5.0 mg/L may use the carbon dioxide-controlled atmosphere technique to control pH drift. [Minn. R. 7001]

<u>5.6.17</u>	<u>Test organisms for each test battery shall include the fathead minnow (Pimephales promelas)-Method 2000.0, Ceriodaphnia dubia-Method 2002.0, and Daphnia magna-Method 2021.0 or any updates to these methods. [Minn. R. 7001]</u>
<u>5.6.18</u>	<u>Static renewal acute serial dilution tests of the effluent shall consist of a control, 12%, 25%, 50%, 75%, and 100% effluent. [Minn. R. 7001]</u>
<u>5.6.19</u>	<u>All effluent samples shall be flow proportioned 24-hour composite samples. Test solutions shall be renewed daily. Testing of the effluent shall begin within 36 hours of sample collection. Receiving water collected outside of the influence of discharge shall be used for dilution and controls. [Minn. R. 7001]</u>
<u>5.6.20</u>	<u>Any other circumstances not addressed in the previous requirements or that require deviation from that specified in the previous requirements shall first be approved by the MPCA. [Minn. R. 7001]</u>
<u>5.6.21</u>	<u>Quality Control (QC) and Report Submittals. [Minn. R. 7001]</u>
<u>5.6.22</u>	<u>Any test that does not meet quality control measures or results which the Permittee believes reflect an artifact of testing (i.e. poor control results) shall be repeated within two weeks of notification from the lab regarding the test sample results. The acute WET report and QC reports shall contain information consistent with the report preparation section of the Acute Manual. The MPCA shall make the final determination regarding test validity. [Minn. R. 7001]</u>
<u>5.6.23</u>	<u>Positive Toxicity Result for WET. [Minn. R. 7001]</u>
<u>5.6.24</u>	<u>Should a test exceed 0.9999 TUa for WET based on results from the most sensitive test species, the Permittee shall conduct two repeat test batteries on all species. The repeat tests are to be completed within 45 days after completion of the positive test. These tests are used to determine if toxicity exceeding 0.9999 TUa remains present for any test species. [Minn. R. 7001]</u>
<u>5.6.25</u>	<u>Repeat Testing Results. [Minn. R. 7001]</u>
<u>5.6.26</u>	<u>Negative Retests. If no toxicity is present above 0.9999 TUa for any test species in both repeat tests, the Permittee shall return to the test frequency specified by the permit. [Minn. R. 7001]</u>
<u>5.6.27</u>	<u>Positive Retests. If toxicity is present above 0.9999 TUa for any test species in either of the repeat tests, the Permittee shall submit a plan for conducting a Toxicity Reduction Evaluation (TRE) for MPCA review and approval. [Minn. R. 7001]</u>
<u>5.6.28</u>	<u>TRE Requirements. [Minn. R. 7001]</u>
<u>5.6.29</u>	<u>The TRE shall be submitted no later than 60 days after the toxicity discovery date and include a Facility Performance Review. Upon approval of the TRE, the Permittee shall implement the TRE or subsequent amendments in its entirety. Any violations of the TRE are violations of this permit.</u> <u>In addition, quarterly reports starting from the date of the TRE submittal are required. The quarterly reports shall include, but are not limited to, a complete description of all progress made towards the identification of the source(s) of toxicity and the Permittee's plans for the removal of the toxicity. The TRE shall be consistent with the Acute Manual or subsequent procedures approved by the MPCA in attempting to identify and remove the source of the toxicity. Routinely schedule acute toxicity test batteries required in this permit shall remain in effect throughout the permit cycle.</u> <u>The Permittee must submit a request to discontinue the TRE for MPCA review upon conclusion of the TRE. If the MPCA discontinues the TRE, the permit may be modified to set conditions to be met by the Permittee based on the TRE results. If the MPCA continues the TRE, the Permittee shall continue to implement the approved conditions of the TRE. [Minn. R. 7001]</u>
<u>5.6.30</u>	<u>Following successful completion of the TRE, the Permittee shall conduct semi-annual testing for the next five-year permit cycle. [Minn. R. 7001]</u>
<u>5.6.31</u>	<u>WET Data and Test Acceptability Criteria (TAC) Submittal. [Minn. R. 7001]</u>
<u>5.6.32</u>	<u>All WET test data and TAC shall be submitted to the MPCA no later than the dates required by this section of the permit using the MPCA Acute Whole Effluent Toxicity Test Report found on the MPCA website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information.</u>

		<u>Data not submitted on the correct form(s), or submitted incomplete, will be returned to the Permittee and deemed incomplete until adequately submitted on the designated form(s). These are legal forms and must be signed and dated by the Permittee. [Minn. R. 7001]</u>
	<u>5.6.33</u>	Potential Permit Modifications. [Minn. R. 7001]
	<u>5.6.34</u>	<u>The permit may be modified during a permit cycle to include additional toxicity testing and/or a revised WET limit based on the WET testing results. [Minn. R. 7001]</u>
		Chronic Toxicity Requirements
	<u>5.76.354</u>	Definitions. [Minn. R. 7001]
	<u>5.76.365</u>	"Chronic Whole Effluent Toxicity (WET) Test" is a static renewal test conducted on an exponentially diluted series of effluent. The purpose is to calculate appropriate biological effect endpoints (NOEC or IC25), specified in the referenced chronic manual. A statistical effect level less than the Receiving Water Concentration (RWC) constitutes a positive test for chronic toxicity. The RWC equals the 100% effluent concentration or 1.0 TUC. [State Definitions]
	<u>5.76.376</u>	"Chronic toxic unit (TUC)" is the reciprocal of the effluent dilution that causes no unacceptable effect on the test organisms by the end of the chronic exposure period. For example, a TUC equals [7Q10 flow (mgd) + effluent average dry weather flow (mgd)]/[effluent average dry weather flow (mgd)]. [State Definitions]
	<u>5.76.387</u>	"Test" refers to an individual species. [State Definitions]
	<u>5.76.398</u>	"Test Battery" consists of WET testing of each species with each specified chronic test. For chronic WET testing, all test species includes fathead minnows and Ceriodaphnia dubia. [State Definitions]
	<u>5.76.409</u>	General Requirements. [Minn. R. 7001]
	<u>5.76.4140</u>	This permit does not include a chronic WET limit; however, the facility has a WET monitoring requirement and is required to conduct chronic toxicity tests from outfall Station SD 003. Results of chronic toxicity tests will be evaluated against a monitoring threshold value of 1.0 TUC. [Minn. R. 7052, Minn. R. 7053]
	<u>5.76.4211</u>	The Permittee shall submit annual chronic toxicity test battery results: Due 180 calendar days after Permit Issuance Date annually thereafter. [Minn. R. 7001]
	<u>5.76.4312</u>	Additional WET tests are required for each year that exceeds the five-year permit cycle if the permit is not immediately reissued after permit expiration. The WET testing results are due on the same date as the original requirement, annually, until the permit is reissued. [Minn. R. 7001]
	<u>5.76.4413</u>	Any test that exceeds 1.0 TUC shall be re-tested according to the Positive Toxicity Results requirement(s) that follow to determine if toxicity is still present above 1.0 TUC (RWC<100). [Minn. R. 7001]
	<u>5.76.4514</u>	Species and Procedural Requirements. [Minn. R. 7001]
	<u>5.76.4615</u>	Tests shall be conducted in accordance with procedures outlined in EPA-821-R-02-013 Short-term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms - Fourth Edition (Chronic Manual) and any revisions to the Chronic Manual. [Minn. R. 7001]
	<u>5.76.4716</u>	Any test that begins with an effluent sample that is equal to or exceeds a total ammonia concentration of 5.0 mg/L may use the carbon dioxide-controlled atmosphere technique to control pH drift. [Minn. R. 7001]
	<u>5.76.4817</u>	Test organisms for each test battery shall include the fathead minnow (Pimephales promelas)-Method 1000.0 and Ceriodaphnia dubia-Method 1002.0 or any updates to these methods. [Minn. R. 7001]
	<u>5.76.4918</u>	Static renewal chronic serial dilution tests of the effluent shall consist of a control, 12%, 25%, 50%, 75%, and 100% effluent. A 100% RWC may be substituted for the 100% effluent concentration or provided in addition to the above dilution series. [Minn. R. 7001]
	<u>5.76.5019</u>	All effluent samples shall be flow proportioned 24-hour composite samples. Test solutions shall be renewed daily. Testing of the effluent shall begin within 36 hours of sample collection. Receiving water collected outside of the influence of discharge or synthetic water provided by the laboratory shall be used for dilution and controls. [Minn. R. 7001]

5.76.5120	Any other circumstances not addressed in the previous requirements or that require deviation from that specified in the previous requirements shall first be approved by the MPCA. [Minn. R. 7001]
5.76.5221	Quality Control (QC) and Report Submittals. [Minn. R. 7001]
5.76.5322	Any test that does not meet quality control measures or results which the Permittee believes reflect an artifact of testing (i.e. poor control results) shall be repeated within two weeks of the notification from the lab regarding the test sample results. The chronic WET report and QC reports shall contain information consistent with the report preparation section of the Chronic Manual. The MPCA shall make the final determination regarding test validity. [Minn. R. 7001]
5.76.5423	Positive Toxicity Result for WET. [Minn. R. 7001]
5.76.5524	Should a test exceed 1.0 TUC for WET based on results from the most sensitive test species, the Permittee shall conduct two repeat test batteries on all species. The repeat tests are to be completed within 45 days after completion of the positive test. These tests are used to determine if toxicity exceeding 1.0 TUC remains present for any test species. [Minn. R. 7001]
5.76.5625	Repeat Testing Results. [Minn. R. 7001]
5.76.5726	Negative Retests. If no toxicity is present above 1.0 TUC for any test species in both retests, the Permittee shall return to the test frequency specified by the permit. [Minn. R. 7001]
5.76.5827	Positive Retests. If toxicity is present above 1.0 TUC for any test species in either retests, the Permittee shall submit a plan for conducting a Toxicity Reduction Evaluation (TRE) for MPCA review and approval. [Minn. R. 7001]
5.76.5928	TRE Requirements. [Minn. R. 7001]
5.76.6029	The TRE shall be submitted <u>no later than</u> within 60 days after the toxicity discovery date and include a Facility Performance Review. Upon approval of the TRE, the Permittee shall implement the TRE or subsequent amendments in its entirety. Any violations of the TRE are violations of this permit. In addition, quarterly reports starting from the date of the TRE submittal are required. The quarterly reports shall include, but are not limited to, a complete description of all progress made towards the identification of the source(s) of toxicity, and the Permittee's plans for the removal of the toxicity. The TRE shall be consistent with the Chronic Manual or subsequent procedures approved by the MPCA in attempting to identify and remove the source of the toxicity. Routinely scheduled chronic toxicity test batteries required in this permit shall remain in effect throughout the permit cycle. The Permittee must submit a request to discontinue the TRE for MPCA review upon conclusion of the TRE requirements. If the MPCA discontinues the TRE, the permit may be modified to set conditions to be met by the Permittee based on the TRE results. If the MPCA continues the TRE, the Permittee shall continue to implement the approved conditions of the TRE. [Minn. R. 7001]
5.76.6130	Following successful completion of the TRE, the Permittee shall conduct semi-annual testing for the next five-year permit cycle. [Minn. R. 7001]
5.76.6231	WET Data and Test Acceptability Criteria (TAC) Submittal. [Minn. R. 7001]
5.76.6332	All WET test data and TAC must be submitted to the MPCA <u>no later than</u> by the dates required by this section of the permit using both the MPCA Ceriodaphnia dubia Chronic Toxicity Test Report and the MPCA Fathead Minnow Chronic Toxicity Test Report found on the MPCA website at https://www.pca.state.mn.us/business-with-us/step-4-create-swppp-choose-bmps. Data not submitted on the correct form(s), or submitted incomplete, will be returned to the Permittee and deemed incomplete until adequately submitted on the designated form(s). These are legal forms and must be signed and dated by the Permittee. [Minn. R. 7001]
5.76.6433	Potential Permit Modifications. [Minn. R. 7001]
5.76.6534	The permit may be modified during a permit cycle to include additional toxicity testing and/or a WET limit based on the WET testing results. [Minn. R. 7001]

SD 009	Stormwater, Non-specific Runoff	
		Surface Discharge: Industrial Stormwater Sector K Requirements
	5. 87 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 87 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 87 .3	Samples for Station SD 009 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 010	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5. 98 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 98 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 98 .3	Samples for Station SD 010 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 011	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5. 109 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 109 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 109 .3	Samples for Station SD 011 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 012	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5. 110 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 110 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 110 .3	Samples for Station SD 012 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 013	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5. 121 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 121 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 121 .3	Samples for Station SD 013 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]

SD 014	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
		5.1 32 .1 The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.1 32 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.1 32 .3 Samples for Station SD 014 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 015	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
		5.1 43 .1 The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.1 43 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.1 43 .3 Samples for Station SD 015 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 016	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
		5.1 54 .1 The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.1 54 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.1 54 .3 Samples for Station SD 016 shall be collected from stormwater overflowing the concrete basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 017	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
		5.1 65 .1 The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.1 65 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.1 65 .3 Samples for Station SD 017 shall be collected from the pipe running approximately halfway down the roadway leading to wells PW-06/-31 (collect from south side outside fence - access through gate near PW-06, just west of MW-120). [Minn. R. 7001.0150, subp. 2(B)]
SD 018	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
		5.1 76 .1 The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.1 76 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.1 76 .3 Samples for Station SD 018 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]

SD 019	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.1 87 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1 87 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.1 87 .3	Samples for Station SD 019 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 020	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.1 98 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1 98 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.1 98 .3	Samples for Station SD 020 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 021	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 019 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 019 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 019 .3	Samples for Station SD 021 shall be collected from the pipe that drains to the small ravine or the overflow from the concrete catch basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 022	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 19 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 19 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 19 .3	Samples for Station SD 022 shall be collected from the cement culvert that drains to the wetland along the railroad tracks (about 300 yards west of the East Cove). [Minn. R. 7001.0150, subp. 2(B)]
SD 023	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 24 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 24 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 24 .3	Samples for Station SD 023 shall be collected from the pipe that is approximately 1/4 mile west of the East Cove along the railroad tracks. [Minn. R. 7001.0150, subp. 2(B)]

SD 024	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 32 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 32 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 32 .3	Samples for Station SD 024 shall be collected from the large cement culvert located halfway between the East Cove and railroad access gate near MW-14R. [Minn. R. 7001.0150, subp. 2(B)]
SD 025	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 43 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 43 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 43 .3	Samples for Station SD 025 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 026	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 54 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 54 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 54 .3	Samples for Station SD 026 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 027	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 65 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 65 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 65 .3	Samples for Station SD 027 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]
SD 028	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.2 76 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2 76 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.2 76 .3	Samples for Station SD 028 shall be collected from stormwater overflowing the basin. [Minn. R. 7001.0150, subp. 2(B)]

SD 029	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	5.287.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.287.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.287.3	Samples for Station SD 029 shall be collected from <u>flow near the swale between Trestle Rd. and the creek the metal culvert—30" pipe (located between Trestle Rd. and creek just upstream from the SD 001/SD 002 discharge location, marked by manhole near the road).</u> [Minn. R. 7001.0150, subp. 2(B)]
SD 030	<u>Stormwater, Non-specific Runoff</u>	
		Facility Specific Limit and Monitoring Requirements
	5.29.1	<u>The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]</u>
	5.29.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.29.3	<u>Samples for Station SD 030 shall be collected from stormwater discharging from a pipe on the west side of the unnamed creek and east side of the access road below a guard rail. [Minn. R. 7001.0150, subp. 2(B)]</u>
SD 031	<u>Stormwater, Non-specific Runoff</u>	
		Facility Specific Limit and Monitoring Requirements
	5.30.1	<u>The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]</u>
	5.30.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.30.3	<u>Samples for Station SD 031 shall be collected from stormwater discharging from a steel pipe closest to the railroad tracks near a wooden structure, located east of building 57 on the west side of the unnamed creek. [Minn. R. 7001.0150, subp. 2(B)]</u>
SW 001	Stream/River/ Ditch, Upstream	
		Facility Specific Limit and Monitoring Requirements
	5.3128.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3128.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.3128.3	Samples for Station SW 001 shall be taken at 44.799089 degrees latitude and -92.90243 degrees longitude. [Minn. R. 7001.0150, subp. 2(B)]
	5.3128.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]

SW 002	Stream/River/ Ditch, Downstream	
		Facility Specific Limit and Monitoring Requirements
	5.3229.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3229.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.3229.3	Samples for Station SW 002 shall be taken at 44.783851 degrees latitude and -92.892986 degrees longitude. [Minn. R. 7001.0150, subp. 2(B)]
	5.3229.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
SW 003	Stream/River/ Ditch, Upstream	
		Facility Specific Limit and Monitoring Requirements
	5.330.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.330.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.330.3	Samples for Station SW 003 shall be taken at 44.785501 degrees latitude and -92.917304 degrees longitude. [Minn. R. 7001.0150, subp. 2(B)]
	5.330.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
SW 004	Stream/River/ Ditch, Downstream	
		Facility Specific Limit and Monitoring Requirements
	5.341.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.341.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.341.3	Samples for Station SW 004 shall be taken at 44.782897 degrees latitude and -92.893 degrees longitude. [Minn. R. 7001.0150, subp. 2(B)]
	5.341.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
WS 001	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.352.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

	5.3 52 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.3 52 .3	Samples for Station WS 001 shall be taken at a point prior to the confluence with the RO permeate for SD 001. [Minn. R. 7001.0150, subp. 2(B)]
		Intervention Limit Requirements
	5.33.4	Sampling and Analyses. [Minn. R. 7001]
	5.33.5	If an intervention limit is exceeded, the Permittee shall: A. Sample the monitoring station again within two days of receiving sample results if the previous samples at the monitoring location did not exceed the intervention limit and a sample hasn't already been taken since the sample with the associated intervention limit exceedance; B. Evaluate the significance and the cause of the intervention limit having been exceeded. The cause shall include a thorough review of the carbon changeout frequency of the GAC system and the ion exchange media regeneration and/or changeout frequency; C. Evaluate the need for immediate corrective action to prevent pollutant levels from exceeding the intervention limits again; and D. Evaluate the need for changes in monitoring, including but not limited to, increasing sampling frequencies, changing the characteristics monitored, installing additional monitoring stations, identifying appropriate shorter-chain sentinel compounds to monitor, identify the specific monitoring locations at which to monitor them in order to best understand what operation and maintenance actions might be needed, and to ensure such actions are reflected in the Cottage Grove O&M manual(s), and reducing pollutant loadings. [Minn. R. 7001]
	5.33.6	Reporting. [Minn. R. 7001]
	5.33.7	The Permittee shall submit an Intervention Limit Exceedance Evaluation Report within 30 days after obtaining intervention limit exceedance sample results. [Minn. R. 7001]
	5.33.8	This report shall describe the evaluations and conclusions, and the schedule of actions taken or planned to prevent the intervention limits from being exceeded. [Minn. R. 7001]
	5.33.9	An exceedance of an intervention limit does not constitute a violation under this permit. However, the Permittee is required to perform any necessary corrective action(s) to address control measures, including the maintenance or implementation of Best Management Practices (BMPs), when an exceedance of an intervention limit occurs. Failure to respond to intervention limit exceedances is a violation of the permit. [Minn. R. 7001]
	5.33.10	See the Special Requirements section below for additional applicable requirements. [Minn. R. 7001]
WS 002	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.3 64 .1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3 64 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.3 64 .3	Samples for Station WS 002 shall be taken at a point prior to the confluence with the RO permeate for SD 002. [Minn. R. 7001.0150, subp. 2(B)]
		Intervention Limit Requirements
	5.35.4	Sampling and Analyses. [Minn. R. 7001]
	5.35.5	If an intervention limit is exceeded, the Permittee shall: A. Sample the monitoring station again within two days of receiving sample results if the previous samples at the monitoring location did not exceed the intervention limit and a sample hasn't already been taken since the sample with the associated intervention limit exceedance; B. Evaluate the significance and the cause of the intervention limit having been exceeded. The cause shall include a thorough review of the carbon changeout frequency of the GAC system and the ion

		exchange media regeneration and/or changeout frequency; C. Evaluate the need for immediate corrective action to prevent pollutant levels from exceeding the intervention limits again; and D. Evaluate the need for changes in monitoring, including but not limited to, increasing sampling frequencies, changing the characteristics monitored, installing additional monitoring stations, identifying appropriate shorter-chain sentinel compounds to monitor, identify the specific monitoring locations at which to monitor them in order to best understand what operation and maintenance actions might be needed, and to ensure such actions are reflected in the Cottage Grove O&M manual(s), and reducing pollutant loadings. [Minn. R. 7001]
	5.35.6	Reporting. [Minn. R. 7001]
	5.35.7	The Permittee shall submit an Intervention Limit Exceedance Evaluation Report within 30 days after obtaining intervention limit exceedance sample results. [Minn. R. 7001]
	5.35.8	This report shall describe the evaluations and conclusions, and the schedule of actions taken or planned to prevent the intervention limits from being exceeded. [Minn. R. 7001]
	5.35.9	An exceedance of an intervention limit does not constitute a violation under this permit. However, the Permittee is required to perform any necessary corrective action(s) to address control measures, including the maintenance or implementation of BMPs, when an exceedance of an intervention limit occurs. Failure to respond to intervention limit exceedances is a violation of the permit. [Minn. R. 7001]
	5.35.10	See the Special Requirements section below for additional applicable requirements. [Minn. R. 7001]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.376.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.376.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.376.3	Samples for Station WS 003 shall be taken at a point representative of the effluent from the lag vessels of the GW/ISW/NCCW GAC system in Building 150. [Minn. R. 7001.0150, subp. 2(B)]
WS 004	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.387.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.387.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.387.3	Samples for Station WS 004 shall be taken at a point representative of the effluent from the lag vessels of the WW GAC system in Building 150. [Minn. R. 7001.0150, subp. 2(B)]
WS 005	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.398.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.398.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.398.3	Samples for Station WS 005 shall be taken at a point representative of the effluent from the lead vessels of the Phase 1/2 GAC system in Building 185. Samples at this station shall be rotated sequentially each sampling event through the multiple GAC vessel pairs. [Minn. R. 7001.0150, subp. 2(B)]

		Intervention Limit Requirements
	5.4039.4	Sampling and Analyses. [Minn. R. 7001]
	5.4039.5	If an intervention limit is exceeded, the Permittee shall: A. Sample the monitoring station again within two days of receiving sample results if the previous samples at the monitoring location did not exceed the intervention limit and a sample hasn't already been taken since the sample with the associated intervention limit exceedance; B. Evaluate the significance and the cause of the intervention limit having been exceeded. The cause shall include a thorough review of the carbon changeout frequency of the GAC system and the ion exchange media regeneration and/or changeout frequency; C. Evaluate the need for immediate corrective action to prevent pollutant levels from exceeding the intervention limits again; and D. Evaluate the need for changes in monitoring, including but not limited to, increasing sampling frequencies, changing the characteristics monitored, installing additional monitoring stations, identifying appropriate shorter-chain sentinel compounds to monitor, identify the specific monitoring locations at which to monitor them in order to best understand what operation and maintenance actions might be needed, and to ensure such actions are reflected in the Cottage Grove O&M manual(s), and reducing pollutant loadings. [Minn. R. 7001]
	5.4039.6	Reporting. [Minn. R. 7001]
	5.4039.7	The Permittee shall submit an Intervention Limit Exceedance Evaluation Report within 30 days after obtaining intervention limit exceedance sample results. [Minn. R. 7001]
	5.4039.8	This report shall describe the evaluations and conclusions, and the schedule of actions taken or planned to prevent the intervention limits from being exceeded. [Minn. R. 7001]
	5.4039.9	An exceedance of an intervention limit does not constitute a violation under this permit. However, the Permittee is required to perform any necessary corrective action(s) to address control measures, including the maintenance or implementation of BMPs, when an exceedance of an intervention limit occurs. Failure to respond to intervention limit exceedances is a violation of the permit. [Minn. R. 7001]
	5.4039.10	See the Special Requirements section below for additional applicable requirements. [Minn. R. 7001]
WS 006	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.419.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.419.2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.419.3	Samples for Station WS 006 shall be taken at a point representative of the effluent from the lag vessels of the Potable GAC system in Building 92. [Minn. R. 7001.0150, subp. 2(B)]
		<u>Additional Intervention Limit</u> Requirements
	5.421.4	For any BLD 92 effluent with any PFAS compound above <u>the lowest published</u> MDH Health Based Value (HBV) <u>or Health Risk Limit (HRL)</u>, the Permittee shall evaluate methods and technologies that will be used to eliminate the discharge of BLD 92 water exceeding HBV for unsaturated zone discharges (Minn. R. 7060.0600). The evaluation and methods shall include, but are not limited to, the following: A. Cease using BLD 92 effluent for irrigation, fire test water, and utility water that will be discharged to the unsaturated zone across the facility unless a water source with PFAS concentrations below HBVs is used and contain and haul fire hydrant testing water to PFAS treatment (e.g., Building 150, temporary granular activated carbon (GAC) vessels, etc.). [Minn. R. 7001]

WS 007	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
		5.4 32 .1 The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.4 32 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.4 32 .3 Samples for Station WS 007 shall be taken at a point representative of the effluent from the lag vessels of the Non-Potable GAC system in Building 92. [Minn. R. 7001.0150, subp. 2(B)]
		<u>Additional</u>Intervention Limit Requirements
		5.4 43 .4 For any BLD 92 effluent with any PFAS compound above <u>the lowest published</u> MDH Health Based Value (HBV) <u>or Health Risk Limit (HRL)</u> , the Permittee shall evaluate methods and technologies that will be used to eliminate the discharge of BLD 92 water exceeding HBV for unsaturated zone discharges (Minn. R. 7060.0600). The evaluation and methods shall include, but are not limited to, the following: A. Cease using BLD 92 effluent for irrigation, fire test water, and utility water that will be discharged to the unsaturated zone across the facility unless a water source with PFAS concentrations below HBVs is used and contain and haul fire hydrant testing water to PFAS treatment (e.g., Building 150, temporary granular activated carbon (GAC) vessels, etc.). [Minn. R. 7001]
WS 008	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
		5.4 54 .1 The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.4 54 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.4 54 .3 Samples for Station WS 008 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 009	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
		5.4 65 .1 The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.4 65 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.4 65 .3 Samples for Station WS 009 shall be collected from the stormwater entering/contained in the 40-mil lined basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 010	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
		5.4 76 .1 The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		5.4 76 .2 Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
		5.4 76 .3 Samples for Station WS 010 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 011	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements

	5.4 87 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.4 87 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.4 87 .3	WS 011 is located near the gate to access well MW-19. A drainage ditch exists at the end of the trailer lot and empties into the large catch basin. Samples for Station WS 011 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 012	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.4 98 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.4 98 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.4 98 .3	Samples for Station WS 012 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 013	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 049 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 049 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 049 .3	Samples for Station WS 013 shall be collected from stormwater entering/contained in the 100-mil lined basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 014	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 10 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 10 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 10 .3	Samples for Station WS 014 shall be collected from stormwater entering/contained in Basin 3AL (40-mil lined). [Minn. R. 7001.0150, subp. 2(B)]
WS 015	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 21 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 21 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 21 .3	Samples for Station WS 015 shall be collected from stormwater entering/contained in the manhole. [Minn. R. 7001.0150, subp. 2(B)]
WS 016	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 32 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

	5.5 32 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 32 .3	Samples for Station WS 016 shall be collected from stormwater entering/contained in the concrete-lined basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 017	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 43 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 43 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 43 .3	Samples for Station WS 017 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 018	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 54 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 54 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 54 .3	Samples for Station WS 018 shall be collected from stormwater entering/contained in Pond 3 (newly constructed 100-mil lined pond). [Minn. R. 7001.0150, subp. 2(B)]
WS 019	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 65 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 65 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 65 .3	Samples for Station WS 019 shall be collected from stormwater entering/contained in the HDPE-lined basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 020	Intermediate: WW to Land	
		Facility Specific Limit and Monitoring Requirements
	5.5 76 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 76 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 76 .3	Samples for Station WS 020 shall be collected from the large (3-4' diameter) concrete pipe on north side of railroad tracks north of Building 17. [Minn. R. 7001.0150, subp. 2(B)]
WS 021	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 87 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 87 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 87 .3	Samples for Station WS 021 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]

WS 022	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.5 98 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5 98 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.5 98 .3	Samples for Station WS 022 shall be collected from stormwater entering/contained in the HDPE lined basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 023	Intermediate: WW to Land	
		Facility Specific Limit and Monitoring Requirements
	5. 6059 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5. 6059 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5. 6059 .3	WS 023 is located in the test track area. Samples for Station WS 023 shall be taken at the main point of discharge identified in the SWPP. [Minn. R. 7001.0150, subp. 2(B)]
WS 024	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.6 10 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6 10 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.6 10 .3	Samples for Station WS 024 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 025	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.6 21 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6 21 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.6 21 .3	Samples for Station WS 025 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 026	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.6 32 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6 32 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.6 32 .3	Samples for Station WS 026 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 027	Internal Waste Stream	

		Facility Specific Limit and Monitoring Requirements
	5.6 43 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6 43 .2	Sampling Location. [Minn. R. 7001.0150, subp. 2(B)]
	5.6 43 .3	Samples for Station WS 027 shall be collected from stormwater entering/contained in the basin. [Minn. R. 7001.0150, subp. 2(B)]
MN0001449	3M Cottage Grove Center	
		Facility Description and Location
	5.6 54 .1	ISTS Systems The facility has six individual subsurface/sewage treatment systems (ISTS) that were not included in the 2007 application for permit reissuance but have been in place for decades. Each drainfield system is associated with a specific building (B30, B64, B66, B108, B142, and a trap range shelter). 3M estimates that the combined flow to all six ISTSs is less than 600 gpd. [Minn. R. 7001]
	5.6 54 .2	Bypass/Overflow Locations Discharges from The facility has the following two three bypass/ overflow locations are not authorized by this permit and shall be monitored and reported to MPCA in accordance with paragraphs 5.70.118-119 of this permit. The “bypass” provisions in paragraphs 5.80.407-408 of this permit do not apply with respect to discharges from these emergency discharge locations: 1. Woodbury Groundwater Emergency Discharge Bypass . The Woodbury Groundwater consists of groundwater pumped from a 3M Woodbury site to the 3M Cottage Grove plant for use as process and cooling waters. It is typically monitored and discharged via SD 001 (process wastewater system) and SD 002 (NCCW, GW, and SW system). Infrequently, a bypass of Woodbury groundwater flow is impacted by required due to piping pressure constraints from plant shutdowns. During these infrequent occasions, Woodbury groundwater is not directed to may bypass the cooling water system (ponds) and is discharged to the ravine adjacent to the plant via a stormwater outfall, which is not an authorized discharge for the Woodbury groundwater. 2. Emergency Bypass for SD-002. During high rainfall events typically exceeding a once in 10-year 24-hour rainfall volume, flow may exceed the normal SD-002 piping capacity and may bypass the normal SD-002 discharge point. It will discharge from the last cooling pond to the ravine located adjacent to the plant site via a stormwater outfall. This is an overflow stormwater outfall for SD-002, site stormwater, the Woodbury remediation site disposal groundwater, and the Cottage Grove LSP power plant facility water. 23. This is a stormwater outfall that receives wastewater from the emergency bypass from the Cottage Grove LSP power plant, the emergency bypass for the Woodbury remediation site groundwater, and the emergency bypass for outfall SD 002. During periods of high flow or when 3M uses the NCCW stormwater pond for containment, LSP Cottage Grove LP wastewater and cooling water has been can be routed directly to surface water, a practice which is not authorized by this permit. [Minn. R. 7001]
		Surface Discharge Station General Requirements
	5.6 65 .3	Representative Samples. [Minn. R. 7001]
	5.6 65 .4	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
	5.6 65 .5	Surface Discharge Prohibitions. [Minn. R. 7001]
	5.6 65 .6	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
	5.6 65 .7	Do not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]

5.665.8	Install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
5.665.9	Winter Sampling Conditions. [Minn. R. 7001]
5.665.10	Sample flows at the designated monitoring stations, including when ice removal is required to sample the water. If there is a frozen station throughout a designated sampling month, check the "No Discharge" box on the electronic Discharge Monitoring Report (eDMR) and note the ice conditions in the comments section on the eDMR. [Minn. R. 7001]
5.665.11	Phosphorus Limits and Monitoring Requirements. [Minn. R. 7001]
5.65.12	Phosphorus Calculation Definitions. [Minn. R. 7001]
5.665.123	<u>Phosphorus Calculation Definitions.</u> [Minn. R. 7001] "12-month moving total" is a rolling total. Calculate the calendar month total kg/mo loading by multiplying the calendar month total million gallons effluent flow times the calendar month average mg/L concentration times 3.785 for the current month, and for the previous 11 months. Add all results to get the 12-month moving total. [Minn. R. 7001]
5.665.134	Mercury Limits and Monitoring Requirements. [Minn. R. 7001]
5.665.145	Permittees are required to sample for total suspended solids (TSS) (grab sample) and total/dissolved mercury at the same time. Collect total mercury, dissolved mercury, and TSS (grab sample) samples via grab samples. Record all results on eDMRs. [Minn. R. 7001]
5.665.156	Analyze total and dissolved mercury samples using the most current versions of EPA Method 1631 with clean techniques method 1669. If the EPA approves and an MPCA-recognized accreditation body certifies another mercury analytical method that has a reportable quantitation level of <0.5 ng/L that allows for low-level sample characterization, the method may be used in place of 1631/1669. [Minn. R. 7001]
5.665.167	Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]
5.665.178	Report total nitrogen as the summation of the total kjeldahl nitrogen and total nitrite plus nitrate nitrogen values. [Minn. R. 7001]
5.665.189	The analysis for ammonia-nitrogen shall use an EPA approved method (under 40 CFR part 136), with a reporting limit of 0.1 mg/L or less. [Minn. R. 7001]
5.665.1920	Temperature Limits and Monitoring Requirements. [Minn. R. 7001]
5.665.201	The thermal load of the discharge shall not increase the temperature of the receiving water more than five degrees Fahrenheit above the ambient temperature, based on the calendar month average of the maximum daily temperature. [Minn. R. 7001]
5.665.212	Unionized Ammonia. [Minn. R. 7001]
5.665.223	The daily maximum unionized ammonia concentration shall not exceed 0.458 mg/l in SD 001 and shall be calculated using the total ammonia concentration results (as N) obtained in the 24-hour composite sample, the median pH value, and the daily average discharge temperature. The median pH is defined as the median pH value for the 24-hour period based on continuous pH monitoring as required by this permit. Hourly pH readings, as the maximum increment, shall be used to determine the pH median. The unionized ammonia concentration shall be determined in accordance with the formula described for calculation of unionized ammonia in Minnesota Rule Chapter 7050.0222 Specific standards of Quality and Purity for Class 2 Waters of the State; Aquatic Life and Recreation. Total ammonia concentration data used for determination of unionized ammonia shall be maintained and provided upon request by the MPCA. [Minn. R. 7001]
5.665.234	The pH of discharge SD 001 shall not be adjusted for the purpose of meeting the daily maximum unionized ammonia limitation of 0.458 mg/l. [Minn. R. 7001]
5.665.245	The pH of the discharge may be adjusted for the purpose of meeting the effluent pH limitations of this permit in the event that adjustment is required for this purpose. pH adjustments within the wastewater treatment plant, or in the wastewater influent to the wastewater treatment plant, may be made as needed in order to provide for adequate wastewater treatment, including all unit

		operations (for example metals removal) where pH adjustment is normally required to optimize pollutant removal. [Minn. R. 7001]
	<u>5.66.25</u>	Aluminum Monitoring Requirements <u>The total aluminum reporting limit shall be no greater than 20 ug/L. [Minn. R. 7001]</u>
	<u>5.66.26</u>	Monitoring Frequency. [Minn. R. 7001]
	<u>5.66.27</u>	Parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec may be taken any time during that calendar quarter but must be reported on the designated month's DMR (e.g. the sample for the first calendar quarter of Jan-Mar will be reported on the March DMR). <u>Monitoring with a frequency of once per year and an effective period of Dec, may be taken anytime during the year, but must be reported on December's DMR.</u> [Minn. R. 7001]
	<u>5.66.28</u>	Analysis Requirements. [Minn. R. 7001]
	<u>5.66.29</u>	Temperature, pH, and total residual chlorine analyses shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]
	<u>5.66.30</u>	The Permittee shall submit monitoring results in accordance with the Limits and Monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on electronic Discharge Monitoring Report (eDMR) and shall add a comments attachment to the eDMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
		Surface Water Station General Requirements
	<u>5.67.31</u>	Representative Samples. [Minn. R. 7001]
	<u>5.67.32</u>	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
	<u>5.67.33</u>	Surface Discharge Prohibitions. [Minn. R. 7001]
	<u>5.67.34</u>	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
	<u>5.67.35</u>	Do not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]
	<u>5.67.36</u>	Install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
	<u>5.67.37</u>	Winter Sampling Conditions. [Minn. R. 7001]
	<u>5.67.38</u>	Sample flows at the designated monitoring stations, including when ice removal is required to sample the water. If there is a frozen station throughout a designated sampling quarter, check the "No Discharge" box on the electronic Discharge Monitoring Report (eDMR) and note the ice conditions in Comments on the eDMR. [Minn. R. 7001]
	<u>5.67.39</u>	Sampling Protocol. [Minn. R. 7001]
	<u>5.67.40</u>	Take samples at mid-stream, mid-depth. Record location, date, time, and results for each sample on the supplemental eDMR form. [Minn. R. 7001]
	<u>5.67.41</u>	To ensure accuracy, maintain and calibrate all instruments used for field measurements. [Minn. R. 7001]
	<u>5.66.42</u>	<u>Preserve sample water according to lab instructions, and deliver to a certified lab within the maximum holding times. [Minn. R. 7001]</u>
	<u>5.67.42</u> <u>3</u>	PFAS Surface Water Monitoring Protocol. [Minn. R. 7001]
	<u>5.67.43</u> <u>4</u>	See the "PFAS Surface Water Monitoring Protocol" (Appendix A) for additional requirements and information. [Minn. R. 7001]
		Waste Stream Station General Requirements
	<u>5.68</u> <u>7.44</u> <u>5</u>	General Requirements. [Minn. R. 7001]

5.6 87 .4 56	Some WS stations (WS 001 - WS 007) represent waste stream monitoring within different treatment system components. Other WS stations (WS 008 - WS 027) represent waste stream monitoring of combined stormwater <u>runoff</u> sites prior to being routed to the WWTP or infiltrating into the ground. [Minn. R. 7001]
5.6 87 .4 67	Discharge Monitoring Reports. [Minn. R. 7001]
5.6 87 .4 78	Parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec may be taken any time during that calendar quarter but must be reported on the designated month's eDMR (e.g. the sample for the first calendar quarter of Jan-Mar will be reported on the March DMR). [Minn. R. 7001]
5.6 87 .4 89	Monitoring with a frequency of once per year and an effective period of Jan-Dec, may be taken any time during the year, but must be reported on the month's eDMR of which the sample was taken. For the months in which a sample was not taken, the Permittee shall leave the box blank on the Samples Values and eDMR form and include a comment on the eDMRs stating that no spring or fall discharge occurred or the monitoring has already been fulfilled; do not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]
5.6 87 .4 950	Representative Samples. [Minn. R. 7001]
5.6 87 .5 01	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
5.6 87 .5 12	Analysis Requirements. [Minn. R. 7001]
5.6 87 .5 23	The Permittee shall submit monitoring results in accordance with the Limits and Monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on electronic Discharge Monitoring Report (eDMR) and shall add a Comments attachment to the eDMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
5.6 87 .5 34	See the Special Requirements section below for additional applicable requirements. [Minn. R. 7001]
	Compliance Schedule
5.6 98 .5 45	Proposed Advanced Wastewater Treatment System As soon as possible, but no later than April<u>December</u> 301, 20276, the initiations of operations of the advanced treatment system shall be complete and the Permittee shall comply with all PFAS Effluent Limits listed in the Limits and Monitoring section of this permit. In addition, the Permittee shall meet the following interim commissioning milestone dates: System A (ISW, GW, NCCW) RO Subsystem: Completion of construction of System A RO subsystem by no later than July 31, 2024; - Complete system stabilization, optimization, and conduct reliability testing by no later than October<u>July</u> 31, 20265; System A GAC Subsystem: Completion of construction by no later than September 30, 2024; - Complete system stabilization, optimization, and conduct reliability testing by no later than Dec<u>September</u> 310, 20265; System A IX Subsystem - Completion of construction by no later than March<u>December</u> 31, 20254; - Complete system stabilization, optimization, and conduct reliability testing by no later than March<u>December</u> 31, 20275; System B (WWT) RO Subsystem: Completion of construction by no later than August 31, 2024; - Complete system stabilization, optimization, and conduct reliability testing by no later than November<u>August</u> 301, 20265;

	5. System B GAC Subsystem: a. Completion of construction by no later than October 31, 2024; b. Complete system stabilization, optimization, and conduct reliability testing by no later than January 31, 2025; 6. System B IX Subsystem: a. Completion of construction by no later than AprilJanuary 301, 2025; b. Complete system stabilization, optimization, and conduct reliability testing by no later than AprilJanuary 301, 20276; [Minn. R. 7001]
5.698.556	As soon as possible and no later than April 30 March 31, 2025, the Permittee shall complete construction of the proposed advanced wastewater treatment system. The Permittee shall submit a notice of initiation of operation no later than within 90 days of initiating startup operations. The Permittee shall submit notice of initiation of operation: Due 06/30/2025. [Minn. R. 7001]
5.698.567	The Permittee shall submit an annual progress report: Due annually following permit issuance. The progress report shall discuss actions taken during the calendar year in order to meet the final compliance schedule date. <u>Submission of this annual progress report is no longer required once the compliance schedule date has been met.</u> [Minn. R. 7001]
5.698.578	The Permittee shall notify the MPCA in writing no later than at least 14 days before the planned completion of construction. The MPCA may complete a final inspection. [Minn. R. 7001]
5.68.59	The facility shall attain compliance with final effluent limits: Due 12/31/2026 for the advanced treatment system. [Minn. R. 7001]
5.698.5860	The Permittee shall submit as-built drawings for treatment components 1-6 described in the <u>Proposed Advanced Wastewater Treatment System section above.</u> The Permittee shall submit as-built drawings: Due 1006/2730 2027. [Minn. R. 7001]
5.698.5961	Final Effluent Limits for PFBS, and PFBA, and PFHxA The Permittee shall attain compliance with final effluent limitations for PFBS and, PFBA, and PFHxA (Phases 3 and 4) at SD 001 and PFBS at SD 002 as prescribed by the conditions in this permit <u>as soon as possible and</u> by no later than AprilDecember 301, 20276. The Permittee shall attain compliance with final effluent limits: Due 412/30120276. Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for PFBS, and PFBA, and PFHxA (Phases 1 and 2). [Minn. R. 7001]
5.698.602	Final Effluent Limits for PFOS, PFOA, and PFHxS The Permittee shall attain compliance with final effluent limitations for PFOS, PFOA, and PFHxS (Phases 3 and 4) at SD 001 and SD 002 as prescribed by the conditions in this permit <u>as soon as possible and</u> by no later than AprilDecember 301, 20276, unless the Permittee requests by <u>no later than November</u> October 31, 2026, a modification of this compliance schedule or other appropriate provisions of the permit (with supporting documentation), based on its determination that the limits and associated compliance demonstration for PFOS and/or PFOA and/or PFHxS are not consistently attainable with the advanced wastewater treatment system. <u>This compliance schedule and all other provisions of the permit remain in effect unless and until MPCA formally modifies (following receipt of the Permittee's application for permit modification) the permit in accordance with 40 CFR pt. 124.5.</u> The Permittee shall attain compliance with final effluent limits: Due 412/30120276. Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for PFOS, PFOA, and PFHxS (Phases 1 and 2). [Minn. R. 7001]
5.69.61	<u>By no later than 12 months after permit issuance, the Permittee shall report progress made in attaining compliance with the final effluent limitations for PFBS, PFBA, PFOS, PFOA, and PFHxS (Phases 3 and 4) at SD 001 and SD 002. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>
5.698.623	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>No later than</u>By twelve months after permit issuance, and annually thereafter, the Permittee shall

		report <u>planned and implemented</u> progress made in attaining compliance with the final effluent limitations for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The Permittee shall submit an annual progress report: Due annually following permit issuance. [Minn. R. 7001]
	5.698.634	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>No later than</u> By 24 months after permit issuance, the Permittee shall submit a report that describes wastewater treatment technology upgrades, operation and management practices, or source control measures for attaining compliance with the final effluent limitations for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The report must include a description of the measure(s) determined to meet the final effluent limitations. <u>The report must also describe planned and implemented pollutant mitigation strategies and progress towards implementation of the planned strategies.</u> The Permittee shall submit a report: Due by two years after permit issuance. [Minn. R. 7001]
	5.698.645	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>As soon as possible and no later than</u> By five years after permit issuance, the Permittee shall complete the construction or implementation of the selected treatment system or other method and attain compliance with the final effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The Permittee shall attain compliance with final effluent limits: Due by permit expiration. Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for the above parameters (Phases 1, 2, and 3). [Minn. R. 7001]
	5.68.66	When the Permittee determines that it has attained compliance, they shall notify the MPCA in writing within 14 days of the attainment. This notification is required for each final limit for the specified parameters listed above. [Minn. R. 7001]
	5.698.657	ISTS Systems As soon as possible and no later than October 31, 2027, the Permittee shall have the five systems associated with B30, B64, B66, B108, and B142 connected to the main wastewater treatment system and/or a pump and haul system in place with the requisite oversight of a certified SSTs maintainer. The Permittee shall submit a completion report certifying to MPCA that all of the referenced systems have been connected to the main wastewater treatment system and/or a pump and haul system and that the land treatment components are no longer in use. The report may be in a format of the Permittee's choosing and include photos, work plans, work receipts, etc. During the interim period of developing a long-term solution, all wastewater from these sites shall be pumped and hauled by a certified SSTs maintainer for treatment. The Permittee shall submit a report: Due 10/31/2027. [Minn. R. 7001]
	5.698.668	ISTS Systems As soon as possible and no later than October 31, 2027, the Permittee shall have the trap range shelter system connected to a holding tank. The tank contents shall be pumped and hauled to the main wastewater treatment system. The Permittee shall submit a completion report certifying to MPCA that the trap range shelter system has been connected to a holding tank and the land treatment component is no longer in use. The report may be in a format of the Permittee's choosing and include photos, work plans, work receipts, etc. During the interim period of developing a long-term solution, all wastewater from this site shall be pumped and hauled by a certified SSTs maintainer for treatment. The Permittee shall submit a report: Due 10/31/2027. [Minn. R. 7001]
	5.69.67	ISTS Systems <u>By no later than twelve months after permit issuance, the Permittee shall submit a progress report detailing the actions taken thus far and the actions planned to meet the final compliance schedule</u>

		<u>date for the ISTS systems above. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>
5.698.689	Flow Monitoring at SW 001 Flow monitoring (once per day) is required to be conducted at surface water station SW 001. By <u>no later than</u> one year after permit issuance, the Permittee shall have installed a flow monitoring device at station SW 001 so daily flow monitoring may be conducted. The Permittee shall notify the MPCA once installation is complete and the device is operational. Flow monitoring and eDMR reporting of flow (Phases 2, 3, and 4) will become effective once the MPCA receives notification. The Permittee shall submit notice of equipment installation: Due by one year after permit issuance. [Minn. R. 7001]	
5.69.69	Process Flow Monitoring <u>By no later than 24 months after permit issuance, the Permittee shall install and operate flow monitoring equipment to monitor the flows generated by each of its process wastewater streams prior to any comingling. The flow monitoring equipment must be capable of indicating, totalizing, and recording flow data from each of the Permittee's process wastewater streams. The types and locations of flow monitoring equipment must be sufficient to characterize the flows contributed by the organic chemicals, plastics, and synthetic fibers (OCPSF) waste stream and each type of process, operation, or production area which contributes wastewater to the effluent for each outfall (40 CFR pt. 414). In accordance with 40 CFR pt. 122.21(g)(3) and Section 3 of EPA form 3510-2C, flow information shall be included in the next permit application for reissuance. The Permittee shall submit notice of equipment installation: Due by two years after permit issuance. [Minn. R. 7001]</u>	
5.69.70	<u>By no later than twelve months after permit issuance, the Permittee shall submit a Process Flow Monitoring Progress Report detailing the progress made toward installing the flow monitoring equipment described above. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>	
5.698.710	Phase 3 Treatment Train After July 1, 2025, the Permittee no longer has approval or authorization to discharge treated wastewater and stormwater from <u>the</u> Phase 3 Treatment Train unless it first receives comparable PFAS treatment efficacy as that found in Buildings 150 and 151. [Minn. R. 7001]	
5.698.724	Phase 3 Treatment Train The Permittee shall submit quarterly progress reports detailing its intentions and plan for <u>the</u> Phase 3 Treatment Train water. The Permittee shall submit a progress report: Due by the end of each calendar quarter following permit issuance. [Minn. R. 7001]	
5.69.73	<u>When the Permittee determines that it has attained compliance with each interim and final compliance schedule date in this permit, they shall notify the MPCA in writing by no later than 14 days of the attainment. This notification is required for each compliance notification requirement above and for each final limit for the specified parameters listed above.</u>	
5.698.742	Definitions. [Minn. R. 7001]	
5.698.753	"Initiation of operation" means the date <u>on which that MPCA determines</u> all components of the wastewater treatment system <u>and all individual sewage treatment systems within a project service area</u> are complete and functioning and the project begins operating for the purposes for which it was planned, designed, and built. [Minn. R. 7001]	
5.698.764	"Completion of construction" means all the construction is complete except for minor weather-related components and conforms to the approved plans and specifications and change orders. [Minn. R. 7001]	
	Special Requirements	
5.7069.775	Per- and Polyfluoroalkyl Substances Analyses. [Minn. R. 7001]	
5.7069.786	The Permittee shall analyze per- and polyfluoroalkyl substances (PFAS) at all monitoring locations in accordance with the following: A. The Permittee must sample and analyze PFAS compounds using methodology capable of detecting PFAS to the minimum reporting <u>limitsevels</u> available and specifically below a 4 ng/L reporting limit for PFOS, PFOA, and PFHxS, such as EPA method 1633, a method equivalent to EPA	

1633, or a method better than EPA method 1633.

Note - Reporting limit compliance will be assessed by averaging all reporting limits at each of the following individual monitoring stations within a calendar year period and comparing against the 4 ng/L limit.

Stations: SD 001, SD 002, SD 003, WS 001, WS 002, WS 003, WS 004, WS 006, and WS 007

The annual average of the reporting limit shall be included in the comments cell of the respective DMRs for each of the above stations ~~with the exception of WS 005~~ on the December reporting requirement. A violation of the annual average RL condition is not a water quality-based effluent limit (WQBEL) limit violation but is a permit violation at the specified station.

~~Note - Due to the variable stormwater characteristics, stormwater SD and WS stations may use all results from all stormwater stations when assessing compliance with the 4 ng/L reporting limit.~~

Note - Process control sampling does not have to meet the reporting limits established in item "A" above or any other quality assurance requirements otherwise required of the monitoring required in the Limits and Monitoring Requirement table of this permit.

B. The Permittee shall analyze for all PFAS believed to be present (including but not limited to the compounds identified in this permit) in all water required to be monitored at all locations in this permit. "Believed to be present" means that the parameter is required in this permit, has been observed on a non-target PFAS analysis, or 3M has other reason to believe that the parameter be present.

Note - Non-targeted PFAS analysis shall be conducted at a minimum frequency of once every five years of the water required to be monitored at all locations in this permit with discharge capability and no further downstream treatment and at the surface water stations (all stations except for WS 001 – WS 007). PFAS compounds detected during the non-targeted analysis that are not identified in this permit must be added to the PFAS analysis list for the applicable station no later than the next scheduled sampling event after an analytical method becomes available (if a method is not currently in existence) for the new PFAS compound(s) immediately upon receipt of the non-targeted analysis results.

C. The Permittee shall analyze other PFAS compounds upon request of the MPCA should future research or environmental study determine a need for added parameters.

D. The Permittee may request a change or reduction in monitoring frequency for PFAS analysis after 12 months if monitoring data over a 12-month period of time ~~shows~~proves that the pollutants(s) are not present at a particular monitoring location.

E. If the MPCA approves of the requested reduction in monitoring, the Permittee shall sample for the approved parameter(s) at a minimum of 1x/year to verify that they remain absent from the discharge.

F. All targeted PFAS analysis results shall have results finalized for potential submission to the MPCA as soon as possible and no later than~~a maximum of~~ 51 days after sample collection.

G. Process control sampling (see March 12, 2024 "Cottage Grove Advanced Water Treatment Proposed Draft Sampling Plan") PFAS results shall be submitted to the MPCA quarterly no later than~~by~~ 21 days after the calendar quarter as a Microsoft Excel spreadsheet output from the LIMS system attached to the DMR submittal. [Minn. R. 7001]

5. ~~7069.797~~

Annual PFAS Certification Statement

The Permittee shall submit an Annual PFAS Certification Statement no later than~~by~~ January 21 of each year. Certification statements shall certify that the Permittee is monitoring for all PFAS believed to be present in its water(s) based upon but not limited to the following:

A. A review of stormwater and wastewater discharge characteristics from other Permittee PFAS manufacturing facilities;

B. A review of both targeted and non-targeted analysis of stormwater and wastewater; and

C. A review of PFAS analysis in air, rooftop, and other potential stormwater sources.

The Permittee shall submit a certification statement: Due by January 21 of each year following permit issuance. [Minn. R. 7001]

5.7069.8078	Annual PFAS Source Identification and Reduction Report The Permittee shall submit an Annual PFAS Source Identification and Reduction Report <u>no later than by AprilMarch 301</u> of each year. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued. Each</u>The report shall contain a detailed account for the most likely/probable source of each PFAS compound found in the facility's discharge(s), what source reduction and/or elimination efforts the Permittee has taken in the prior calendar year, and corrective actions planned for the future. The Permittee shall submit a PFAS source identification and reduction report: Due annually, by the 30th^{1st} of April^{March}. [Minn. R. 7001]
5.7069.8179	Annual Laboratory Analytical Method Report The Permittee shall submit an Annual Laboratory Analytical Method Report <u>no later than by AprilMarch 301</u> of each year. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued. Each</u>The report shall identify the laboratory analytical methods, method detection and reporting limits, and reference standards for the PFAS it currently or historically has had the capability of quantifying for in wastewater, surface water, fish tissue, and groundwater. The report shall identify the year that each existing method was first developed. This report shall also include research into new PFAS compounds methodology capable of detecting PFAS to the minimum reporting limit^{levels} available. The Permittee shall submit an annual report: Due annually, by the 30th^{1st} of April^{March}. The annual report shall include but not be limited to method development status of the following PFAS compounds: (FHSAA) - CAS # 1003193-99-4 (6:2 FTA) - CAS# 1383438-86-5 (2,2,3,3,5,5,6,6- Octafluoro-4-[1,2,2- trifluoro-2-(2,2,2-trifluoroethoxy)ethyl]morpholine (PFAS compound)) - CAS # 1600-71-1 (TBBP or TBMOPP) - CAS # 332350-90-0 (2-FPDA) - CAS# 473-87-0 (3,5-Bis(heptafluoropropyl)-1H-1,2,4-triazole (C8HF14N3)) - CAS# 709-62-6 (N-TamP-FhxSA) - CAS# 38850-51-0 (C10H3F18NO2) (C13H3F18N3O4) (C15H21F13N2O2S) (Methyl 2-[[bis(trifluoromethyl)amino]-difluoromethyl]-2,3,3,3-tetrafluoropropanoate (C7H3F12NO2)) (MeFBSEA) - CAS# 67584-55-8. [Minn. R. 7001]
5.70.82	<u>Lab Certification/Accreditation</u> <u>In accordance with requirement 5.80.386 (Certified/Accredited Laboratory), all data analyses required by this permit must be conducted by a laboratory accredited by the Minnesota Department of Health and/or certified by the MPCA, unless approved in writing by the MPCA.</u> - <u>The Permittee is authorized to submit data for analytes of which there are no certified/accredited labs conducting analyses so long as the lab doing the analysis is pursuing accreditation. However, once accredited labs are available, analyses for those analytes must be conducted at certified/accredited labs by sending to an outside certified/accredited lab and/or by having the Permittee's lab(s) become certified/accredited.</u> - <u>The Permittee shall submit an annual report detailing the progress over the previous calendar year towards having analyses for each analyte required by this permit being conducted at a certified/accredited lab. Note – this information can be submitted within the Annual Laboratory Analytical Method Report or as a separate submittal. If submitted as a part of the Annual Laboratory Analytical Method Report, the cover letter shall clearly state that it contains information responsive to both permit requirements.</u>

		<u>The Permittee shall submit an annual report: Due annually, by the 30th of April.</u>
5.7069.830	DMR Requirements An individual sample result that is below <u>a) its reporting limit, or b) the Compliance Limit in 5.70.130</u> is considered to be in compliance with the associated daily maximum <u>compliance</u> limit. <u>A monthly average sampling result that is below a) its reporting limit (calculated per 5.70.83 (B), below) or b) the Compliance Limit in 5.70.130 is in compliance with the associated monthly average compliance limit.</u> [Minn. R. 7001] Use the following instructions to determine a reportable value where sample values are less than the RL and the permit requires reporting of an average. A. If some values are less than (<) the RL, substitute zero for all non-detectable values to report the average or summed concentration. Example: The values for the month are: 5.0 ng/L, 4.0 ng/L, 3.0 ng/L and <2.0 ng/L. Report the monthly average or sum as (5.0 + 4.0 + 3.0 + 0.0) = 12.0 divided by 4 = 3.0 ng/L B. If all values are less than (<) the RL, use the RL for all non-detectable values to calculate the average or sum and report as < the RL calculated average or summed concentration. Example: The values for the month are <0.2 ng/L, <0.4 ng/L, <0.2 ng/L, <2.0 ng/L. Report the monthly average or sum as (0.2 + 0.4 + 0.2 + 2.0) = 2.8 divided by 4 = < 0.7 ng/L. C. For calculating the average reporting limit: Average the numeric reporting limit for each PFOS or PFOA sample over the calendar year. If the average reporting limit is less than 4 ng/L, then the reporting limit is in compliance for that year. Example: The reporting limits for four PFOS samples at SD 001 for a given year are: 1.8 ng/L, 3.2 ng/L, 4.0 ng/L, and 5.0 ng/L. This averages out to 3.5 ng/L as a yearly average and would be in compliance with the 4 ng/L value. [Minn. R. 7001]	
5.7069.841	Quality Assurance/Quality Control Verification At least once per year (occurrences must be spaced by at least 10 months) the Permittee shall conduct a quality assurance/quality control (QA/QC) verification of its composite sampling equipment to ensure there is no PFAS interference(s) and/or contamination. The QA/QC verification shall include but not be limited to having certified PFAS-free water flow through the composite sampling equipment and container(s) over a 24-hr period with the results reported as an attachment to the corresponding DMR. <u>The Permittee shall use the compositing equipment described in Section 6.1.3 of Method 1633 for its samplers and lab(s) when working with composited PFAS samples, unless otherwise approved by the MPCA. The Permittee shall demonstrate that significant analyte loss is not occurring in the composited samples by comparing data from 24-hour flow proportional composite samples to data from mathematically flow weighted sets of 24 grab samples.</u> [Minn. R. 7001]	
5.7069.852	Annual PFAS Removal and Disposal Report The Permittee must report the annual (Jan-Dec) combined removal of each PFAS compound across all PFAS treatment systems in units of kilograms per year and percent removal. The goal is to quantify the total PFAS captured on all GAC and IX media in one year and explain the methodology by which the quantification was performed. The Permittee must also report where the captured PFAS is sent for disposal and whether that PFAS is fully destroyed. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued.</u> The Permittee shall submit an annual report: Due annually, by the 30 th ^{1st} of April ^{March} . [Minn. R. 7001]	
5.7069.863	If it is found that another PFAS compound breaks through the proposed PFAS treatment more quickly than the existing WS station parameters, this permit may be modified, or revoked and reissued to incorporate a limit(s) for that/those PFAS. The addition of any new effluent limits would be considered a major modification and may be subject to public comment. [Minn. R. 7001]	
5.7069.874	If EPA develops new criteria or the State adopts new or revised water quality standards or develops site-specific criteria for PFAS compounds found at the Permittee's facility, MPCA may conduct a reasonable potential analysis and reopen the permit to include new limits. The addition of any new effluent limits would be considered a major modification and may be subject to public comment. [Minn. R. 7001]	

5.7069.885	This permit may be reopened to include modified reporting <u>limitevel</u> and/or <u>method</u> detection <u>limitevel</u> requirements for parameters as appropriate. The modification of reporting <u>limitevels</u> and/or <u>method</u> detection <u>limitevels</u> would be considered a minor modification. [Minn. R. 7001]
5.7069.896	Non-Targeted Analysis. [Minn. R. 7001]
5.7069.9087	Non-Targeted Analysis: These analyses include methods that use high resolution mass spectrometry (HRMS) capable of identifying all known and unknown analytes in a sample. In order to identify unknown compounds, liquid chromatography/tandem mass spectrometry (LC/MS/MS) analyses are applied and followed by quantification if an adequate standard exists. Otherwise, semi-quantitation may be possible based on known, structurally similar analytes. These methods can screen for lists of known suspects and can discover new or unknown analytes. HRMS data can be stored and analyzed later for newly identified analytes. [Minn. R. 7001]
5.7069.9188	Non-targeted Analysis (NTA) sampling shall have results submitted to the MPCA within six months of sample collection. At least one (1) Non-targeted Analysis (NTA) Sampling Result Report (including all results) shall be submitted every five years. Non-targeted PFAS analysis shall be conducted on the water required to be monitored at all locations in this permit with discharge capability and no further downstream treatment and at the surface water stations (all stations except for WS 001 – WS 007). All new PFAS compounds identified as being present within the water(s) discharged from the facility shall have a MPCA verified Chemical Abstract Service (CAS) number provided (if available) along with their chemical structure. At least one (1) NTA Sampling Result Report shall be submitted every five years. The Permittee plans to phase out all PFAS manufacturing and processing by the end of 2025. The Permittee shall submit a report: Due by <u>180 days prior to</u> permit expiration. <u>Any</u> Subsequent results/reports shall continue to be submitted every five years <u>while the permit is in effect (even beyond permit expiration, until reissuance where this requirement will have been reassessed).</u> [Minn. R. 7001]
5.7069.9289	Instream PFAS Characterization Study. [Minn. R. 7001]
5.7069.9390	No later than By January 1, 2026, the Permittee shall submit a work plan for review and approval by MPCA for an instream PFAS characterization study (Characterization Study) of surface water, sediments, and fish tissue PFAS as outlined in the PFAS Surface Water Monitoring Protocol (Appendix A). If the Permittee would like to request a reduction in sampling from what was in required in the 2023 instream characterization study, they must explain why the reduction is reasonable and needed. The MPCA reserves the right to make any changes to the sampling plan prior to approval. The Permittee shall submit a work plan: Due 01/01/2026. The MPCA will review and approve the work plan by March 1, 2026. [Minn. R. 7001]
5.7069.9491	As soon as possible, but no later than 180 days prior to permit expiration. By January 1, 2028, the Permittee shall submit the results of the instream PFAS characterization study (Characterization Study) of surface water, sediments, and fish tissue for the PFAS as outlined in the Surface Water Monitoring Protocol (Appendix A). The Permittee shall submit sampling results: Due <u>by 180 days prior to permit expiration</u> 01/01/2028. [Minn. R. 7001]
5.7069.952	The Permittee must <u>shall continue to repeat and</u> submit <u>results of the subsequent</u> Characterization Study <u>approved by the MPCA in 5.70.93 results</u> every five years <u>for the life of the permit</u> following submittal of the submittal of the 2028 study. [Minn. R. 7001]
5.7069.963	Annual Meeting. [Minn. R. 7001]
5.7069.974	The Permittee shall conduct a meeting annually to disclose factual information to the community regarding facility operations, changes made or planned to reduce pollutants in discharges, management of hazardous materials and compliance with environmental permits and regulations. The Permittee shall provide the time, date, location, format, and agenda of the meeting to the public 60 days before the meeting. <u>The Permittee shall submit to the MPCA the agenda and information that is to be presented by no later than one week prior to the meeting. The meeting must be recorded and begin between 6:00 pm and 7:00 pm to allow for maximum public participation. Public notification of the meeting details must include notifying the East Metro area via community newsletters, etc (i.e. Woodbury City Update).</u> The Permittee shall hold a meeting: Due annually, by the 31st of December. Submit a written notification <u>along with the recording</u>

	following each meeting. [Minn. R. 7001.0150, subp. 2, Minn. Stat. ch. 115.03, subd. 1(2), Minn. Stat. ch. 115.03, subd. 1(8)]
5.7069.985	Foam Release, Detection, and Recovery (FRDR) Plan. [Minn. R. 7001]
5.7069.996	No later than <u>Within</u> 60 days after <u>of</u> permit issuance, the Permittee shall submit its current version of a Foam Release, Detection, and Recovery (FRDR) Plan for review and approval. The Permittee shall immediately implement and comply with the FRDR plan version submitted for approval by MPCA once approved by MPCA. The Permittee shall submit a plan: Due by 60 days after permit issuance. [Minn. R. 7001]
5.7069.10097	Underground Piping. [Minn. R. 7001]
5.7069.10198	Underground Piping Integrity Plan The Permittee shall submit an implementation plan no later than <u>within</u> 90 days after permit issuance detailing the following: A. Timeline (maximum of three years for high priority/high risk pipes and maximum of ten years for all other pipes) for assessing condition of all underground piping conveying water at the facility; B. Timeline (maximum of one year) for restoring integrity of any underground piping found to have defects allowing either infiltration or exfiltration of water; and C. Maps, drawings, and diagrams along with methods for both pipe assessment and restoration of integrity. High priority/high risk pipes include but are not limited to (Reference: Cottage Grove Sewer Operations and Maintenance Manual dated July 28, 2023 Revision 0): Chem Sewer Phase 1 Group 3 Sanitary Sewer Group 1 Sanitary Sewer Group 2 Sanitary Sewer Group 3 Chem Sewer Phase 1 Group 2 Storm Sewer Group 2 Storm Sewer Group 3 Chem Sewer Phase 2 Group 3 The Permittee shall submit a plan: Due by 90 days after permit issuance. [Minn. R. 7001]
5.7069.10299	Annual Underground Piping Report The Permittee shall submit an Annual Underground Piping Report no later than <u>by</u> March 31 of each year. The report shall include findings (e.g. including but not limited to televising footage) and summaries of actions taken responsive to the Underground Piping Integrity Plan. The Permittee shall submit an annual report: Due annually, by the 31st of March. [Minn. R. 7001]
5.7069.1039	RO and AIX Treatment Systems. [Minn. R. 7001]
5.7069.1044	Once online, the RO and AIX treatment systems shall be operated at all times except under emergency conditions <u>or other conditions</u> authorized by this permit, including and under conditions of maintenance or downtime as described in the MPCA approved (once approved) operations and maintenance plan for the systems. [Minn. R. 7001]
5.7069.1052	RO & IX O&M Manuals No later than <u>Within</u> 60 days after the <u>associated system stabilization, optimization, and conduct(s) reliability testing dates in 5.69.54 advanced wastewater treatment system start-up date</u> , the Permittee shall submit its IX <u>on e</u> Exchange (IX) operations and maintenance (O&M) manuals. The O&M manuals shall contain a dedicated section highlighting the PFAS breakthrough monitoring, procedures, breakthrough thresholds/determination procedure and response procedure. The Permittee shall immediately implement and comply with the IX O&M manuals and submit a revised version within 365 days of any future revisions being made. The most up-to-date versions of the manuals shall be available to the MPCA upon request. The Permittee shall submit an operations and maintenance (O & M) manual: Due 065/304/20275 . [Minn. R. 7001]
5.7069.1063	Granular Activated Carbon Treatment Systems. [Minn. R. 7001]
5.7069.1074	The granular activated carbon treatment systems shall be operated at all times except under emergency conditions or other conditions authorized by this permit, including and under conditions

		of maintenance or downtime as described in the MPCA-approved operations and maintenance plan for the systems. [Minn. R. 7001]
5.7069.1085		BLD 92 & BLD 185 GAC O&M Manual No later than<u>Within</u> 60 days after<u>of</u> permit issuance, the Permittee shall submit its current GAC O&M manual(s) for each building that contains the GAC treatment technology. The O&M manual(s) shall contain a dedicated section highlighting the PFAS breakthrough monitoring <u>and response</u> procedures, breakthrough thresholds/determination procedure and response procedure and the activated carbon changeout procedures. The Permittee shall immediately implement and comply with the GAC O&M manual(s), and submit revised versions within 30 days of any future revisions being made. The most up-to-date versions of the manual(s) shall be available to the MPCA upon request. The Permittee shall submit an operations and maintenance (O & M) manual: Due by 60 days after permit issuance. [Minn. R. 7001]
5.70.109		Building 150/151 GAC O&M Manual No later than 60 days after the associated system stabilization, optimization, and conduct(s) <u>reliability testing dates in 5.69.54 the Permittee shall submit its GAC O&M manual(s). The O&M manual(s) shall contain a dedicated section highlighting the PFAS breakthrough monitoring procedures, breakthrough thresholds/determination procedure and response procedure. The Permittee shall immediately implement and comply with the GAC O&M manual(s). The most up-to-date versions of the manuals shall be available to the MPCA upon request. The Permittee shall submit an operations and maintenance (O & M) manual: Due 03/31/2027. [Minn. R. 7001]</u>
5.7069.11096		Additional Operation and Maintenance Requirements. [Minn. R. 7001]
5.7069.11107		WWTP O&M Manual No later than 180<u>Within 60</u> days after<u>of</u> permit issuance the Permittee shall submit its Wastewater Treatment Plant (WWTP) O&M manual <u>covering the treatment units that comprise the Phase 1, Phase 2, and Phase 3 treatment trains</u>. The WWTP O&M manual shall contain a dedicated section highlighting the PFAS breakthrough monitoring, procedures, breakthrough thresholds/determination procedure and response procedure. The Permittee shall immediately implement and comply with the WWTP O&M manual, and submit a revised version within 30 days of any future revisions being made. The most up-to-date version of the manual shall be available to the MPCA upon request. The Permittee shall submit an operations and maintenance (O & M) manual: Due by 1860 days after permit issuance. [Minn. R. 7001]
5.7069.11208		As soon as possible and no later than September 30, 2024, the Permittee shall submit the currently in effect editions/revisions of O&M manuals for all PFAS treatment technology buildings and equipment at its facility. The manuals shall specify the control system alarms and setpoints. The Permittee shall submit an operations and maintenance (O & M) manual: Due 09/30/2024. [Minn. R. 7001] PFAS Treatment Technology Buildings <u>No later than 90 days after permit issuance, the Permittee shall submit the following:</u> <u>A.The currently in effect editions/revisions of O&M manuals for all PFAS treatment technology buildings and equipment at its facility. The manuals shall specify the control system alarms and setpoints.</u> <u>B.The currently in effect editions/revisions of Standard Operating Procedures (SOPs) for all PFAS treatment technology buildings and equipment at its facility.</u> <u>C.The currently in effect editions/revisions of Operator Forms for all PFAS treatment technology buildings and equipment at its facility.</u> <u>The Permittee shall submit a submittal: Due by 90 days after permit issuance. [Minn. R. 7001]</u>
5.69.109		As soon as possible and no later than September 30, 2024, the Permittee shall submit the currently in effect editions/revisions of Standard Operating Procedures (SOPs) for all PFAS treatment technology buildings and equipment at its facility. The Permittee shall submit a submittal: Due 09/30/2024. [Minn. R. 7001]

5.69.110	As soon as possible and no later than September 30, 2024, the Permittee shall submit the currently in-effect editions/revisions of Operator Forms for all PFAS treatment technology buildings and equipment at its facility. The Permittee shall submit a submittal: Due 09/30/2024. [Minn. R. 7001]
5.7069.1131	Annual O&M Deviation & WWTP Optimization Report The Permittee shall submit an Annual O&M Deviation & WWTP Optimization Report <u>no later than</u> March 31 of each year. The report shall include all instances of effluent and intervention limit exceedances <u>in the prior calendar year and what actions, if any, were taken to address them at any stations where and when related O&M deviations (e.g. including but not limited to carbon and IX changeouts not occurring prior to breakthrough and other set points established in both the IX and GAC O&M manuals) occurred.</u> The report shall also contain an evaluation of the WS 001 - WS 002 PFAS treatment performance relative to the following compounds and thresholds <u>(Daily Max):</u> PFHpS: 10 ng/L PFHxA: 10 ng/L PFPeS: 9.4 ng/L PFPeA: 10 ng/L PFPrA: 370 ng/L 2233-TFPA: 500 ng/L TFA: 10,700 ng/L TFMS: 25 ng/L <u>PFBS: 71,241 ng/L</u> <u>PFBA (WS 001 only): 686,477 ng/L</u> <u>PFHxS: 0.112 ng/L</u> <u>PFOS: 0.352 ng/L</u> <u>PFOA: 0.426 ng/L</u> If any of the treatment performance thresholds above are not achieved, the report shall address what, if any <u>(e.g. was the exceedance believed to be a false-positive or is there enough results over the daily maximum to warrant investigation and optimization action),</u> optimization steps the Permittee intends on implementing and in accordance with what timeline to achieve the performance thresholds above. <u>The report shall also address the operational decision points the Permittee is using to optimize treatment (e.g. including but not limited to carbon and ion exchange changeouts, breakthrough considerations, and other setpoints established in both the ion exchange and granulated activated carbon operations and maintenance manuals). This report should also address any potential operational opportunities to improve treatment performance, as well as address any technical or operational obstacles that may be interfering with optimal performance. If the highest result for treatment performance thresholds is below reporting limits then the performance thresholds are considered achieved.</u> The Permittee shall submit an annual report: Due annually, by the 31st of March. [Minn. R. 7001]
5.7069.1142	Organic Compound Analytical Requirements. [Minn. R. 7001]
5.7069.1153	VOCs listed in the Limits and Monitoring Requirements section shall be analyzed in accordance with 40 CFR pt. 136, Method 624-Purgeables. Acrylonitrile may be analyzed using Method 624, however if acrylonitrile is determined to be consistently present it shall be analyzed using Method 603 as described in 40 CFR pt. 136. Sampling for VOCs shall be completed in accordance with sampling requirements as stated in Method 624, section 5, Apparatus and Materials. Semi-volatile organic compounds (base/neutral extractables and acids) listed in the Limits and Monitoring Requirements shall be analyzed in accordance with 40 CFR pt. 136, Method 625-Base/Neutrals and Acids. Metals listed in the Limits and Monitoring Requirements shall be analyzed in accordance with the analytical methods for low level metals analysis as stated in 40 CFR pt. 136. Detection limits for the analysis of VOCs, semi-VOCs, and metals shall be below the applicable discharge limitations at all times. [Minn. R. 7001]

5.7069.1164	River Monitoring Associated with Remediation Activities. [Minn. R. 7001]
5.7069.1175	Any river monitoring of fish, water, or sediment associated with any remedial activities must also be submitted with the NPDES reporting requirements. [Minn. R. 7001.0150, subp. 2, Minn. Stat. ch. 115.03, subd. 5(a)]
5.7069.1186	Sampling of a Bypass, Release, or Overflow, or Unauthorized Discharge. [Minn. R. 7001]
5.7069.1197	Upon discovery of a bypass, release, or overflow, <u>or discharge from an outfall not authorized by this permit</u> , the Permittee shall monitor flow from the event and obtain samples (grab) for the same monitoring parameters as required for Station SD 001 (see limits and monitoring table for SD 001). If the event continues for more than 24 hours, continue monitoring flow during the entire period of release and obtain samples once each 24 hours. Results are to be reported on the Release Report located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports . The Release Report shall be submitted to the MPCA with the next eDMR. [Minn. R. 7001]
5.7069.12018	Fire Training Basin Liner Requirements. [Minn. R. 7001]
5.7069.12149	Any basins used for the purpose of fire training, or collection of fire training runoff wastewaters, shall be lined using 100 mil high density polyethylene (HDPE) or similar synthetic liners. [Minn. R. 7001]
5.7069.1229	pH Setpoints - Optimization of Metals Removed. [Minn. R. 7001]
5.7069.1234	The Permittee shall operate the pH adjustment/chemical precipitation systems for <u>the</u> phase 1 <u>Treatment Train</u> (inorganic wastewater) so that metal removals are optimized. Chemical pH adjustment and precipitation systems shall be optimized for removal of nickel and zinc specifically. [Minn. R. 7001]
5.7069.1242	Alkyl Phenol Ethoxylates. [Minn. R. 7001]
5.7069.1253	Alkyl Phenol Ethoxylate (APE) compounds used and discharged to any process wastewaters at the plant shall be discharged to the wastewater treatment system and subsequently to the granular activated carbon facility, or directly to the activated carbon treatment facility. APEs shall not be discharged to any cooling waters unless such waters receive treatment at the wastewater treatment system and the activated carbon treatment facility. [Minn. R. 7001]
5.7069.1264	Adsorbable Organic Fluorine.
5.7069.1275	Analysis of Adsorbable Organic Fluorine (AOF) is required for all stations that require Total Organic Fluorine (TOF) at the same monitoring frequency.
5.7069.1286	Definitions. [Minn. R. 7001]
5.7069.1297	"Reporting Limit (RL)" shall mean: The lowest concentration of a contaminant that can be reported with a high level of confidence as being accurately quantified for a specific sample. The RL is provided by the laboratory conducting the analysis along with corresponding analytical results. [Minn. R. 7001]
5.7069.13028	"Compliance limit (CL)" shall mean: The value deemed as compliance with the Daily Maximum and Monthly Average PFAS limits. The monthly average and daily maximum PFOS WQBELs are below the reporting limits (limits of quantitation) achievable when analyzing treated effluent at Cottage Grove. For PFOS, a statistical analysis of the actual reporting limit wastewater at Cottage Grove sampling stations SD 001 and SD 002 is 2.2 ng/L. For PFOA and PFHxS, the actual reporting limit is 2.1 ng/L. For these three parameters, any effluent value less than or equal to the numbers above will be considered to be in compliance with the daily maximum limit; and any monthly average effluent value <u>reported above a reporting limit per 5.70.83 (A) that is</u> equal to or below the numbers above will be considered to be in compliance with the monthly average limits. [Minn. R. 7001]
	Industrial Process Wastewater
5.710.13129	Prohibited Discharges. [Minn. R. 7001]
5.710.1329	This permit does not authorize the discharge of sewage, wash water, scrubber water, spills, oil, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands or other surface waters of the state. [Minn. R. 7001.1090, subp. 1(A)]

5.7 10.133 4	The Permittee shall prevent the routing of pollutants from the facility to a municipal wastewater treatment system in any manner unless authorized by the pretreatment standards of the MPCA and the municipal authority. [Minn. R. 7001.1090, subp. 1(A)]
5.7 10.134 2	The Permittee shall not transport pollutants to a municipal wastewater treatment system that will interfere with the operation of the treatment system or cause pass-through violations of effluent limits or water quality standards. [Minn. R. 7049.140, subp. 2]
5.7 10.135 3	Toxic Substance Reporting. [Minn. R. 7001]
5.7 10.136 4	The Permittee shall notify the MPCA immediately of any knowledge or reason to believe that an activity has occurred that would result in the discharge of a toxic pollutant listed in Minnesota Rules, pt. 7001.1060, subp. 4 to 10 or listed below that is not limited in the permit, if the discharge of this toxic pollutant has exceeded or is expected to exceed the following levels: A. For acrolein and acrylonitrile, 200 ug/L; B. for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol, 500 ug/L; C. for antimony, 1 mg/L; D. for any other toxic pollutant listed in Minnesota rules, pt. 7001.1060, subp. 4 to 10,000 ug/L; or, E. five times the maximum concentration value identified and reported for that pollutant in the permit application. [Minn. R. 7001.1090, subp. 2]
5.7 10.137 5	The Permittee shall notify the MPCA immediately if the Permittee has begun or expects to begin to use or manufacture as an intermediate or final by-product a toxic pollutant that was not reported in the permit application under Minnesota Rules, pt. 7001.1050, subp. 2.J. [Minn. R. 7001.1050, subp. 2(J)]
5.7 10.138 6	Hydrotest Discharges. [Minn. R. 7001]
5.7 10.139 7	The Permittee shall notify the MPCA prior to discharging hydrostatic test waters. The Permittee shall provide information necessary to evaluate the potential impact of this discharge and to ensure compliance with this permit. This information shall include: A. The proposed discharge dates; B. The name and location of receiving waters, including city or township, country, and township/range location; C. An evaluation of the impact of the discharge on the receiving waters in relation to the water quality standards; D. A map identifying discharge location(s) and monitoring point(s); E. The estimated average and maximum discharge rates; F. The estimated total flow volume of discharge; G. The water supply for the test water, with a copy of the appropriate Minnesota Department of Natural Resources (DNR) water appropriation permit; H. Water quality data for the water supply; I. Proposed treatment method(s) before discharge; and, J. Methods to be used to prevent scouring and erosion due to the discharge. [Minn. R. 7001.1090, subp. 1(A)]
5.7 10.140 38	This permit does not authorize the construction or installation of pipeline facilities. [Minn. R. 7001.0150, subp. 2]
5.7 10.141 39	Mobile and Rail Equipment Service Areas. [Minn. R. 7001]
5.7 10.142 9	Locomotive traction sand, degreasing wastes, motor oil, oil filters, oil sorbent pads and booms, transmission fluids, power steering fluids, brake fluids, coolant/antifreeze, radiator flush wastewater and spent solvents shall be collected and disposed of in accordance with applicable solids and hazardous waste management rules. These materials shall not be discharge to surface or groundwaters of the state. [Minn. R. 7001.0150, subp. 2]
5.7 10.143 1	The steam-cleaning of mobile equipment and rail equipment, except for limited outdoor cleaning of large drills and shovels, shall be conducted in wash bays that drain to wastewater treatment systems that include the removal of suspended solids and flammable liquids. The only washing of mobile equipment done in outside areas shall be to remove mud and dirt that has accumulated during outside work. [Minn. R. 7001.0150, subp. 2]

5.7 10.14 42	Mobile and rail equipment washing shall not use solvent-based cleaners such as those available for brake cleaning and degreasing, unless the cleaning fluids are completely contained and not allowed to flow to surface or groundwaters of the state. Soaps and detergents used in washing shall be biodegradable. [Minn. R. 7001.0150, subp. 2]
5.7 10.14 53	Mobile and rail equipment maintenance and repairs shall not be conducted in wash bays. [Minn. R. 7001.0150, subp. 2]
5.7 10.14 64	Hazardous materials shall not be stored or handled in wash bays. [Minn. R. 7001.0150, subp. 2]
5.7 10.14 75	Wastewater containment systems, including pipes shall be inspected regularly. Leaks that are detected shall be repaired immediately. [Minn. R. 7001.0150, subp. 2]
5.7 10.14 86	If the Permittee discovers that recoverable amounts of petroleum products have entered wastewater containment systems, they shall be recovered immediately, and reported to the MPCA. [Minn. R. 7001.0150, subp. 2]
5.7 10.14 97	Spill cleanup procedures shall be posted in mobile and rail equipment maintenance and repair areas. [Minn. R. 7001.0150, subp. 2]
5.7 10.15 048	Polychlorinated Biphenyls (PCBs). [Minn. R. 7001]
5.7 10.15 149	PCBs, including but not limited to those used in electrical transformers and capacitors, shall not be discharged or released to the environment. [Minn. R. 7001.0150, subp. 2]
5.7 10.15 20	New Proposed Dewatering. [Minn. R. 7001]
5.7 10.15 31	The Permittee shall obtain a permit modification before discharging from a new dewatering outfall. [Minn. R. 7001.170]
5.7 10.15 42	In addition to the requirements in the Permit Modifications section of this permit, the Permittee shall submit to the MPCA detailed plans and specifications for the proposed methods of achieving discharge limits for turbidity and total suspended solids, based in part upon representative water quality data for untreated wastewater and a detailed map and diagram description of the proposed design for the flow control structures, and route of the discharge to receiving waters. [Minn. R. 7001.170]
5.7 10.15 53	Application for Permit Reissuance. [Minn. R. 7001]
5.7 10.15 64	The permit application shall include analytical data as part of the application for reissuance of this permit. These analyses shall be done on individual samples taken during the twelve-month period before the reissuance application is submitted. [Minn. R. 7001.50]
5.7 10.15 75	The permit application shall include analytical data for monitoring stations SD 001 and SD 002. Analysis of all parameters shall comply with their specific 40 CFR Part 136 analytical methodologies or updates to those methodologies. The reporting limits shall meet the minimum levels as defined by this permit and all state and federal regulations. [Minn. R. 7001.50]
5.7 10.15 86	The Permittee shall include, as part of the application for reissuance of this permit: A. A current map of any basins or ponds, showing the cells, and current topographic and water level elevations in the basin; B. An updated water balance for the facility; [Minn. R. 7001.50]
5.7 10.15 97	Operator Certification. [Minn. R. 7001]
5.7 10.16 058	The Permittee shall provide a Class A state certified operator who maintains direct responsibility of the operation, maintenance, and testing functions required to ensure compliance with the terms and conditions of this permit. [Minn. R. 7001]
	Industrial Pond System
5.7 21.16 159	Authorization. [Minn. R. 7001]
5.7 21.16 20	Pond Performance Evaluation. [Minn. R. 7001]
5.7 21.16 31	The Permittee shall submit pond performance evaluation plan: Due by 180 days prior to permit expiration. [Minn. R. 7001]
5.7 21.16 42	The Permittee shall submit an industrial pond system report: Due by 180 days prior to permit expiration. [Minn. R. 7001]

5.724.1653	The Pond Performance Evaluation report shall be signed by a registered professional engineer and include (at a minimum) the following items for each pond: A. Influent and effluent data, water balance information (desktop or barrel); B. Capacity/volume use comparisons; C. A determination of seepage rate. Ponds constructed post-1975 are required to meet a 500 gal/acre/day seepage rate; ponds constructed pre-1975 are required to meet a 3500 gal/acre/day seepage rate. D. Completed "Municipal and Industrial Pond Attachment" form, which is available at http://www.pca.state.mn.us/index.php/view-document.html?gid=7002. If the Pond Performance Evaluation report indicates that the ponds do not meet the above technical criteria, The Permittee shall submit a plan to the MPCA for review and approval. A registered professional engineer must sign this plan. This plan shall include, at a minimum, a proposal and implementation timeline of corrective actions for any ponds not meeting the technical criteria. [Minn. R. 7001]
5.724.1664	Maintenance of Wastewater Ponds. [Minn. R. 7001]
5.724.1675	Freeboard. Minimum pond freeboard shall be in accordance with: A. The MPCA plan and specification approval letter; or, B. The MPCA facility plan approval letter; or, C. The MPCA engineering report approval letter, issued for this facility unless an acceptable alternative has been approved in writing by the MPCA. [Minn. R. 7001]
5.724.1686	The Permittee shall not allow growth of willows, poplars, cottonwoods, shrubs, and cattails in the ponds or on the dikes, regardless of water depth in the ponds. The Permittee shall control and remove such plants and harmful vegetative growth from the ponds and pond structures. The Permittee may only grow alfalfa and reed canary grass on outer pond dikes. The Permittee shall control alfalfa and reed canary grass along with other vegetation at a height to allow for dike integrity and burrowing animal detection. [Minn. R. 7001]
5.724.1697	The Permittee shall use approved methods to prevent muskrats and other burrowing animals from tunneling and causing damage to the pond liner or dikes. [Minn. R. 7001]
5.724.17068	In addition to the requirements of this Permit, the Permittee shall operate and maintain the pond system in accordance with MPCA's "Stabilization Pond Systems Operations, Maintenance, Management" (2013) or most recent version: https://www.pca.state.mn.us/sites/default/files/wq-wwtp8-22.pdf. If the ponds include Riprap, it shall be maintained in accordance with "Riprap Criteria for Stabilization Ponds" (1991) or most recent version: https://www.pca.state.mn.us/sites/default/files/psriprap.pdf. [Minn. R. 7001]
5.724.17169	Solids Removal. [Minn. R. 7001]
5.724.1720	Prior to the excavation or removal of solids from any wastewater pond at the facility, the Permittee shall implement measures to maintain the integrity of the pond liner during the removal process. [Minn. R. 7001]
5.724.1731	The Permittee shall complete a water balance (barrel test) on the pond no later than <u>within</u> seven months of each removal action. The MPCA may review the results at the facility or upon request. The water balance evaluation procedure is described in the MPCA document "Prefill and Water Balance Criteria" (12/10) or the most recent version: https://www.pca.state.mn.us/sites/default/files/wq-wwtp5-61b.pdf. [Minn. R. 7001]
5.724.1742	The Permittee shall evaluate groundwater quality monitoring results before and after the removal of solids to assess the potential impacts of the pond on groundwater. The Permittee shall report any changes to the MPCA with the next scheduled electronic Discharge Monitoring Report (eDMR). [Minn. R. 7001]
5.724.1753	No impact demonstration. The requirements of a water balance barrel test or groundwater monitoring requirements listed above can be waived if the Permittee can successfully demonstrate that the removal action will not impact the liner of the wastewater pond, or the integrity thereof.

		To make this demonstration, submit a Removal Plan for MPCA review and approval no later than at least 90 days prior to the anticipated removal date. The Removal Plan should include, at a minimum: A. A description of the proposed methodology(ies) to be used for the excavation or removal or solids; B. Any proposed deviations from the water balance procedure cited in subpart A, above; and, C. Justification that the removal action does not impact the liner of the wastewater pond. The Permittee shall only waive these requirements after they receive written approval of the Removal Plan by the MPCA. [Minn. R. 7001]
	5.724.1764	Inspection of Wastewater Ponds. [Minn. R. 7001]
	5.724.1775	The Permittee shall inspect the pond system weekly. An inspection shall include the following for each pond, at a minimum: A. Measuring pond water depth; B. Estimating the coverage of aquatic plants, floating mats and ice cover on the surface of the ponds; and C. Noting odors, the condition of the dikes, and the presence of muskrats. The Permittee shall maintain records of these weekly inspections for the last three (3) years, and submit the results on the eDMR supplemental form. [Minn. R. 7001]
	5.724.1786	Application for Permit Reissuance. [Minn. R. 7001]
	5.724.1797	The Permittee shall submit a report: Due by 180 days prior to permit expiration. The report shall describe the findings of the inspection of the wastewater treatment ponds, related conveyances, and appurtenances to the pond system at the permitted facility. [Minn. R. 7001]
	5.724.18078	Based on the inspection, the Permittee shall certify to the MPCA: Due by the end of each calendar five years following permit issuance that the pond system maintains structural integrity, complete containment, and compliance with performance standards in the Stabilization Pond Systems Operations, Maintenance, Management (2013) or most recent version. [Minn. R. 7001]
	5.724.18179	The inspection and certification shall be completed by a registered professional engineer with expertise in wastewater structures. [Minn. R. 7001]
	5.724.1829	An inspection report shall be prepared by the professional engineer and submitted with the application for permit reissuance and/or every five years, whichever comes first. [Minn. R. 7001]
	5.724.1834	If repairs are necessary as a result of the professional engineer's inspection, a detailed proposal for restoration shall be submitted to the MPCA for review no later than within 180 days of discovery, and at least 60 days prior to initiation of restoration work. [Minn. R. 7001]
		Industrial Water Treatment: Cooling Process Water
	5.732.1842	This chapter authorizes the Permittee to discharge non-contact cooling water generated at the facility, as described in the "Facility Description" portion of this permit. This activity is limited by the "Limits and Monitoring" section of this permit, as well as the other terms and conditions of this permit. [40 CFR pt. 122, Minn. R. 7001]
	5.732.1853	Chlorination. [Minn. R. 7001]
	5.732.1864	Chlorination of the cooling waters at SD 002 shall be conducted so that total residual chlorine shall not be found at detectable concentrations using EPA approved analytical methods. [Minn. R. 7001]
		Pipelines
	5.743.1875	Authorization. [Minn. R. 7001]
	5.743.1886	This permit authorizes the Permittee to request authorization to dispose of hydrostatic test waters used to test the structural integrity of new and existing pipelines, tanks, and trench waters in accordance with the provisions of this permit. [Minn. R. 7001]
	5.743.1897	Hydrotest discharges shall be according to the terms and conditions imposed by the project discharge approval letter. [Minn. R. 7001]

5.7 43 .190 88	There shall be no discharge of pipeline test waters without prior written approval from the MPCA. Prior authorization shall be requested for all discharges regardless of discharge point. The Permittee shall notify the MPCA no later than at least forty-five days in advance of its intention to discharge; and shall request authorization and approval of the proposed discharge site from the MPCA. [Minn. R. 7001]
5.7 43 .191 89	This permit DOES NOT authorize: A. The construction or installation of pipeline facilities or storage tanks; B. The Permittee to work in waters of the state; or C. The Permittee to appropriate waters for hydrotests. [Minn. R. 7001]
5.7 43 .192 9	The Permittee shall provide the MPCA with copies of Notice of Applications made to the Federal Energy Regulatory Commission and Commission approvals when such application/approval may affect discharge activities within the State of Minnesota. [Minn. R. 7001]
5.7 43 .193 1	Hydrotest Discharges. [Minn. R. 7001]
5.7 43 .194 2	These special conditions apply to hydrostatic test waters from new and existing pipelines and associated trench dewatering activities. [Minn. R. 7001]
5.7 43 .195 3	The Permittee shall submit a written request for approval to discharge no later than forty-five days prior to any hydrostatic test activity. The Permittee shall provide information necessary to evaluate the potential impact of this discharge and to ensure compliance with this permit. This information shall include: A. What is being hydrotested (for example, new 250,000-gallon gasoline tank); B. The proposed discharge dates; C. The name and location of any receiving water bodies, the closest city and/or township if applicable, county, and quarter-section, section/township/range location; D. A USGS 7.5 minute series (topographic) map showing proposed discharge location(s) and monitoring point(s); E. The estimated average and maximum discharge rates; F. The estimated total flow volume of discharge; G. The water supply for the test waters, with a copy of the Minnesota Department of Natural Resources (DNR) water appropriation permit, if applicable; H. Water quality data if needed for background credits where the water source is the same as the receiving waterbody (or may be submitted with discharge report); I. Proposed treatment method(s) before discharge; and J. Best management practices to be used to prevent scouring, sediment transport and erosion due to the discharge. [Minn. R. 7001]
5.7 43 .196 4	The MPCA reserves the right to prohibit a surface water discharge of hydrostatic test waters or trench waters if the MPCA determines that such a discharge will impair water quality and/or otherwise create a nuisance condition at or near the proposed discharge point. At no time during any discharge shall Minnesota Water Quality Standards, Minn. R. 7050.0220 be violated. [Minn. R. 7001]
5.7 43 .197 5	Outstanding Resource Value Waters/Trout Waters Discharges to outstanding resource value waters (ORVW), as defined in Minn. R. 7050.0180, or trout waters as defined in Minn. R. 7050.0420, are prohibited. [Minn. R. 7001]
5.7 43 .198 6	This permit does not authorize a discharge on tribal lands. The Permittee shall seek authorization from the U.S. Environmental Protection Agency for any discharge located within tribal land boundaries. [Minn. R. 7001]
5.7 43 .199 7	Erosion and Nuisance Conditions The Permittee shall maintain the discharge operation in such a manner so as to cause no erosion, scouring, sediment transport or other nuisance conditions in the area of the discharge or in the receiving stream. [Minn. R. 7001]
5.7 43 .200 198	Additional Effluent Limitations and Requirements The effluent limitations contained in this permit are based on water quality standards for a discharge to a Class 2B, C, and D water body. As such, the MPCA is not prohibited stopped from establishing more or less stringent limits and/or monitoring if necessary to protect the receiving

		water for its designated use(s). Water quality-based effluent limits shall be dependent on receiving water, discharge volume, in-stream flow volume, and discharge time, duration and location. The MPCA shall notify the Permittee if it is determined that additional requirements, more or less stringent limits and/or monitoring are appropriate for a specific water body. The MPCA's letter notifying the Permittee of these additional requirements, more or less stringent limits and/or monitoring shall then become a part of the enforceable requirements applicable through this permit for the specific discharge point and the Permittee shall comply with these requirements. [Minn. R. 7001]
	5.7 43 .201 499	Twenty-four Hour Advance Notice The Permittee shall provide the MPCA with twenty-four hour advance notice of any discharge when so requested. Such a request shall be made when the MPCA feels the need to be on-site during the proposed discharge. [Minn. R. 7001]
	5.7 43 .202 9	Environmental Assessment Worksheet Requirements In accordance with Minn. Stat. 116D.04 and Minnesota Environmental Quality Board R. 4410.3100, this permit does not authorize the discharge from pipeline hydrostatic testing in the state of Minnesota for which an Environmental Assessment Worksheet (EAW) is required. [Minn. R. 7001]
	5.7 43 .203 4	Prohibited Discharges. [Minn. R. 7001]
	5.7 43 .204 2	This permit does not authorize the discharge of sewage, wash water, scrubber water, spills, oil, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands or other surface waters of the state. [Minn. R. 7001]
	5.7 43 .205 3	The Permittee shall not transport pollutants to a municipal wastewater treatment system that will interfere with the operation of the treatment system or cause pass-through violations of effluent limits or water quality standards. [Minn. R. 7001]
	5.7 43 .206 4	Application for Permit Reissuance. [Minn. R. 7001]
	5.7 43 .207 5	The Permittee shall include, as part of the application for reissuance of this permit: A. A current map of the pipeline route(s); B. BMPs which will be employed to control erosion and to reduce bottom scouring, sediment transport, and discharge velocities; and C. If requested, a Pollution Prevention Plan for the pipeline and its associated activities. [Minn. R. 7001]
	5.7 43 .208 6	Special Requirements. [Minn. R. 7001]
	5.7 43 .209 7	For discharges of no significant impact (e.g., non-surface water discharges) verbal or email consensus can be used in lieu of the more formal project discharge approval letter. The goal is a forty-eight hour turn-around time for this no impact discharges. [Minn. R. 7001]
	5.7 43 .210 08	Trench dewatering activities resulting in a point source discharge are subject to Best Management Practices such that the discharge will not cause a violation of water quality standards. Additionally, the Permittee shall employ best management practices to minimize sediment withdrawal and transport. [Minn. R. 7001]
		Tank Farms
	5.7 54 .211 09	Authorization. [Minn. R. 7001]
	5.7 54 .212 9	The Permittee is authorized for surface water discharges of "contact" water from such sources as the truck loading rack manifold piping in accordance and in compliance with the applicable conditions of this permit. All "contact" waters shall be treated prior to discharge. [Minn. R. 7001]
	5.7 54 .213 4	Upon receipt of prior written approval, the Permittee is authorized for a surface or non-surface water discharge of hydrostatic test waters from new and existing pipelines and above-ground storage tanks (ASTs) in accordance and in compliance with the applicable conditions of this permit and the specific approval letter. See approval letter requirements below. [Minn. R. 7001]
	5.7 54 .214 2	Prohibited Discharges. [Minn. R. 7001]

5.754.2153	This permit does not authorize the discharge or disposal of fuel "contact" wastewater from sources such as tank condensate, hydrostatic test, or cleaning waters from used piping and tanks. [Minn. R. 7001]
5.754.2164	This permit does not authorize the discharge of sewage, wash water, scrubber water, spills, oil, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands or other surface waters of the state. [Minn. R. 7001]
5.754.2175	The Permittee shall prevent the routing of pollutants associated with waste streams regulated by this permit from the facility to a municipal wastewater treatment system in any manner unless authorized by the pretreatment standards of the MPCA and the municipal authority. This does not include wastes associated with sanitary conveniences. [Minn. R. 7001]
5.754.2186	The Permittee shall not transport pollutants to a municipal wastewater treatment system that will interfere with the operation of the treatment system or cause pass-through violations of effluent limits or water quality standards. This clause does not apply to wastes associated with sanitary conveniences. [Minn. R. 7001]
5.754.2197	Hydrostatic Test Discharges. [Minn. R. 7001]
5.754.22048	This permit does not authorize the construction or installation of pipeline facilities, or underground or above ground storage tanks. [Minn. R. 7001]
5.754.22149	There shall be no discharge of hydrostatic test waters without prior written approval from the MPCA. The Permittee shall notify the MPCA no later than ^{at least} forty-five days in advance of its intention to discharge; and shall request authorization, effluent limitations, monitoring and reporting criteria from the MPCA. [Minn. R. 7001]
5.754.2229	The Permittee shall submit a written request for approval to discharge no later than forty-five days prior to any hydrostatic test activities. The Permittee shall provide information necessary to evaluate the potential impact of the proposed discharge, including but not limited to: A. What is being hydrotest, (e.g. used 50,000 gallon AST; new pipeline); B. The proposed discharge point and discharge date(s); C. Contaminants believed to be present in the waste stream; D. The estimated average and maximum discharge rates and estimated total flow volume of discharge; E. The water supply for the test waters, with a copy of the Minnesota Department of Natural Resources (DNR) water appropriation permit, if applicable; F. Proposed treatment method(s) before discharge; and G. Best management practices to be used to prevent scouring, sediment transport and erosion due to the discharge. [Minn. R. 7001]
5.754.2234	The Permittee shall maintain the discharge operation in such a manner so as to cause no erosion, scouring, sediment transport or other nuisance conditions in the area of the discharge or in the receiving water. [Minn. R. 7001]
	Contaminated Groundwater Pumpout
5.765.2242	Authorization. [Minn. R. 7001]
5.765.2253	The Permittee is authorized to discharge treated contaminated groundwater with reduced pollutant levels using Best Available Technology Economically Achievable (BAT). [Minn. R. 7001]
5.765.2264	This permit authorization is limited to: discharge from a groundwater removal system designed to remediate the defined groundwater contamination plume with known aquifer characteristics, providing that: A. Prior to discharge, the groundwater is treated using BAT), which may include, but is not necessarily limited to: multi-stage activated carbon, air stripping (i.e., packed tower, multiple tray, etc.), ultraviolet/oxidation, or biological treatment, any of which may be used in conjunction with in-situ bioremediation; B. The groundwater contains only pollutants for which the treatment efficiency and discharge quality can be adequately characterized by the pollutants and/or indicator compounds regulated herein and controlled by the BAT system employed; and

		C. The treatment used meets the limits described in the limits and monitoring section of this permit. [Minn. R. 7001]
	5.7 65 .22 75	Best Available Technology Economically Available For toxic pollutants, Section 301(b)(2) of the Clean Water Act (CWA) requires that all NPDES permits apply BAT for the reduction of pollutants in the waste stream. The BAT level of performance is understood to mean: "the very best control and treatment measures that have been, or are capable of being achieved." [CWA Sect. 301]
	5.7 65 .22 86	The technology-based treatment requirements cannot be satisfied through the use of "non-treatment" techniques such as flow augmentation and in-stream mechanical aerators. [40 CFR pt. 125, 3]
	5.7 65 .22 97	Other Permits. [Minn. R. 7001]
	5.7 65 .23 028	The Permittee is responsible for obtaining the necessary federal, state, and local approvals and permits. Water appropriation approval/permits are regulated by the Department of Natural Resources (DNR), and the Permittee shall secure authorization according to the DNR rules and regulations. Discharges to municipal storm sewers may require approval from the local municipal authority. It is the Permittee's responsibility to acquire local approval. This permit does not grant the Permittee access or a right to connect to a municipal storm sewer. If the Permittee discharges into a regulated Municipal Separate Storm Sewer System (MS4), the Permittee shall notify the operator of the MS4 of the existence of this permit no later than<u>within</u> 30 days of its issuance. The emission of volatile organic compounds from air stripping of contaminated groundwater shall be either approved, exempted from, or in compliance with an MPCA air emission permit. [Minn. R. 7001]
	5.7 65 .23 129	Prohibited Discharges. [Minn. R. 7001]
	5.7 65 .23 29	The Permittee shall prevent the routing of pollutants from the facility to a municipal wastewater treatment system in any manner unless authorized by the pretreatment standards of the MPCA and the municipal authority. [Minn. R. 7001]
	5.7 65 .23 31	The Permittee shall not discharge sludges, suspended solids, or settleable solids to surface waters of the state during cleaning of the air stripper, or any other treatment component. [Minn. R. 7050.0205]
	5.7 65 .23 42	Agricultural chemicals. Discharges from agricultural chemical-based remediation projects which are characterized by such pollutants as pesticides, ammonia-nitrogen, nitrate-nitrogen, chlorides, and phosphorus are prohibited. [Minn. R. 7001.1080]
	5.7 65 .23 53	PCBs, Dioxins, Furans. The intentional discharge of polychlorinated biphenyls (PCBs), dioxins, or furans into the waters of the state in such quantity, or in such manner alone, or in combination with other substances as to cause a violation of the applicable standards is prohibited. [Minn. R. 7001.1080]
	5.7 65 .23 64	Emerging Contaminants of Concern. Discharge of pollutants associated with emerging contaminants such as PFAS (per- and polyfluoroalkyl substances), pharmaceuticals, endocrine active substances, etc., are prohibited. [Minn. R. 7001.1080]
	5.7 65 .23 75	Metals. Except for clean-up sites associated with leaded gasoline, the discharge of contaminated groundwater with toxic metals at a level of concern, is not authorized under this permit. [Minn. R. 7001.1080]
	5.7 65 .23 86	Rare or Endangered Species. Discharges which would have a detrimental impact on rare or endangered species are prohibited. [Minn. R. 7053.0217]
	5.7 65 .23 97	Treatment Wastes. Discharges of treatment residuals or sludges, suspended solids, or backwashed sediment from the cleaning of treatment system components are prohibited. [Minn. R. 7050.0210, subp. 13]
	5.7 65 .24 038	Other Wastes. Discharges of wastes other than those described in the facility description of the permit are prohibited. [Minn. R. 7001]

5.7 65.241 39	Treatment System Operation and Maintenance. [Minn. R. 7001]
5.7 65.24 29	The Permittee shall at all times properly operate and maintain all systems and components of collection, treatment and control which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance shall include effective performance, adequate funding, and as applicable adequate operator staffing and training, adequate laboratory and process controls, and appropriate quality assurance procedures. [Minn. R. 7001]
5.7 65.24 31	All systems both in-service and reserved, shall be inspected and maintained on a regular basis. Records shall be kept of the inspection results and maintenance performed. Records shall be made available to the MPCA upon request. [Minn. R. 7001]
5.7 65.24 42	Where used, the operation of multi-stage activated carbon treatment systems shall be such that the rotation of carbon stages and the replacement of spent carbon shall be initiated upon break-through of pollutants in the intermediate treatment stage. [Minn. R. 7001]
5.7 65.24 53	The groundwater treatment system shall be equipped with liquid level and pressure sensors, alarms, automatic shutoffs, and other fail-safe features, as appropriate to ensure the integrity of the treatment system and prevent water quality exceedances. [Minn. R. 7001]
5.7 65.24 64	If the system includes granular activated carbon, the theoretical time to carbon breakthrough of the entire system shall be greater than either ten days beyond the anticipated period of the discharge, or sixty days, whichever is less. [Minn. R. 7001]
5.7 65.24 75	The Permittee shall maintain a Treatment Operations Plan that describes the treatment system used to achieve compliance with the permit conditions. <u>The plan shall be inclusive of all wastewater treatment units described in the Facility Description.</u> The plan shall include, at a minimum: A. A description of how the processes employed and physical design of the treatment works to ensure compliance with the permit limits; B. A contingency plan to be activated in the event of an emergency, including measures for the protection of the health and safety of employees and the public; C. Provisions for system start-up including a description of additional sample collection needed to show that the system is operating as designed before wastewater is released; D. Provisions for system shutdown; and E. Provisions to determine if the treatment system requires maintenance or other corrective actions to meet the permit limits. The Permittee shall provide a copy of this plan upon the request of the MPCA. [Minn. R. 7001.0150, subp. 3]
5.7 65.24 86	Data and analytic results pertaining to treatment system start-up shall be maintained with the Treatment Operations Plan. [Minn. R. 7001.0150, subp. 3 (F)]
5.7 65.24 97	This permit requires the operation of backup or auxiliary facilities or similar systems installed by a Permittee only when the operation is necessary to achieve compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 3 (F)]
5.7 65.25 048	The modified Wisconsin methods for diesel range organics (DRO) and gasoline range organics (GRO) shall be used for petroleum hydrocarbon constituents, including, but not necessarily limited to: gasoline, diesel fuel, fuel oil, kerosene, crude oil and jet fuel. [Minn. R. 7001.4340]
5.7 65.25 149	Analytic methods for benzene, toluene, ethylbenzene, and xylenes, including ortho-, meta, and para-xylene shall be analyzed using the most current approved EPA Method 624, 1624, or equivalent. The Permittee may also utilize equivalent EPA SW-846 methods such as, 8021 or 8260. [Minn. R. 7001.4340]
5.7 65.25 29	Discharge Changes. [Minn. R. 7001]
5.7 65.25 31	The Permittee shall submit a written request, and if required, apply for a modification of this permit before increasing the discharge volume, or if groundwater monitoring identifies additional pollutants or contaminant sources. [Minn. R. 7001.0170]
5.7 65.25 42	To begin discharge of contaminated groundwater from a new outfall, the Permittee shall submit a written application for and obtain a major modification of this permit, according to the Permit Modifications section of this permit. [Minn. R. 7001.0170]

5.765.2553	Application for Permit Reissuance. [Minn. R. 7001.0040]
5.765.2564	The application for reissuance shall include a general discussion of the groundwater remediation activity, including descriptions of the likely source(s) of contamination, extraction method, treatment process(es), design parameters-including influent and effluent pollutant levels, and average and maximum daily flow rates. [Minn. R. 7001.0050]
	Large Subsurface Treatment System (LSTS)
5.776.2575	Unauthorized Discharge. [Minn. R. 7001]
5.776.2586	There shall be no unauthorized discharge to the ground surface or surface water from these facilities. [Minn. R. 7001.0030]
5.776.2597	Prohibitions. [Minn. R. 7001]
5.776.26058	The Permittee shall prevent the discharge of any wastes other than sewage into any component of the facility, including septic tanks, advanced treatment systems, and soil treatment systems that could result in damage to the treatment facility or inhibit treatment unless the discharge of such other substances is specifically approved in writing by the MPCA. [Minn. R. 7001]
5.776.26159	Sanitary Sewer Extension Permit. [Minn. R. 7001]
5.776.2629	The Permittee may be required to obtain a sanitary sewer extension permit from the MPCA for any addition, extension, or replacement to the sanitary sewer. If a sewer extension permit is required, construction may not begin until plans and specifications have been submitted and a written permit is granted except as allowed in Minn. Stat. 115.07, subd. 3(b). [Minn. R. 7001.0020]
5.776.2634	Operator Certification. [Minn. R. 7001]
5.776.2642	The Permittee shall provide an operator who maintains direct responsibility of the operation, maintenance, and testing functions required to ensure compliance with the terms and conditions of this permit. In addition, the certified operator shall maintain a current Service Provider Certification. [Minn. R. 9400]
5.776.2653	The certified operator shall also become a certified Service Provider no later than <u>within</u> one year after <u>of</u> permit issuance. The MPCA will evaluate and any equivalent training. The equivalent training must be pre-approved by the MPCA. [Minn. R. 7001.0150, subp. 3(F)]
5.776.2664	If the Permittee chooses to meet operator certification requirements through a contractual agreement, the Permittee shall provide a copy of the contract to the MPCA, WQ Submittals Center. The contract shall include: A. The certified operator's name, certificate number, service provider certification number, company name (if appropriate), and the period covered by the contract and provisions for renewal; B. The duties and responsibilities of the certified operator; C. The duties and responsibilities of the Permittee; and D. Provisions for notifying the MPCA 30 days in advance of termination if the contract is terminated prior to the expiration date. [Minn. R. 9400]
5.776.2675	The Permittee shall notify the MPCA no later than <u>within</u> 30 days of a change in operator certification or contract status. [Minn. R. 9400]
5.776.2686	Operation and Maintenance Manual. [Minn. R. 7001]
5.776.2697	The Permittee is required to have on site and available an updated Operation and Maintenance manual. This manual shall be available to MPCA staff upon request. [Minn. R. 7001.0150, subp. 3(F)]
5.776.27068	Collection System. [Minn. R. 7001]
5.776.27169	The collection system shall be properly maintained to minimize inflow, infiltration, exfiltration, and obstructions. The Permittee shall keep a record of all inspections and maintenance operations for a minimum of three years. [Minn. R. 7001.0150, subp. 3(F)]
5.776.2729	Tank Maintenance. [Minn. R. 7001]
5.776.2734	All tanks (primary, secondary, holding, dosing, individual, etc.) associated with this system shall be operated, pumped, and maintained to ensure proper system operation and solids management. After every pumping event, all tanks shall be inspected for potential failure (such as cracks, roots,

		damaged baffles, etc.). Identified problems shall be corrected immediately. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2742	The Permittee shall keep records of all pumping, inspections, and maintenance operations for a minimum of three years. [Minn. R. 7001]
	5.776.2753	The Permittee shall arrange for the removal and proper disposal of septage from all septic tanks or compartments in which the top of the sludge layer is less than 12 inches below the bottom of the outlet baffle or whenever the bottom of the scum layer is less than three inches above the outlet baffle. All accumulations of sludge, scum, and liquids shall be removed through the maintenance hole. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2764	The Permittee shall properly clean the effluent screens as often as needed to maintain an adequate flow rate from the septic tank(s). The Permittee shall keep a record on site that indicates the dates the effluent screens are inspected, removed, and cleaned. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2775	Septic tank(s) shall be inspected at least every three years and pumped as necessary unless more restrictive local requirements have been established. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2786	Sewage treatment system additives must not be used as a means to reduce the frequency of proper maintenance and removal of septage from the septic tank. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2797	Sewage treatment system additives that contain hazardous materials shall not be used in septic tanks. Discharge of animal wastes, industrial wastes, petroleum products, and toxic pollutants and other hazardous wastes or substances is prohibited. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.28078	Facility Maintenance. [Minn. R. 7001]
	5.776.28179	The Permittee shall adequately protect the wastewater treatment system to prevent damage to it including but not limited to all soil treatment systems/drainfields and the reserve area. The soil treatment systems/drainfields shall be protected from disturbance, compaction, or other damage by staking, fencing, posting, or other effective method(s). [Minn. R. 7001]
	5.776.2829	A dense vegetative cover shall be maintained over the soil treatment system(s) at all times during the growing season to prevent the growth of unwanted vegetation such as trees, deep rooted nuisance plants, aquatic vegetation, and to prevent erosion. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2831	Routine maintenance shall be conducted to discourage the presence of rodents, and burrowing or other animals, on the soil treatment system and to allow inspection of observation ports installed in the soil treatment system(s) inspection pipes. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2842	Soil Treatment System Inspection. [Minn. R. 7001]
	5.776.2853	Ponding depth inspections to determine the condition of each soil treatment system and drainfield standpipe shall be conducted every other month during the time the soil treatment system is in use. The inspection of each soil treatment system shall include: A. The identification of wet or saturated areas; B. Depth of effluent ponding in the soil treatment observation ports; C. Evidence of effluent at the surface; D. Frozen components; and E. Measurements in piezometers (if installed). The owner must maintain visual observations and inspection records for a minimum of three years. The results of the inspection are not required to be submitted to the MPCA but shall be made available upon request by MPCA staff. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2864	Indications of excessive hydraulic and organic loading to the wastewater treatment facility flow rate include ineffective septic tanks or advanced treatment systems, prolonged saturated soil conditions, vegetative drowning or excessive groundwater mounding (observed from piezometers), and exceeding daily permitted flow rates as indicated by flow meters, event counters, and running time clocks. [Minn. R. 7001.0150, subp. 3(F)]
	5.776.2875	Expansion. [Minn. R. 7001]
	5.776.2886	If the application rate to the drainfield(s) or the flow rate to the septic tank(s) prove to be excessive, the Permittee shall submit an application for a permit modification for appropriate expansion of the system in accordance with the permit modifications section of this permit.

		Indications of excessive flow rate include prolonged saturated soil conditions, vegetative drowning, excessive groundwater mounding, and exceeding daily permitted flow rates as indicated by flow meters. [Minn. R. 7001.0150, subp. 3(F)]
		Industrial Stormwater Sectors: B: Paper and Allied Products Manufacturing, C: Chemical and Allied Products Manufacturing, E: Glass, Clay, Cement, Concrete, and Gypsum Products, K: Hazardous Waste Treatment, Storage, or Disposal Facilities, P: Land Transportation and Warehousing, T: Treatment Works, V: Textile Mills, Apparel, and Other Fabric Products Manufacturing, and Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries
	5.787.2897	Authorization. [Minn. R. 7000]
	5.787.29088	This chapter authorizes the Permittee to discharge stormwater associated with industrial activity from industrial activities associated with SIC code(s) 2295, 2297, 2672, 2821, 2824, 2843, 2851, 2865, 2869, 2891, 3069, 3081, 3083, 3089, 3229, 3291, 3299, 4225, and 4953 in accordance with the terms and conditions of this chapter. [Minn. R. 7090]
	5.787.29189	Prohibited Discharges. [Minn. R. 7000]
	5.787.2920	This chapter does not authorize the discharge of stormwater to prohibited waters as defined in Minn. R. 7050.0335. [Minn. R. 7090]
	5.787.2934	Limits on Authorization. [Minn. R. 7000]
	5.787.2942	The following discharges are not authorized under this chapter: A. Non-stormwater discharges containing inks, paints, other hazardous or non-hazardous substances, etc. resulting from an on-site spill, including materials collected in drip pans; B. Wash water from material handling and processing areas; C. Wash water from drum, tank, or container rinsing and cleaning; and D. Discharges of runoff from coal yards and coal piles. The discharge of any coal yard and coal pile runoff is a wastewater and will require a separate NPDES/SDS permit. [Minn. R. 7090]
	5.787.2953	Water Quality Standards. [Minn. R. 7000]
	5.787.2964	The Permittee shall operate and maintain the facility and shall control runoff, including stormwater, from the facility to prevent the exceedance of water quality standards specified in Minnesota Rules, chs. 7050 and 7060. [Minn. R. 7050, Minn. R. 7060]
	5.787.2975	The Permittee shall limit and control the use of materials at the facility that may cause exceedances of groundwater standards specified in Minnesota Rules, ch. 7060. These materials include, but are not limited to, detergents and cleaning agents, solvents, chemical dust suppressants, lubricants, fuels, drilling fluids, oils, fertilizers, explosives and blasting agents. [Minn. R. 7060]
	5.787.2986	Stormwater Pollution Prevention Plan. [Minn. R. 7000]
	5.787.2997	The Permittee shall develop and implement a Stormwater Pollution Prevention Plan (SWPPP) to address the specific conditions at the facility. The goal of the SWPPP is to eliminate or minimize contact of stormwater with significant materials that may result in pollution of the runoff. If contact cannot be eliminated or reduced, stormwater that has contacted significant material must be treated before it is discharged from the site. Guidance for preparing the SWPPP can be found on the web at: http://www.pca.state.mn.us . [Minn. R. 7090]
	5.787.300298	At a minimum, the SWPPP must include: A. A description of the industrial activities conducted at the facility; B. A drainage map (USGS or equivalent) showing: i. Location of all impervious surfaces; ii. Arrows indicating directions of stormwater flow; and iii. Location of all structural and non-structural BMPs. C. An assessment and inventory of all activities or exposed materials that can potentially be sources of pollutants to stormwater discharges; D. A description of all structural and non-structural BMPs the Permittee designs or implements at the facility; E. A list of personnel receiving training to conduct facility inspections;

F. Records of all details relating to the monthly visual inspections;
G. Information pertaining to maintenance in accordance with Maintenance Requirements section of this permit;
H. A spill prevention and response procedure; and
I. A Mercury Minimization Plan if the Permittee discovers mercury sources as a result of compliance with the Stormwater Control Measures section of this permit. [Minn. R. 7090]

5.787.301299

Additional Sector Specific SWPPP Requirements

Sector C

In addition to the requirements in the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

A. Facility Map; and

The Permittee shall identify where any of the following come into contact with stormwater:

- i. Access roads, rail cars, and tracks;
- ii. Areas where bulk substance transfers occur; and
- iii. Operating machinery.

B. Potential Pollutant Sources.

The Permittee shall describe the following sources that have potential pollutants associated with them:

- i. Outdoor storage of salt, pallets, coal, drums and containers;
- ii. Access roads, rail cars, and tracks;
- iii. Areas where bulk substance transfers occur; and
- iv. Areas where machinery operates.

Sector E

In addition to the requirements in the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

A. Facility Map.

The Permittee shall identify the following locations:

- i. Bag house or other dust control device;
- ii. Recycle/sedimentation pond, clarifier, or any other device the Permittee uses for the treatment of process wastewater; and
- iii. The areas that drain to the treatment device.

Sector P

In addition to the requirements of the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

A. Facility Map.

The Permittee shall identify the locations of any of the following activities or sources that may come into contact with stormwater:

- i. Scrap yards and general refuse areas;
- ii. Short- and long-term storage of construction materials, paint equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer, and pesticides;
- iii. Landfills and construction sites; and
- iv. Stockpile areas (e.g. coal, ash or limestone piles).

Sector T

In addition to the requirements in the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

a. Facility Map.

The Permittee shall identify where any of the following may come into contact with stormwater:

- i. Handling, storage, or disposal areas for grit, screenings, and other solids.
- ii. Sludge drying beds.
- iii. Dried sludge piles.
- iv. Compost piles.

- v. Septage or hauled waste receiving station.
- vi. Storage areas for process chemicals, petroleum products, solvents, fertilizers, herbicides, and pesticides.

Sector V

In addition to the requirements in the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

A. Potential Pollutant Sources.

The Permittee shall describe the following additional sources and activities that have potential pollutants associated with them:

- i. Backwinding;
- ii. Beaming;
- iii. Bleaching;
- iv. Backing bonding;
- v. Carbonizing;
- vi. Carding;
- vii. Cut and sew operations;
- viii. Desizing;
- ix. Drawing;
- x. Dyeing locking;
- xi. Fulling, knitting;
- xii. Mercerizing;
- xiii. Opening;
- xiv. Packing;
- xv. Plying;
- xvi. Scouring;
- xvii. Slashing;
- xviii. Spinning;
- xix. Synthetic-felt processing;
- xx. Textile waste processing;
- xxi. Tufting;
- xxii. Turning;
- xxiii. Weaving;
- xxiv. Web forming;
- xxv. Winging;
- xxvi. Yarn spinning; and
- xxvii. Yarn texturing.

Sector Y

In addition to the requirements in the Stormwater Pollution Prevention Plan section of this permit, the Permittee shall also comply with the following:

A. Potential Pollutant Sources. The Permittee shall review the use of zinc at the facility and the possible pathways through which zinc may come in contact with stormwater. The Permittee shall list the materials and activities at the facility that are sources of zinc. [Minn. R. 7090]

5.787.3029

The Permittee shall evaluate all stormwater conveyances (storm sewers, pipes, tile lines, ditches, etc.) to document if non-stormwater flows are being conveyed. This should be done during dry weather when stormwater flow is not occurring. This evaluation should include sewer inlets and floor drains to determine which inlets/drains are connected to sanitary sewer lines, storm sewer lines, or septic tanks/drainage fields.

The Permittee shall document this evaluation with the SWPPP, and include:

- A. The date of the evaluation;
- B. A description of the evaluation criteria used;

	C. A list of monitoring locations observed during the evaluation; D. The different types of non-stormwater flows and source locations; and E. The action(s) taken, such as a list of control measures used to eliminate any unauthorized flow(s) the Permittee identifies. The Permittee shall eliminate all non-stormwater discharges not authorized by this permit or a separate NPDES/SDS permit. [Minn. R. 7090]
5.787.3034	The SWPPP must describe measures to prevent or minimize contamination of the storm water runoff from transfer/loading areas. The facility shall consider covering the transfer/loading area, using spill and overflow protection and cleanup equipment, minimizing runoff of storm water to the fueling area, using dry cleaning methods, collecting the stormwater runoff and providing treatment or recycling or other equivalent measures. [Minn. R. 7090]
5.787.3042	The SWPPP shall be developed and implemented no later than within 180 days after permit issuance and shall be available to the MPCA upon request. [Minn. R. 7090]
5.787.3053	Stormwater Control Measures. [Minn. R. 7000]
5.787.3064	The Permittee shall design and implement all stormwater control measures, including BMPs, to reduce or eliminate contact or exposure of pollutants to stormwater, to prevent erosion, control sediment and manage runoff, or remove pollutants from stormwater prior to discharge from the facility. [Minn. R. 7090]
5.787.3075	Good Housekeeping. [Minn. R. 7000]
5.787.3086	The Permittee shall employ good housekeeping practices to: A. Keep exposed areas that may contribute pollutants to stormwater sufficiently clean to reduce or eliminate contaminated stormwater runoff; and B. Remove and properly dispose of significant materials that have been tracked off-site within 72 hours of discovery In addition, the Permittee shall identify and manage all on-site sources of dust to minimize stormwater contamination from the deposition of dust on areas exposed to precipitation. [Minn. R. 7090]
5.787.3097	Additional Sector Specific Good Housekeeping Requirements Sector E The Permittee shall prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), kiln dust, fly ash, or settled dust from paved portions of the facility with exposure to stormwater. The Permittee shall determine the frequency of sweeping or equivalent by the amount of industrial activity occurring in the area and the frequency of exposure to stormwater, but the Permittee shall perform this action least once per week if the Permittee is handling or processing cement, aggregate, kiln dust, fly ash, or settled dust. Sector P The Permittee shall describe and implement procedures to reduce or control the tracking of ash and residue from ash loading areas. The Permittee shall describe and implement housekeeping procedures, such as, dust suppression, containment, or clearing loading areas, floors and roadways of ash and excess water. [Minn. R. 7090]
5.787.31098	Salt Storage, Use, and Management at the Facility. [Minn. R. 7000]
5.787.31109	The Permittees should implement the following BMPs if salt piles are present at the facility: A. Cover salt piles or store the salt piles indoors; B. Minimize the use of salt or other de-icing materials by using the proper equipment, material, and application rates; C. Implement practices to reduce exposure resulting from adding or removing material from the salt piles (e.g., sweeping, diversions, containment); and D. Document within the SWPPP the location of any storage piles containing salt stored outside. [Minn. R. 7090]
5.787.3129	Erosion Prevention & Sediment Control. [Minn. R. 7000]

5.787.3134	The Permittee shall identify areas at the facility that, due to topography, land disturbance (e.g. construction, grading, landscaping), or other factors, have potential for soil erosion. In those areas, the Permittee shall implement structural, vegetative, and/or stabilization BMPs to prevent or control on-site erosion and reduce sediment loads in stormwater discharges. [Minn. R. 7090]
5.787.3142	Chemical Additive Use. [Minn. R. 7000]
5.787.3153	The Permittee shall complete an inventory of exposed significant materials. Indicate the types of significant materials handled or stored at the site that may potentially contact stormwater. The following are examples of materials that, if exposed to stormwater, must be included in the inventory: A. Raw materials, such as corn feedstock, fuels; solvents; petroleum products; detergents; plastic pellets; materials used in food processing or production; stockpiled sand, salt or coal; B. By-products or intermediate products, such as wood dust, chips or bark; screened limestone, taconite or gravel by-product, recycled blacktop, PFAS deposition and/or contamination on roof tops, other surfaces and/or soil; C. Finished materials, such as ethanol; D. Waste products, such as ashes, sludge, solid and liquid wastes, slag, cleaning wastes, off-spec and unusable byproducts; boiler, cooling tower and filter wastes; E. Outdoor storage of salt, pellets, coal, drums and containers; access roads, rail cars and tracks; areas where the transfer of substances in bulk occurs; and areas where machinery operates; F. Hazardous substances designated under section 101(14) of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA); and G. Any chemical the facility is required to report under section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). [Minn. R. 7090]
5.787.3164	If the Permittee intends to use polymers, flocculants, or other sedimentation treatment chemicals at the facility, the Permittee shall comply with the following minimum requirements: A. The Permittees must use conventional erosion and sediment controls prior to chemical addition to ensure effective treatment; B. Chemicals may only be applied where treated stormwater flows to a sediment control system that allows for filtration or settlement of the floc prior to discharge; C. Chemicals must be selected that are appropriately suited to the types of soils likely to be exposed to stormwater runoff at the facility, and to the expected turbidity, pH, and flow rate of stormwater flowing into the chemical treatment system; and D. Use chemicals in accordance with standard engineering practices, and with dosing specifications and sediment removal design specifications of the manufacturer or chemical supplier. [Minn. R. 7090]
5.787.3175	Facility Inspection Requirements. [Minn. R. 7000]
5.787.3186	The Permittee shall develop and implement an inspection schedule that includes a minimum of one facility inspection per calendar month. A minimum of one of these inspections must be conducted during a rain or snowmelt runoff event. [Minn. R. 7090]
5.787.3197	All facility inspections must include the following: A. An evaluation of the facility to determine that the SWPPP accurately reflects site conditions. At a minimum, the Permittee shall inspect storage tank areas, waste disposal areas, maintenance areas, loading/unloading areas, and raw material, intermediate product, by-product and final product storage areas; B. An evaluation of all structural and non-structural BMPs to determine effectiveness and proper function; C. An evaluation of the facility to determine whether there are new exposed significant materials or activities at the site since completion of the SWPPP; and D. During an inspection conducted during a runoff event, an evaluation of the stormwater runoff to determine discoloration or if other contaminants are visible in the runoff (e.g. oil & grease). [Minn. R. 7090]
5.787.32048	The Permittee shall document all inspections and the following information must be stored with the SWPPP:

	A. Inspection date (i.e. mm/dd/yyyy), time, and weather conditions; B. Inspector name; C. Inspection findings; and D. A description of any necessary corrective actions and a schedule for corrective action completion. [Minn. R. 7090]
5.787.32149	Additional Sector Specific Facility Inspection Requirements Sector E The Permittee shall include dust collection and containment systems in the facility inspections. Sectors C, P, and V In addition to the inspection requirements outlined in Stormwater Control Measures section of this permit, the Permittee shall ensure that a total of 2 inspections occur during runoff events, with at least one inspection occurring during a snowmelt runoff event. Each inspection must include a visual assessment of the runoff to identify any visible sheens or films that indicate the presence of oil or grease in the discharge. If sheens are present in stormwater discharges, implement corrective actions to prevent sheen and document those corrective actions in the SWPPP. Sector T The Permittee shall include the following areas in all inspections: A. Access roads and rail lines. B. Grit, screenings, and other solids handling. C. Sludge drying beds. D. Dried sludge piles. E. Compost piles. F. Septage or hauled waste receiving stations. [Minn. R. 7090]
5.787.3229	If conditions are observed at the site that require changes in the SWPPP, such changes shall be made to the SWPPP prior to submission of the annual report for that calendar year. [Minn. R. 7090]
5.787.3234	If the findings of a site inspection indicate that BMPs are not meeting the objectives as identified above, corrective actions shall be initiated <u>no later than</u> within thirty days <u>of the finding</u> and the BMP restored to full operation as soon as conditions allow. [Minn. R. 7090]
5.787.3242	Maintenance Requirements. [Minn. R. 7000]
5.787.3253	BMP Maintenance. [Minn. R. 7000]
5.787.3264	The Permittee shall maintain all stormwater BMPs at the facility, to ensure BMP effectiveness. A. The Permittee shall develop a schedule for preventive maintenance of all stormwater BMPs, and store the schedule with the SWPPP; B. If the Permittee identifies BMPs that are not functioning properly, the Permittee shall replace, maintain, or repair the BMPs <u>no later than</u> within 7 calendar days <u>after</u> of discovery. If the Permittee cannot complete BMP replacement, maintenance, or repair <u>within no later than</u> 7 calendar days <u>after the discovery</u>, the Permittee shall implement effective backup BMPs <u>within no later than</u> 48 hours <u>after</u> of the discovery, and maintain the backup BMPs until the Permittee restores the effectiveness of the original BMPs. The Permittee shall document the justification for an extended replacement, maintenance, or repair schedule of the failed BMPs, and store it with the SWPPP; and C. The Permittee shall record dates of maintenance and repairs. The Permittee shall store these records with the SWPPP. [Minn. R. 7090]
5.787.3275	Equipment Preventive Maintenance. [Minn. R. 7000]
5.787.3286	The Permittee shall develop and implement a preventive maintenance program and store the information with the SWPPP. The program must require regular inspection, maintenance, and repair of industrial equipment and systems. The inspections must identify conditions that could cause breakdowns or failures, which may result in leaks, spills, and other releases (e.g. hydraulic leaks, torn bag-house filters, etc.), and the discharge of pollutants to stormwater. The preventive maintenance program may incorporate, by reference, a separate Operation and Maintenance

	Manual (or equivalent), as long as it addresses the items the preventive maintenance program requires above. [Minn. R. 7090]
5.787.3297	Spill Prevention and Response Requirements. [Minn. R. 7000]
5.787.33028	The Permittee shall develop and implement a spill prevention and response procedure. If the facility already has a separate plan (e.g. Prevention and Response Plan as required by Minn. Stat. ch. 115E, or Spill Prevention Control and Countermeasure (SPCC) Plan as required by Federal Law), that Permittee can incorporate the plan by reference into the SWPPP. [Minn. R. 7090]
5.787.33129	All spilled product and other spilled wastes potentially subject to stormwater contact shall be immediately cleaned up and disposed of according to all applicable regulations or Spill Prevention Control and Countermeasure plans. Use of detergents, emulsifiers, or dispersants to clean up spilled product is prohibited except where necessary to comply with state or federal safety regulations (i.e., requirement for non-slippery work surface) except where the cleanup practice does not result in discharges and does not leave residues exposed to future storm events. In all cases, initial cleanup shall be done by physical removal and chemical usage shall be minimized. [Minn. R. 7090]
5.787.3329	The Permittee shall ensure the use of infiltration is not part of a spill containment plan. This includes spill plans required under Federal Spill Prevention Containment and Control (SPCC) requirements or Minn. Stat. ch. 115E "The Spill Bill.". [Minn. R. 7090]
5.787.3334	The Permittee shall ensure the use of a pond is not part of a spill containment plan, including spill plans required under Federal Spill Prevention Containment and Control (SPCC requirements or Minn. Stat. ch. 115E), unless appropriate controls are in place to contain the spill. If the Permittee uses a pond as part of a spill containment plan, the pond must have a chemically compatible liner for chemical spills that the Permittee expects to enter the pond and must have outlet controls to contain a spill. A plan must also be in place to clean up a spill so that the pond will not continue to be a source of spilled pollutants. The Permittee shall document evaluations with the SWPPP. [Minn. R. 7090]
5.787.3342	Employee Training Program. [Minn. R. 7000]
5.787.3353	The Permittee shall develop and implement a training program for employees. Training must cover stormwater control measures, components and goals of the SWPPP, monitoring procedures, and other applicable requirements of the permit. The program must include a training schedule that includes training at least annually. Training must correlate with the job function of the employee. At a minimum, the Permittee shall ensure that the following individuals receive training: A. Employee(s) responsible for writing, revising, and implementing the SWPPP; B. Employee(s) responsible for installing, inspecting, maintaining, and repairing BMPs; C. Employee(s) whose work involves the regulated industrial activity, including but not limited to loading/unloading areas, processing areas, waste and fluid management areas, fueling areas, and vehicle maintenance areas; and D. Employee(s) who conduct stormwater discharge monitoring. [Minn. R. 7090]
5.787.3364	The Permittee shall maintain training records including: A. The trainer's name and trainer's organization (internal or external); B. The names (printed first and last) of the employee(s) and date(s) the employee(s) received training; and C. A detailed description of the training provided to each employee. [Minn. R. 7090]
5.787.3375	The Permittee shall maintain the training records either in the SWPPP, or in a separate record stored with the SWPPP, for at least three years. [Minn. R. 7090]
5.787.3386	Additional Sector Specific Employee Training Program Requirements Sector T The Permittee shall address the following during employee training: A. Petroleum product management. B. Process chemical management. C. Fueling procedures. D. Proper procedures for using fertilizer, herbicides, and pesticides.

	Sector V As part of the employee training program, the Permittee shall address the following activities: A. Use of reused and recycled waters; B. Solvents management; C. Proper disposal of dyes; and D. Proper disposal of petroleum products and spent lubricants. [Minn. R. 7000]
5.787.3397	Industrial Stormwater Intervention Limits. [Minn. R. 7000]
5.787.34038	Each quarterly sample may be collected at any time during the calendar quarter. Quarterly sample results shall be averaged annually, and the annual quarterly average shall be compared to the intervention limit to determine if the intervention limit has been met or exceeded. [Minn. R. 7090]
5.787.34139	The Permittee shall comply with the benchmark monitoring procedures and sample collection methods in accordance with the Benchmark Monitoring Fact Sheet on the following website: https://www.pca.state.mn.us/water/industrial-stormwater-individual-npdes-sds-wastewater-permits-compliance-and-guidance . For the purposes of this permit, Benchmark Monitoring is reflected as intervention limits in the Limits and Monitoring section of this permit. [Minn. R. 7090]
5.787.3429	An exceedance of an applicable intervention limit does not constitute a violation under this permit. However, the Permittee is required to perform any necessary corrective action(s) to address stormwater control measures, including the maintenance or implementation of BMPs, when an exceedance of an applicable intervention limit occurs. Failure to respond to intervention limit exceedances is a violation of the permit. [Minn. R. 7090]
5.787.3434	The Permittee shall complete the following steps if intervention limits are exceeded: A. Collect at least one sample in the following quarter at the benchmark monitoring location(s) where exceedance(s) have occurred. Calculate the average of the four most recent quarters and compare this new average with the applicable intervention limit(s); B. Modify the SWPPP and document all corrective actions necessary to meet the applicable intervention limits, including improvements to BMPs; C. Initiate modifications and upgrade the SWPPP and BMPs immediately, but no later than 14 days beyond discovery of an intervention limit exceedance; and D. Install a new or repair an existing control measure to make it operational as soon as possible. i. If the Permittee is unable to complete the installation or repair within no later than 14 calendar days, the Permittee shall document why it is infeasible within the 14-day timeframe. ii. Identify a schedule for completing the work, and document as soon as practicable after the 14-day timeframe but no later longer than 45 days after discovery. Include all documentation within or as an attachment to the SWPPP. [Minn. R. 7090]
5.787.3442	Records. [Minn. R. 7000]
5.787.3453	The SWPPP shall be retained for the duration of the permit. A copy of the SWPPP shall remain on the permitted site whenever Permittee staff is on the site and be available upon request. The Permittee shall maintain the following records for the period of permit coverage: A. Dates and findings of inspections; B. Completed corrective actions; C. Documentation of all changes to the SWPPP; and D. A copy of all annual reports. [Minn. R. 7090]
5.787.3464	Reporting. [Minn. R. 7000]
5.787.3475	The Permittee shall submit a stormwater annual report: Due annually, by the 31st of March of each year following permit issuance. The Permittee shall submit the Annual Report online through the electronic submittal system e-Services. [Minn. R. 7090]
5.787.3486	The Annual Report must cover those portions of the previous calendar year the Permittee had authorization to discharge industrial stormwater. The Annual Report must include, at a minimum, the following information: A. A summary of inspection dates, findings, and any BMP maintenance the Permittee conducted during the course of the reporting year;

	B. The results of any inspection requirements involving oil and grease, as described in the Sector-Specific Requirements section of this permit, if applicable; C. A confirmation that the SWPPP accurately reflects facility conditions; D. A confirmation that newly-exposed significant materials (if any) are identified and that the Permittee modifies the SWPPP to address them; E. A confirmation that the Permittee conducts a review of impaired waters and that the Permittee modifies the SWPPP to address applicable permit requirements of the Stormwater Pollution Prevention Plan and Benchmark Monitoring Requirements sections of this permit, if necessary; F. A confirmation that the Permittee meets the review requirements of USEPA-approved TMDLs that may apply to the facility; G. A description of any SWPPP modification the Permittee makes in accordance with the Stormwater Pollution Prevention Plan section of this permit, including any information supporting the use of a monitoring waiver outlined in the Benchmark Monitoring Requirements Section of this permit; H. A list of all spills and leaks (as pursuant to Minn. Stat. 115.061) occurring at the facility during the reporting year; and I. If applicable, a summary of all facility mobile industrial activities. At a minimum, the summary must include a description (including SIC code and/or narrative activity), locations of the mobile industrial activity (including latitude and longitude coordinates), and length of time of the mobile industrial activity occurrence(s). J. For any stormwater monitoring stations that contained any PFAS compound above a MDH Health Based Value (HBV) or MPCA site specific criteria or water quality standard, the report shall include an evaluation and detailed description of the methods and technologies that will be used to eliminate the discharge of stormwater to surface water exceeding the water quality criteria and/or HBV for unsaturated zone discharges. The evaluation and methods considered shall include, but are not limited to, the following: - Eliminating exposure via removing the source(s) and/or covering the source(s) of PFAS. - Removing collected stormwater from basins via truck and hauling to PFAS treatment (e.g., Building 150, temporary granular activated carbon (GAC) vessels, available Phase 3 treatment system capacity, etc.). - Diverting additional stormwater into subsurface stormwater capture systems for pumping to PFAS treatment. - Existing stormwater basins to prevent PFAS discharges to the unsaturated zone. - Creating additional stormwater basins to provide additional retention capacity prior to PFAS treatment. - Timeline for implementation. K. A detailed narrative describing the operation and maintenance procedures utilized for PFAS treatment of stormwater that monitored for PFAS breakthrough. Response procedures in place to ensure that PFOS is consistently non-detect after treatment so as to determine changeout frequency consistent with optimizing the technologies shall also be included. L. An analysis of PFAS results from all stormwater monitoring locations with visualizations including graphs depicting the most recent year's monitoring results compared to prior years. M. A visual overlay of calendar year average and maximum PFAS results for all monitoring locations and all parameters. [Minn. R. 7090]
5.787.3497	Industrial Stormwater Ponds and Infiltration Systems. [Minn. R. 7000]
5.787.35048	Sector B, C, E, P, T, V, and Y industrial facilities may use designed infiltration systems or industrial stormwater ponds for stormwater management. Stormwater ponds/sedimentation basins shall be designed by a registered professional engineer and installed under the direct supervision of a registered professional engineer. If a new stormwater pond/sedimentation basin will be constructed, the Permittee shall follow the guidance located on the website at: http://www.pca.state.mn.us/r4ard68. [Minn. R. 7090]
5.787.35149	No outflow from a stormwater pond shall occur while sediment is being removed from the pond. The sediment removed from the pond shall be disposed of at a site at the facility which drains to the pond or at a landfill authorized to accept the material. [Minn. R. 7090]

5.787.3529	Notification. [Minn. R. 7000]
5.787.3531	If the Permittee has an industrial stormwater discharge and directly discharges into a regulated Municipal Separate Storm Sewer System (MS4), the Permittee shall notify the MS4 operator that they are discharging industrial stormwater into their storm sewer system. [Minn. R. 7090]
5.787.3542	Additional Sector Specific Requirements. [Minn. R. 7000]
5.787.3553	Sector P Preventative Maintenance The Permittee shall describe and implement measures that prevent or minimize contamination of stormwater runoff from delivery vehicles carrying significant materials arriving at the facility. The Permittee shall have procedures ensuring overall integrity of the body or container and procedures to deal with leakage or spillage from vehicles or containers. The Permittee shall describe and implement measures that prevent or minimize contamination of surface runoff from oil-bearing equipment in switchyard areas. The Permittee shall use level grades and gravel surfaces to slow down flows and limit the spread of spills from oil-bearing equipment in switchyards, or collect runoff in perimeter ditches from these areas. Management of Runoff The Permittee shall describe and implement measures that prevent or minimize contamination of surface runoff from areas adjacent to disposal ponds or landfills. Develop procedures to reduce ash residue that the Permittee may track on to access roads by residue handling vehicles, and reduce ash residue on exit roads leading into and out of residue handling areas. Spill Response and Prevention Requirements The Permittee shall describe and implement measures to reduce the potential for an oil or chemical spill, or reference the appropriate part of the facility SPCC plan. Visually inspect the structural integrity of all aboveground tanks, pipelines, pumps, and related equipment, and conduct any necessary repairs, pursuant to Minnesota tanks program requirements. [Minn. R. 7000]
5.787.3564	Sector T Potential Pollutant Sources The Permittee shall describe the following additional sources that have potential pollutants associated with them: A. Grit, screenings, and other solids handling. B. Sludge drying beds. C. Dried sludge piles. D. Compost piles. E. Septage or hauled waste receiving station. F. Access roads and rail lines. [Minn. R. 7090.80, 9]
5.787.3575	Sector V Preventative Maintenance The Permittee shall describe and implement measures that prevent or minimize contamination of stormwater from material handling operations by using the following: A. Spill and overflow protection; and B. Covering or enclosing areas where the transfer of materials occurs. The Permittee shall address the replacement or repair of leaking connections, valves, transfer lines, and pipes that carry chemicals, dyes, or wastewater. [Minn. R. 7090.80, 9]
5.787.3586	Sector Y Industry Specific Maintenance Requirements The Permittee shall describe and implement specific controls to minimize contact of zinc with stormwater discharges by:

		A. Using chemicals purchased in pre-weighed, sealed polyethylene bags; B. Storing in-use materials in sealable containers; C. Ensuring an airspace between the container and the cover to minimize "puffing" losses when the Permittee opens the container; D. Using automatic dispensing and weighing equipment; and E. Replacing or repairing improperly operating dust collectors or baghouses. The Permittee shall describe and implement specific controls to minimize contact of plastic resin pellets with stormwater discharges. [Minn. R. 7090.3060]
		Total Residual Oxidants
	5.798.3597	General Requirements. [Minn. R. 7001]
	5.798.36058	Total Residual Chlorine (TRC) shall be analyzed immediately. This means within 15 minutes or less of sample collection. [40 CFR 136.6]
	5.798.36159	A Reporting Limit (RL) shall be established for this parameter. This must be based on the analysis of a standard at or below the RL. [Minn. R. 7001]
	5.798.3629	A RL of 0.04 mg/L is considered in compliance with the 0.038 mg/L limit. [Minn. R. 7001]
	5.798.3631	The RL shall be verified against a known standard at least monthly during the monitoring period. For successful verification, the standard needs to be recovered at +/- 40% of the actual value. [Minn. R. 7001]
	5.798.3642	Monitoring results below the RL should be reported as "<" the RL. If the RL is 0.01 mg/L, based on the analysis of a standard at or below that level, and a parameter is not detected at a value of 0.01 mg/L or greater, the concentration shall be reported as "<0.01 mg/L." The symbol "<" means "less than." [Minn. R. 7001]
	5.798.3653	Compliance with a Daily Maximum Limit. [Minn. R. 7001]
	5.798.3664	Compliance with a Daily Maximum limit for Total Residual Chlorine (TRC) concentration limits can be evaluated using one of the two following methods. [State Definitions]
	5.798.3675	Single Sample Value - A single sample taken in a 24-hour period with a value of 0.038 mg/L or less is considered in compliance. [Minn. R. 7001]
	5.798.3686	Multiple Sample Value - If the single value sample is greater than 0.038 mg/L, an average can be calculated using two to twelve samples analyzed in a 24-hour period. To calculate using multiple samples: A. The second sample shall be taken two hours after the initial sample; and B. Subsequent samples shall be taken at one-hour intervals not to exceed twelve samples in a 24-hour period The average value of the multiple samples must be 0.038 mg/L or less to be considered in compliance. Values below the RL for TRC are assumed to be zero for averaging purposes only. [Minn. R. 7001]
		Total Facility Requirements (NPDES/SDS)
	5.8079.3697	Definitions. Refer to the Permit User's Manual found on the MPCA's website at https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf for standard definitions. [Minn. R. 7001]
	5.8079.37068	Incorporation by Reference. This permit incorporates the following applicable federal and state laws applicable to the Permittee and enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. chs. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. chs. 115 and 116. [Minn. R. 7001]
	5.8079.37169	Permittee Responsibility. The Permittee shall perform the actions or conduct the activity authorized by this permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the MPCA. [Minn. R. 7001.0150, subp. 3(E)]
	5.8079.3729	Toxic Discharges Prohibited. Whether or not this permit includes effluent limitations for toxic pollutants, the Permittee shall not discharge a toxic pollutant except according to

		40 CFR pts. 400 to 460 and Minn. R. chs. 7050, 7052, 7053 and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]
	5.8079.3731	Nuisance Conditions Prohibited. The Permittee's discharge shall not cause any nuisance conditions including, but not limited to: floating solids, scum and visible oil film, excessive suspended solids, material discoloration, obnoxious odors, gas ebullition, deleterious sludge deposits, undesirable slimes or fungus growths, aquatic habitat degradation, excessive growths of aquatic plants, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. [Minn. R. 7050.0210, subp. 2]
	5.8079.3742	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
	5.8079.3753	Liability Exemption. In issuing this permit, the State and the MPCA assume no responsibility for damage to persons, property, or the environment caused by the activities of the Permittee in the conduct of its actions, including those activities authorized, directed, or undertaken under this permit. To the extent the State and the MPCA may be liable for the activities of its employees, that liability is explicitly limited to that provided in the Tort Claims Act. [Minn. R. 7001.0150, subp. 3(O)]
	5.8079.3764	The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what Minnesota statutes authorize. [Minn. R. 7001.0150, subp. 3(D)]
	5.8079.3775	Liabilities. The MPCA's issuance of this permit does not release the Permittee from any liability, penalty, or duty imposed by Minnesota or federal statutes or rules or local ordinances, except the obligation to obtain the permit. [Minn. R. 7001.0150, subp. 3(A)]
	5.8079.3786	The issuance of this permit does not prevent the future adoption by the MPCA of pollution control rules, standards, or orders more stringent than those now in existence and does not prevent the enforcement of these rules, standards, or orders against the Permittee. [Minn. R. 7001.0150, subp. 3(B)]
	5.8079.3797	Severability. The provisions of this permit are severable and, if any provisions of this permit or the application of any provision of this permit to any circumstance are held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby. [Minn. R. 7001]
	5.8079.38078	Compliance with Other Rules and Statutes. The Permittee shall comply with all applicable air quality, solid waste, and hazardous waste statutes and rules in the operation and maintenance of the facility. [Minn. R. 7001]
	5.8079.38179	Inspection and Entry. When authorized by Minn. Stat. ch. 115.04, 115B.17, subd. 4, and 116.091, and upon presentation of proper credentials, the Permittee shall allow the MPCA, or an authorized employee or agent of the MPCA, to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(I)]
	5.8079.3829	Control Users. The Permittee shall regulate the users of its facility to prevent the introduction of pollutants or materials that may result in the inhibition or disruption of the conveyance system, treatment facility or processes, or disposal system that would contribute to the violation of the conditions of this permit or any federal, state, or local law or regulation. [Minn. R. 7001.0150, subp. 3(F)]
	5.8079.3831	Sampling. [Minn. R. 7001]
	5.8079.3842	Representative Sampling. The Permittee shall conduct samples and measurements required by this permit as specified in this permit and shall be representative of the discharge or monitored activity. [Minn. R. 7001.0150, subp. 2(B)]
	5.8079.3853	Additional Sampling. If the Permittee monitors more frequently than required, they shall report the results and the frequency of monitoring on their eDMR for that reporting period. [Minn. R. 7001.1090, subp. 1(E)]

5.8079.3864	Certified/Accredited Laboratory. A laboratory accredited by the Minnesota Department of Health [Minn. R. 4740.2010 through Minn. R. 4740.2120] and/or certified by the MPCA [Minn. R. 7001.4310 through Minn. R. 7001.4390] shall conduct analyses required by this permit, unless approved in writing by the MPCA. A certified/accredited laboratory does not need to complete analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine). Those analyses shall comply with 40 CFR pt. 136. Dissolved oxygen, pH, and total residual oxidants must be performed on-site. Follow the manufacturer's specifications for equipment maintenance and use. [Minn. R. 4740.2010-4740.2120, Minn. R. 7001.4310-7001.4390]
5.8079.3875	Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136 and Minn. R. 7041.3200. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]
5.8079.3886	Equipment Calibration. The Permittee shall check and/or calibrate flow meters, pumps, flumes, lift stations, or other flow monitoring equipment used for purposes of determining compliance (within plus or minus ten percent of the true flow values) with permit requirements at least twice annually. [Minn. R. 7001.0150, subp. 2(B & C)]
5.8079.3897	Maintain Records. The Permittee shall keep the records required by this permit for at least three years, including any calculations, original recordings from automatic monitoring instruments, and laboratory sheets. The Permittee shall extend these record retention periods upon request of the MPCA. The Permittee shall maintain records for each sample and measurement. The records shall include the following information: A. The exact place, date, and time of the sample or measurement; B. The date and time of analysis; C. The name of the person who performed the sample collection, measurement, analysis, or calculation; D. The analytical techniques, procedures, and methods used; and E. The results of the analysis. [Minn. R. 7001.0150, subp. 2(C)]
5.8079.39088	Completing Reports. The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The Permittee shall record the information in the specified areas on those forms and in the units specified. Required forms may include a Sample Values Form. If required, the Permittee shall record individual values for each sample and measurement on the Sample Values Form provided by the MPCA. The Permittee shall submit Sample Values Form with the appropriate eDMRs. The Permittee may design and use their own Sample Values Form; however, the Permittee shall not use their form until the MPCA reviews and approves the form. Note: The Permittee shall also record required summary information on their eDMR. Permittee submitted summary information contained only on the Sample Values Form does not comply with reporting requirements. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.1090, subp. 1(D)]
5.8079.39189	Submitting Reports. The Permittee shall submit eDMRs, Sample Values Forms, and other supplemental attachment forms via MPCA e-Services after the MPCA approves their authorization request. The Permittee shall electronically submit eDMRs, Sample Values Forms, and other supplemental attachment forms by the 21st day of the month following the sampling period or otherwise as specified in this permit. The Permittee shall complete eDMR submittal on or before 11:59 p.m. of the 21st day of the month following the sampling period or as otherwise specified in this permit. The Permittee shall submit an eDMR for each required station even if no discharge occurred during the reporting period. The Permittee shall submit other reports required by this permit electronically. The Permittee shall submit reports by the date specified in this permit. The Permittee shall submit on or before 11:59 p.m. on the date specified in this permit.

	Electronically: wq.submittals.mPCA@state.mn.us Include Water quality submittals form: www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx . [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]
5.8079.3929	Incomplete or Incorrect Reports. The Permittee shall immediately submit an electronically amended report or eDMR to the MPCA upon discovery by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or eDMR. The amended report or eDMR shall contain the missing or corrected data along with a comment on the eDMR explaining the circumstances of the incomplete or incorrect report. If it is impossible to amend the report or eDMR electronically, the Permittee shall immediately notify the MPCA and the MPCA will provide direction for the amendment submittals. [Minn. R. 7001.0150, subp. 3(G)]
5.8079.3934	Required Signatures. The Permittee or the duly authorized representative of the Permittee shall sign all eDMRs, forms, reports, and other documents submitted to the MPCA per Minn. R. 7001.0150, subp. 2(D). The person or persons who sign the eDMRs, forms, reports, or other documents shall certify that he or she understands and complies with the certification requirements of Minn. R. chs. 7001.0070 and 7001.0540, including the penalties for submitting false information. A registered professional engineer shall certify technical documents, such as design drawings and specifications, and engineering studies submitted as part of a permit application or by permit conditions. [Minn. R. 7001.0540]
5.8079.3942	Reporting Limit (RL). The Permittee shall report monitoring results below the RL of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, the Permittee shall report the concentration as "< 0.1 mg/L." The Permittee shall not use "non-detected," "undetected," "below detection limit," or "zero" when reporting results. The MPCA considers these terms as permit reporting violations. Where sample values are less than the RL and the permit requires reporting of an average, the Permittee shall calculate the average as follows: A. If some values are less than (<) the RL, substitute zero for all non-detectable values to use in the average calculation; B. If all values are less than (<) the RL, calculate the average and report as < the RL average concentration; and C. To calculate a mass loading with a less than (<) the RL concentration, use the RL value in the calculation and then add the "<" to the product of the concentration and the volume. [Minn. R. 7001.0150, subp. 2(B)]
5.8079.3953	Records. The Permittee shall, when requested by the MPCA, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the permit or regarding the conduct of the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(H)]
5.8079.3964	Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subd. 2, all reports required by this permit are available for public inspection. The MPCA does not consider effluent data confidential. To request the MPCA maintain data as confidential, the Permittee shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]
5.8079.3975	Noncompliance and Enforcement. [Minn. R. 7001]
5.8079.3986	Subject to Enforcement Action and Penalties. Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. ch. 115.071 and 116.072, including monetary penalties, imprisonment, or both. [Minn. R. 7001.1090, subp. 1(B)]
5.8079.3997	Criminal Activity. The Permittee shall not knowingly make a false statement, representation, or certification in a record or other document submitted to the MPCA. A person who falsifies a report or document submitted to the MPCA, or tampers with, or knowingly renders inaccurate a

	monitoring device or method that requires maintenance under this permit is subject to criminal and civil penalties provided by federal and state law. [Minn. R. 7001.0150, subp. 3(G), Minn. R. 7001.1090, subp. 1(G & H), Minn. Stat. ch. 609.671, subd. 1]
5.8079.400398	Noncompliance Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [40 CFR 122.41(c)]
5.8079.401399	Effluent Violations. If sampling by the Permittee indicates a violation of any discharge limitation specified in this permit, the Permittee shall immediately make every effort to verify the violation by collecting additional samples, if appropriate, investigate the cause of the violation, and take action to prevent future violations. If the Permittee discovers that noncompliance with a condition of the permit occurred and that the noncompliance could endanger human health, public drinking water supplies, or the environment, the Permittee shall within 24 hours of the discovery of the noncompliance orally notify the Commissioner and submit a written description of the noncompliance within five days of the discovery. If the Permittee discovers other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the Permittee shall report the description of noncompliance within 30 days of the discovery. If no eDMR is required within 30 days, the Permittee shall submit a written report including the description of noncompliance within 30 days of the discovery of the noncompliance. This description shall include the following information: A. A description of the event including volume, duration, monitoring results, and receiving waters; B. The cause of the event; C. The steps taken to reduce, eliminate, and prevent reoccurrence of the event; D. The exact dates and times of the event; and E. Steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, subp. 3(K)]
5.8079.4020	Upset Defense. In the event of temporary noncompliance with applicable effluent limitation(s) resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, the Permittee has an affirmative defense to an enforcement action brought by the MPCA as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence: A. The specific cause of the upset; B. That the upset was unintentional; C. That the upset resulted from factors beyond the reasonable control of the Permittee and did not result from operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or increases in production which are beyond the design capability of the treatment facilities; D. That at the time of the upset the facility was being properly operated; E. That the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1(I); and F. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3(J). [Minn. R. 7001.1090]
5.8079.4034	Release. [Minn. R. 7001]
5.8079.4042	Unauthorized Releases of Wastewater Prohibited. This permit prohibits overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, except for discharges from outfalls specifically authorized by this permit. The MPCA will consider the Permittee's compliance with permit requirements, frequency of release, quantity, type, location, and other relevant factors when determining appropriate action. [40 CFR 122.41, Minn. Stat. ch. 115.061]

5. 8079.40 <u>53</u>	Discovery of a Release. Upon discovery of a release, the Permittee shall: A. Take all reasonable steps to immediately end the release; B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon discovery of the release. The Permittee may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area); and C. Recover as rapidly and as thoroughly as possible all substances and materials released or immediately take other action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If the Permittee cannot immediately or completely recover the released materials or substances, the Permittee shall contact the MPCA. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies (such as the Minnesota Department of Natural Resources and/or the Wetland Conservation Act authority) for implementation of additional clean up or remediation activities in wetland or other sensitive areas. [Minn. R. 7001.1090]
5. 8079.40 <u>64</u>	Sampling of a Release. Upon discovery of a release, the Permittee shall: A. Collect representative samples of the release. The Permittee shall sample the release for permitted effluent parameters and other parameters of concern immediately following discovery of the release. The Permittee may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, the Permittee shall collect fecal coliform bacteria samples where the Permittee determines that the release contains or may contain sewage. If the Permittee cannot immediately stop the release, the Permittee shall consult with the MPCA regarding additional sampling requirements. The Permittee shall collect samples at least, but not limited to, two times per week for as long as the release continues; and B. Submit the sampling results on the Release Report located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports. The Permittee shall submit the Release Report to the MPCA with the next eDMR or within 30 days, whichever is sooner. [Minn. R. 7001.1090]
5. 8079.40 <u>75</u>	Bypass. [Minn. R. 7001]
5. 8079.40 <u>86</u>	Anticipated Bypass. The Permittee may allow any bypass to occur that does not cause effluent limitation exceedances, but only if the bypass is for essential maintenance to assure efficient operation of the facility. The Permittee shall submit prior notice to the MPCA at least ten days before the date of the bypass, if possible. The notice of the need for an anticipated bypass shall include the following information: A. The proposed date and estimated duration of the bypass; B. The alternatives to bypassing; and C. A proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, the Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. [40 CFR 122.41(m)(2 & 3), Minn. R. 7001.1090, subp. 1(J)]
5. 8079.40 <u>97</u>	This permit prohibits all other bypasses. The MPCA may take enforcement action against the Permittee for a bypass, unless the specific conditions described in Minn. R. 7001.1090 subp. 1(K) and 40 CFR 122.41(m)(4)(i) are met. In the event of an unanticipated bypass, the Permittee shall: A. Take all reasonable steps to immediately end the bypass; B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon commencement of the bypass. The Permittee may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area); C. Immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies for implementation of abatement, clean up, or remediation activities; and D. Only allow bypass wastewater as specified in this section to enter waters of the state from

	outfalls specifically authorized by this permit. The Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. The Permittee shall also follow the reporting requirements for effluent violations as specified in this permit. [40 CFR 122.41(m)(4)i, Minn. R. 7001.1090, subp. 1(K), Minn. Stat. ch. 115.061]
5. 8079.41 098	Operation and Maintenance. [Minn. R. 7001]
5. 8079.41 109	The Permittee shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, subp. 3(F)]
5. 8079.41 29	In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. The Permittee shall continue this control or curtailment until they restore facility treatment processes or until the Permittee provides an alternative method of treatment. [Minn. R. 7001.1090, subp. 1(C)]
5. 8079.41 34	Solids Management. The Permittee shall properly store, transport, and manage biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or groundwaters of the state. The Permittee shall manage solids in accordance with local, state, and federal requirements. [40 CFR 503, Minn. R. 7041]
5. 8079.41 42	Scheduled Maintenance. The Permittee shall schedule maintenance of the treatment works during non-critical water quality periods to prevent water quality degradation, except where the facility requires emergency maintenance to prevent a condition that would be detrimental to water quality or human health. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]
5. 8079.41 53	Control Tests. The Permittee shall conduct in-plant control tests at a frequency adequate to ensure compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]
5. 8079.41 64	Changes to the Facility or Permit. [Minn. R. 7001]
5. 8079.41 75	Permit Modifications. Except as provided under Minn. Stat. ch. 115.07, subd. 1 and 3, no person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted, nor shall a person commence an activity for which a permit is required by statute or rule until the MPCA issues a written permit for the facility or activity. Permittees that propose to make changes to the facility or discharge that requires permit modification shall follow Minn. R. 7001.0190. If the Permittee cannot determine whether the proposed changes require a permit modification, the Permittee shall contact the MPCA prior to any action. The MPCA recommends that Permittees submit the application for permit modification to the MPCA at least 180 days prior to the planned change. [Minn. R. 7001.0030]
5. 8079.41 86	This permit does not require plans, specifications, and MPCA approval when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, Permittees can replace a broken pipe, lift station pump, aerator, or blower with the same design-sized equipment without MPCA approval. If this permit does not expressly authorize the Permittee proposed construction, the MPCA may require a permit modification. If the proposed construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until the MPCA issues a negative declaration and the Permittee receives or implements all approvals. [Minn. R. 7001.0030]
5. 8079.41 97	Report Changes. The Permittee shall give advance notice as soon as possible to the MPCA of any substantial changes in operational procedures, activities that may alter the nature or frequency of

		the discharge, and/or material factors that may affect compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(M)]
	5.8079.42018	Chemical Additives. The Permittee shall receive prior written approval from the MPCA before increasing the use of a chemical additive authorized by this permit, or using a chemical additive not authorized by this permit, in quantities or concentrations that have the potential to change the characteristics, nature, and/or quality of the discharge. The Permittee shall request approval for an increase or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increase or new use. The Permittee shall include at least the following information for the proposed additive as instructed in the chemical additive approvals section on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information: A. The process for which the additive will be used; B. Safety Data Sheet (SDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill, or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean; C. A complete product use and instruction label; D. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the SDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, the Permittee shall contact the supplier to have this information provided); and E. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use. Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. This permit may be modified to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements. Approval for the use of an additive shall not justify the exceedance of any effluent limitation nor shall it be used as a defense against pollutant levels in the discharge causing or contributing to the violation of a water quality standard. [Minn. R. 7001.0170]
	5.8079.42119	MPCA Initiated Permit Modification, Suspension, or Revocation. The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance of this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]
	5.8079.4220	Total Maximum Daily Load (TMDL) Impacts. The MPCA may require facilities that discharge to an impaired surface water, watershed, or drainage basin to comply with additional permits or permit requirements. These requirements can include additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR ch. 122.44(l)(2)(i), necessary to ensure consistency with the assumptions and requirements of any applicable EPA approved wasteload allocations resulting from TMDL studies. [40 CFR 122.44(l)(2)(i)]
	5.8079.4231	Permit Transfer. This permit is not transferable to any person without the express written approval of the MPCA after compliance with the requirements of Minn. R. 7001.0190. A person who receives permit transference shall comply with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(N)]
	5.8079.4242	Facility Closure. The Permittee is responsible for closure and post-closure care of the facility. The Permittee shall notify the MPCA of a significant reduction or cessation of the activities described in this permit at least 180 days before the reduction or cessation. The MPCA may require the Permittee to provide a Facility Closure Plan to the MPCA for approval. The MPCA may require a permit modification or reissuance for facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface

		or groundwater. The MPCA may require the Permittee to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care, and remedial action at the facility. If the MPCA requires financial assurance, the MPCA shall approve the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance. [Minn. Stat. ch. 116.07, subd. 4]
	5.8079.4253	Permit Reissuance. If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for permit reissuance: Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]
	5.8079.4264	If the Permittee does not intend to continue the activities authorized by this permit after the expiration date of this permit, the Permittee shall notify the MPCA in writing at least 180 days before permit expiration. If the Permittee has submitted a timely application for permit reissuance, the Permittee may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following: A. The Permittee is not in substantial compliance with the requirements of this permit, or with a stipulation agreement or compliance schedule designed to bring the Permittee into compliance with this permit; B. The MPCA, as a result of an action or failure to act by the Permittee, has been unable to take final action on the application on or before the expiration date of the permit; or C. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies. [Minn. R. 7001.0040, Minn. R. 7001.0160]

5. Submittal action summary

SD 001	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	6.1.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		Priority Pollutant Requirements
	6.2.2	The Permittee shall monitor priority pollutants four times per year for the life of the permit for the following specified priority pollutants and thus shall submit a quarterly report: Due quarterly. [Minn. R. 7001]
SD 002	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	6.3.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		Priority Pollutant Requirements
	6.4.2	The Permittee shall monitor priority pollutants four times per year for the life of the permit for the following specified priority pollutants and thus shall submit a quarterly report: Due quarterly. [Minn. R. 7001]
SD 003	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	6.5.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
		Acute Toxicity Requirements
	<u>6.6.2</u>	<u>The Permittee shall submit annual acute toxicity test battery results : Due 180 calendar days after Permit Issuance Date annually thereafter. [Minn. R. 7001]</u>
		Chronic Toxicity Requirements
	<u>6.76.32</u>	The Permittee shall submit annual chronic toxicity test battery results: Due 180 calendar days after Permit Issuance Date annually thereafter. [Minn. R. 7001]
SD 009	Stormwater, Non-specific Runoff	
		Surface Discharge: Industrial Stormwater Sector K Requirements
	<u>6.87.1</u>	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 010	Stormwater, Non-specific Runoff	

		Facility Specific Limit and Monitoring Requirements
	6. 98 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 011	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6. 109 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 012	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 10 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 013	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 24 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 014	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 32 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 015	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 43 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 016	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 54 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 017	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 65 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

SD 018	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 7 6.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 019	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 8 7.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 020	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.1 9 8.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 021	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6. 20 19.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 022	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 1 9.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 023	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 2 1.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 024	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 3 2.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 025	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements

	6.2 43 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 026	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 54 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 027	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 65 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 028	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 76 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 029	Stormwater, Non-specific Runoff	
		Facility Specific Limit and Monitoring Requirements
	6.2 87 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<u>SD 030</u>	<u>Stormwater, Non-specific Runoff</u>	
		Facility Specific Limit and Monitoring Requirements
	<u>6.29.1</u>	<u>The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]</u>
<u>SD 031</u>	<u>Stormwater, Non-specific Runoff</u>	
		Facility Specific Limit and Monitoring Requirements
	<u>6.30.1</u>	<u>The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]</u>
SW 001	Stream/River/Ditch, Upstream	
		Facility Specific Limit and Monitoring Requirements
	6. 31 28 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

SW 002	Stream/River/Ditch, Downstream	
		Facility Specific Limit and Monitoring Requirements
	6.3 22 9.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SW 003	Stream/River/Ditch, Upstream	
		Facility Specific Limit and Monitoring Requirements
	6.3 30 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SW 004	Stream/River/Ditch, Downstream	
		Facility Specific Limit and Monitoring Requirements
	6.3 41 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 001	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.3 52 .1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 002	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.3 63 .1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.3 74 .1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 004	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.3 85 .1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 005	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements

	6.3 9 6.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 006	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 0 37.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 007	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 1 38.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 008	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 2 39.1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 009	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 3 0.1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 010	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 4 1.1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 011	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 5 2.1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 012	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 6 3.1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

WS 013	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 74 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 014	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 85 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 015	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.4 96 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 016	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 047 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 017	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 148 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 018	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 249 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 019	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 30 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 020	Intermediate: WW to Land	
		Facility Specific Limit and Monitoring Requirements

	6.5 41 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 021	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 52 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 022	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 63 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 023	Intermediate: WW to Land	
		Facility Specific Limit and Monitoring Requirements
	6.5 74 .1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 024	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 85 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 025	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.5 96 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 026	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6. 60 57 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
WS 027	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6. 61 58 .1	The Permittee shall submit an annual DMR: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

MN0001449	3M Cottage Grove Center	
		Compliance Schedule
	6. 62 59.1	As soon as possible and no later than April March 30 1 , 2025, the Permittee shall complete construction of the proposed advanced wastewater treatment system. The Permittee shall submit a notice of initiation of operation no later than within 90 days of initiating startup operations. The Permittee shall submit notice of initiation of operation: Due 06/30/2025. [Minn. R. 7001]
	6.59.2	The facility shall attain compliance with final effluent limits: Due 12/31/2026 for the advanced treatment system. [Minn. R. 7001]
	6. 62 59. 23	The Permittee shall submit an annual progress report: Due annually following permit issuance The progress report shall discuss actions taken during the calendar year in order to meet the final compliance schedule date. <u>Submission of this annual progress report is no longer required once the compliance schedule date has been met.</u> [Minn. R. 7001]
	6. 62 59. 34	<u>The Permittee shall submit as-built drawings for treatment components 1-6 described in the Proposed Advanced Wastewater Treatment System section above.</u> The Permittee shall submit as-built drawings: Due 1006/2730 2027. [Minn. R. 7001]
	6. 62 59. 45	Final Effluent Limits for PFBS and, PFBA, and PFHxA The Permittee shall attain compliance with final effluent limitations for PFBS and , PFBA, and PFHxA (Phases 3 and 4) at SD 001 and PFBS at SD 002 as prescribed by the conditions in this permit <u>as soon as possible and</u> by no later than April December 30 1 , 202 7 6 . The Permittee shall attain compliance with final effluent limits: Due 412/301 202 7 6 . Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for PFBS, and PFBA, and PFHxA (Phases 1 and 2). [Minn. R. 7001]
	6. 62 59. 56	Final Effluent Limits for PFOS, PFOA, and PFHxS The Permittee shall attain compliance with final effluent limitations for PFOS, PFOA, and PFHxS (Phases 3 and 4) at SD 001 and SD 002 as prescribed by the conditions in this permit <u>as soon as possible and</u> by no later than April December 30 1 , 202 7 6 , unless the Permittee requests by <u>no later than November</u> October 31, 2026, a modification of this compliance schedule or other appropriate provisions of the permit (with supporting documentation), based on its determination that the limits and associated compliance demonstration for PFOS and/or PFOA and/or PFHxS are not consistently attainable with the advanced wastewater treatment system. <u>This compliance schedule and all other provisions of the permit remain in effect unless and until MPCA formally modifies (following receipt of the Permittee's application for permit modification) the permit in accordance with 40 CFR pt. 124.5.</u> The Permittee shall attain compliance with final effluent limits: Due 412/301 202 7 6 . Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for PFOS, PFOA, and PFHxS (Phases 1 and 2). [Minn. R. 7001]
	6.62.6	<u>By no later than twelve months after permit issuance, the Permittee shall report progress made in attaining compliance with the final effluent limitations for PFBS, PFBA, PFOS, PFOA, and PFHxS (Phases 3 and 4) at SD 001 and SD 002. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>

6.6259.7	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>No later than</u>By twelve months after permit issuance, and annually thereafter, the Permittee shall report <u>planned and implemented</u> progress made in attaining compliance with the final effluent limitations for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The Permittee shall submit an annual progress report: Due annually following permit issuance. [Minn. R. 7001]
6.6259.8	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>No later than</u>By 24 months after permit issuance, the Permittee shall submit a report that describes wastewater treatment technology upgrades, operation and management practices, or source control measures for attaining compliance with the final effluent limitations for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The report must include a description of the measure(s) determined to meet the final effluent limitations. <u>The report must also describe planned and implemented pollutant mitigation strategies and progress towards implementation of the planned strategies.</u> The Permittee shall submit a report: Due by two years after permit issuance. [Minn. R. 7001]
6.6259.9	Final Effluent Limits for Antimony, Cadmium, Mercury, Selenium, and Bis(ethylhexyl)phthalate <u>As soon as possible and no later than</u>By five years after permit issuance, the Permittee shall complete the construction or implementation of the selected treatment system or other method and attain compliance with the final effluent limits for antimony, cadmium, mercury, selenium, and bis(ethylhexyl)phthalate (Phase 4) at SD 001 and SD 002. The Permittee shall attain compliance with final effluent limits: Due by permit expiration. Prior to final effluent limits becoming effective, the Permittee shall meet the applicable interim limits established for the above parameters (Phases 1, 2, and 3). [Minn. R. 7001]
6.6259.10	ISTS Systems As soon as possible and no later than October 31, 2027, the Permittee shall have the five systems associated with B30, B64, B66, B108, and B142 connected to the main wastewater treatment system and/or a pump and haul system in place with the requisite oversight of a certified SSTS maintainer. The Permittee shall submit a completion report certifying to MPCA that all of the referenced systems have been connected to the main wastewater treatment system and/or a pump and haul system and that the land treatment components are no longer in use. The report may be in a format of the Permittee's choosing and include photos, work plans, work receipts, etc. During the interim period of developing a long-term solution, all wastewater from these sites shall be pumped and hauled by a certified SSTS maintainer for treatment. The Permittee shall submit a report: Due 10/31/2027. [Minn. R. 7001]
6.6259.11	ISTS Systems As soon as possible and no later than October 31, 2027, the Permittee shall have the trap range shelter system connected to a holding tank. The tank contents shall be pumped and hauled to the main wastewater treatment system. The Permittee shall submit a completion report certifying to MPCA that the trap range shelter system has been connected to a holding tank and the land treatment component is no longer in use. The report may be in a format of the Permittee's choosing and include

		photos, work plans, work receipts, etc. During the interim period of developing a long-term solution, all wastewater from this site shall be pumped and hauled by a certified SSTS maintainer for treatment. The Permittee shall submit a report: Due 10/31/2027. [Minn. R. 7001]
	<u>6.62.12</u>	ISTS Systems <u>By no later than twelve months after permit issuance, the Permittee shall submit a progress report detailing the actions taken thus far and the actions planned to meet the final compliance schedule date for the ISTS systems above. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>
	<u>6.62.59.132</u>	Flow Monitoring at SW 001 Flow monitoring (once per day) is required to be conducted at surface water station SW 001. By <u>no later than</u> one year after permit issuance, the Permittee shall have installed a flow monitoring device at station SW 001 so daily flow monitoring may be conducted. The Permittee shall notify the MPCA once installation is complete and the device is operational. Flow monitoring and eDMR reporting of flow (Phases 2, 3, and 4) will become effective once the MPCA receives notification. The Permittee shall submit notice of equipment installation: Due by one year after permit issuance. [Minn. R. 7001]
	<u>6.62.14</u>	Process Flow Monitoring <u>By no later than 24 months after permit issuance, the Permittee shall install and operate flow monitoring equipment to monitor the flows generated by each of its process wastewater streams prior to any comingling. The flow monitoring equipment must be capable of indicating, totalizing, and recording flow data from each of the Permittee's process wastewater streams. The types and locations of flow monitoring equipment must be sufficient to characterize the flows contributed by the organic chemicals, plastics, and synthetic fibers (OCPSF) waste stream and each type of process, operation, or production area which contributes wastewater to the effluent for each outfall (40 CFR pt. 414). In accordance with 40 CFR pt. 122.21(g)(3) and Section 3 of EPA form 3510-2C, flow information shall be included in the next permit application for reissuance. The Permittee shall submit notice of equipment installation: Due by two years after permit issuance. [Minn. R. 7001]</u>
	<u>6.62.15</u>	<u>By no later than twelve months after permit issuance, the Permittee shall submit a Process Flow Monitoring Progress Report detailing the progress made toward installing the flow monitoring equipment described above. The Permittee shall submit a progress report: Due by one year after permit issuance. [Minn. R. 7001]</u>
	<u>6.62.59.163</u>	Phase 3 Treatment Train The Permittee shall submit quarterly progress reports detailing its intentions and plan for <u>the</u> Phase 3 Treatment Train water. The Permittee shall submit a progress report: Due by the end of each calendar quarter following permit issuance. [Minn. R. 7001]
		Special Requirements
	<u>6.630.174</u>	Annual PFAS Certification Statement The Permittee shall submit an Annual PFAS Certification Statement <u>no later than</u> January 21 of each year. Certification statements shall certify that the Permittee is monitoring for all PFAS believed to be present in its water(s) based upon but not limited to the following: A. A review of stormwater and wastewater discharge characteristics from other Permittee PFAS manufacturing facilities;

		B. A review of both targeted and non-targeted analysis of stormwater and wastewater; and C. A review of PFAS analysis in air, rooftop, and other potential stormwater sources. The Permittee shall submit a certification statement: Due by January 21 of each year following permit issuance. [Minn. R. 7001]
	6.630.185	Annual PFAS Source Identification and Reduction Report The Permittee shall submit an Annual PFAS Source Identification and Reduction Report <u>no later than by AprilMarch 301</u> of each year. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued. Each</u>The report shall contain a detailed account for the most likely/probable source of each PFAS compound found in the facility's discharge(s), what source reduction and/or elimination efforts the Permittee has taken in the prior calendar year, and corrective actions planned for the future. The Permittee shall submit a PFAS source identification and reduction report: Due annually, by the <u>30th1st</u> of <u>AprilMarch</u>. [Minn. R. 7001]
	6.630.196	Annual Laboratory Analytical Method Report The Permittee shall submit an Annual Laboratory Analytical Method Report <u>by no later than by AprilMarch 301</u> of each year. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued. Each</u>The report shall identify the laboratory analytical methods, method detection and reporting limits, and reference standards for the PFAS it currently or historically has had the capability of quantifying for in wastewater, surface water, fish tissue, and groundwater. The report shall identify the year that each existing method was first developed. This report shall also include research into new PFAS compounds methodology capable of detecting PFAS to the minimum reporting levels available. The Permittee shall submit an annual report: Due annually, by the <u>30th1st</u> of <u>AprilMarch</u>. The annual report shall include but not be limited to method development status of the following PFAS compounds: (FHSAA) - CAS # 1003193-99-4 (6:2 FTA) - CAS# 1383438-86-5 (2,2,3,3,5,5,6,6- Octafluoro-4-[1,2,2- trifluoro-2-(2,2,2-trifluoroethoxy)ethyl]morpholine (PFAS compound)) - CAS # 1600-71-1 (TBBP or TBMOPP) - CAS # 332350-90-0 (2-FPDA) - CAS# 473-87-0 (3,5-Bis(heptafluoropropyl)-1H-1,2,4-triazole (C8HF14N3)) - CAS# 709-62-6 (N-TamP-FhxSA) - CAS# 38850-51-0 (C10H3F18NO2) (C13H3F18N3O4) (C15H21F13N2O2S) (Methyl 2-[[bis(trifluoromethyl)amino]-difluoromethyl]-2,3,3,3-tetrafluoropropanoate (C7H3F12NO2)) (MeFBSEA) - CAS# 67584-55-8. [Minn. R. 7001]
	6.63.20	Lab Certification/Accreditation <u>In accordance with requirement 5.80.386 (Certified/Accredited Laboratory), all data analyses required by this permit must be conducted by a laboratory accredited by the Minnesota Department of Health and/or certified by the MPCA, unless approved in writing by the MPCA.</u> - <u>The Permittee is authorized to submit data for analytes of which there are no certified/accredited labs conducting analyses so long as the lab doing the analysis is</u>

		<u>pursuing accreditation. However, once accredited labs are available, analyses for those analytes must be conducted at certified/accredited labs by sending to an outside certified/accredited lab and/or by having the Permittee's lab(s) become certified/accredited.</u> <u>The Permittee shall submit an annual report detailing the progress over the previous calendar year towards having analyses for each analyte required by this permit being conducted at a certified/accredited lab. Note – this information can be submitted within the Annual Laboratory Analytical Method Report or as a separate submittal. If submitted as a part of the Annual Laboratory Analytical Method Report, the cover letter shall clearly state that it contains information responsive to both permit requirements.</u> <u>The Permittee shall submit an annual report: Due annually, by the 30th of April.</u>
	6.630.2117	Annual PFAS Removal and Disposal Report The Permittee must report the annual (Jan-Dec) combined removal of each PFAS compound across all PFAS treatment systems in units of kilograms per year and percent removal. The goal is to quantify the total PFAS captured on all GAC and IX media in one year and explain the methodology by which the quantification was performed. The Permittee must also report where the captured PFAS is sent for disposal and whether that PFAS is fully destroyed. <u>The first such report shall be submitted no later than April 30 of the first full calendar year following the calendar year in which the permit was issued.</u> The Permittee shall submit an annual report: Due annually, by the 30th1st of AprilMarch. [Minn. R. 7001]
	6.630.2218	<u>Non-targeted Analysis (NTA) sampling shall have results submitted to the MPCA within six months of sample collection. At least one (1) Non-targeted Analysis (NTA) Sampling Result Report (including all results) shall be submitted every five years. Non-targeted PFAS analysis shall be conducted on the water required to be monitored at all locations in this permit with discharge capability and no further downstream treatment and at the surface water stations (all stations except for WS 001 – WS 007). All new PFAS compounds identified as being present within the water(s) discharged from the facility shall have a MPCA verified Chemical Abstract Service (CAS) number provided (if available) along with their chemical structure. At least one (1) NTA Sampling Result Report shall be submitted every five years. The Permittee plans to phase out all PFAS manufacturing and processing by the end of 2025. The Permittee shall submit a report: Due by 180 days prior to permit expiration. Any subsequent results/reports shall continue to be submitted every five years while the permit is in effect (even beyond permit expiration, until reissuance where this requirement will have been reassessed).</u> [Minn. R. 7001]
	6.630.2319	<u>No later than</u>By January 1, 2026, the Permittee shall submit a work plan for review and approval by MPCA for an instream PFAS characterization study (Characterization Study) of surface water, sediments, and fish tissue PFAS as outlined in the PFAS Surface Water Monitoring Protocol (Appendix A). If the Permittee would like to request a reduction in sampling from what was in required in the 2023 instream characterization study, they must explain why the reduction is reasonable and needed. The MPCA reserves the right to make any changes to the sampling plan prior to approval. The Permittee shall submit a work plan: Due 01/01/2026. The MPCA will review and approve the work plan by March 1, 2026.
	6.630.240	<u>As soon as possible, but no later than 180 days prior to permit expiration,By January 1, 2028,</u> the Permittee shall submit the results of the instream PFAS characterization study (Characterization Study) of surface water, sediments, and fish tissue for the PFAS as outlined in the Surface Water Monitoring Protocol (Appendix A). The Permittee shall submit sampling results: Due <u>by 180 days prior to permit expiration 01/01/2028.</u> [Minn. R. 7001]

	6.630.251	The Permittee must <u>shall continue to repeat and</u> submit results of the subsequent Characterization Study <u>approved by the MPCA in 5.70.93</u> results every five years <u>for the life of the permit</u> . [Minn. R. 7001]
	6.630.262	The Permittee shall conduct a meeting annually to disclose factual information to the community regarding facility operations, changes made or planned to reduce pollutants in discharges, management of hazardous materials and compliance with environmental permits and regulations. The Permittee shall provide the time, date, location, format, and agenda of the meeting to the public 60 days before the meeting. <u>The Permittee shall submit to the MPCA the agenda and information that is to be presented by no later than one week prior to the meeting. The meeting must be recorded and begin between 6:00 pm and 7:00 pm to allow for maximum public participation. Public notification of the meeting details must include notifying the East Metro area via community newsletters, etc (i.e. Woodbury City Update).</u> The Permittee shall hold a meeting: Due annually, by the 31st of December. Submit a written notification <u>along with the recording</u> following each meeting. [Minn. R. 7001.0150, subp. 2, Minn. Stat. ch. 115.03, subd. 1(2), Minn. Stat. ch. 115.03, subd. 1(8)]
	6.630.273	<u>No later than</u> Within 60 days after <u>of</u> permit issuance, the Permittee shall submit its current version of a Foam Release, Detection, and Recovery (FRDR) Plan for review and approval. The Permittee shall immediately implement and comply with the FRDR plan version submitted for approval by MPCA once approved by MPCA. The Permittee shall submit a plan: Due by 60 days after permit issuance. [Minn. R. 7001]
	6.630.284	Underground Piping Integrity Plan The Permittee shall submit an implementation plan <u>no later than</u> within 90 days after permit issuance detailing the following: A. Timeline (maximum of three years for high priority/high risk pipes and maximum of ten years for all other pipes) for assessing condition of all underground piping conveying water at the facility; B. Timeline (maximum of one year) for restoring integrity of any underground piping found to have defects allowing either infiltration or exfiltration of water; and C. Maps, drawings, and diagrams along with methods for both pipe assessment and restoration of integrity. High priority/high risk pipes include but are not limited to (Reference: Cottage Grove Sewer Operations and Maintenance Manual dated July 28, 2023 Revision 0): Chem Sewer Phase 1 Group 3 Sanitary Sewer Group 1 Sanitary Sewer Group 2 Sanitary Sewer Group 3 Chem Sewer Phase 1 Group 2 Storm Sewer Group 2 Storm Sewer Group 3 Chem Sewer Phase 2 Group 3 The Permittee shall submit a plan: Due by 90 days after permit issuance. [Minn. R. 7001]
	6.630.295	Annual Underground Piping Report The Permittee shall submit an Annual Underground Piping Report <u>no later than</u> by March 31 of each year. The report shall include findings (e.g. including but not limited to televising footage) and summaries of actions taken responsive to the Underground Piping Integrity Plan. The Permittee shall submit an annual report: Due annually, by the 31st of March. [Minn. R. 7001]

6.630.3026	RO & IX O&M Manuals <u>No later than</u>Within 60 days after the <u>associated system stabilization, optimization, and conduct(s) reliability testing dates in 5.69.54-advanced wastewater treatment system start-up date</u>, the Permittee shall submit its <u>IX on eExchange (IX) operations and maintenance (O&M) manuals</u>. The O&M manuals shall contain a dedicated section highlighting the PFAS breakthrough monitoring, procedures, breakthrough thresholds/determination procedure and response procedure. The Permittee shall immediately implement and comply with the IX O&M manualsand submit a revised version within 365 days of any future revisions being made. <u>The most up-to-date versions of the manuals shall be available to the MPCA upon request</u>. The Permittee shall submit an operations and maintenance (O & M) manual: Due 05/31/2025. [Minn. R. 7001]
6.630.3127	BLD 92 & BLD 185 GAC O&M Manual <u>No later than</u>Within 60 days after permit issuance, the Permittee shall submit its current GAC O&M manual(s) for each building that contains the GAC treatment technology. The O&M manual(s) shall contain a dedicated section highlighting the PFAS breakthrough monitoring, <u>procedure and the activated carbon changeout proceduress, breakthrough thresholds/determination procedure and response procedure</u>. The Permittee shall immediately implement and comply with the GAC O&M manual(s)and submit revised versions within 30 days of any future revisions being made. <u>The most up-to-date versions of the manuals shall be available to the MPCA upon request</u>. The Permittee shall submit an operations and maintenance (O & M) manual: Due by 60 days after permit issuance. [Minn. R. 7001]
6.63.32	Building 150/151 GAC O&M Manual <u>No later than 60 days after the associated system stabilization, optimization, and conduct(s) reliability testing dates in 5.69.54</u> the Permittee shall submit its GAC O&M manual(s). The O&M manual(s) shall contain a dedicated section highlighting the <u>PFAS breakthrough monitoring procedures, breakthrough thresholds/determination procedure and response procedure</u>. The Permittee shall immediately implement and comply with the GAC O&M manual(s). <u>The most up-to-date versions of the manuals shall be available to the MPCA upon request</u>. The Permittee shall submit an <u>operations and maintenance (O & M) manual: Due 05/31/2025. [Minn. R. 7001]</u>
6.630.3328	WWTP O&M Manual <u>No later than</u>Within <u>1860</u> days after permit issuance the Permittee shall submit its Wastewater Treatment Plant (WWTP) O&M manual <u>covering the treatment units that comprise the Phase 1, Phase 2, and Phase 3 treatment trains</u>. The WWTP O&M manual shall contain a dedicated section highlighting the PFAS breakthrough monitoring, <u>procedures, breakthrough thresholds/determination procedure</u> and response procedure. The Permittee shall immediately implement and comply with the WWTP O&M manualand submit a revised version within 30 days of any future revisions being made. <u>The most up-to-date version of the manual shall be available to the MPCA upon request</u>. The Permittee shall submit an operations and maintenance (O & M) manual: Due by <u>1860</u> days after permit issuance. [Minn. R. 7001]
6.630.3429	<u>As soon as possible and no later than September 30, 2024</u>, the Permittee shall submit the currently in-effect editions/revisions of O&M manuals for all PFAS treatment technology buildings and equipment at its facility. The manuals shall specify the control system alarms and setpoints. The Permittee shall submit an operations and maintenance (O & M) manual: Due 09/30/2024. [Minn. R. 7001] PFAS Treatment Technology Buildings

		<u>No later than 90 days after permit issuance, the Permittee shall submit the following:</u> <u>A.The currently in effect editions/revisions of O&M manuals for all PFAS treatment technology buildings and equipment at its facility. The manuals shall specify the control system alarms and setpoints.</u> <u>B.The currently in effect editions/revisions of Standard Operating Procedures (SOPs) for all PFAS treatment technology buildings and equipment at its facility.</u> <u>C.The currently in effect editions/revisions of Operator Forms for all PFAS treatment technology buildings and equipment at its facility.</u> <u>The Permittee shall submit a submittal: Due by 90 days after permit issuance. [Minn. R. 7001]</u>
	6.60.30	<u>As soon as possible and no later than September 30, 2024, the Permittee shall submit the currently in effect editions/revisions of Standard Operating Procedures (SOPs) for all PFAS treatment technology buildings and equipment at its facility. The Permittee shall submit a submittal: Due 09/30/2024. [Minn. R. 7001]</u>
	6.60.31	<u>As soon as possible and no later than September 30, 2024, the Permittee shall submit the currently in effect editions/revisions of Operator Forms for all PFAS treatment technology buildings and equipment at its facility. The Permittee shall submit a submittal: Due 09/30/2024. [Minn. R. 7001]</u>
	6.630.352	Annual O&M Deviation & WWTP Optimization Report The Permittee shall submit an Annual O&M Deviation & WWTP Optimization Report <u>no later than by</u> March 31 of each year. The report shall include all instances of <u>effluent and intervention limit exceedances and what actions, if any, were taken to address them at any stations where and when related O&M deviations (e.g. including but not limited to carbon and IX changeouts not occurring prior to breakthrough and other set points established in both the IX and GAC O&M manuals) occurred.</u> The report shall also contain an evaluation of the WS 001 - WS 002 PFAS treatment performance relative to the following compounds and thresholds <u>(Daily Max)</u>: PFHpS: 10 ng/L PFHxA: 10 ng/L PFPeS: 9.4 ng/L PFPeA: 10 ng/L PFPrA: 370 ng/L 2233-TFPA: 500 ng/L TFA: 10,700 ng/L TFMS: 25 ng/L <u>PFBS: 71,241 ng/L</u> <u>PFBA (WS 001 only): 686,477 ng/L</u> <u>PFHxS: 0.112 ng/L</u> <u>PFOS: 0.35 ng/L</u> <u>PFOA: 0.426 ng/L</u> If any of the treatment performance thresholds above are not achieved, the report shall address what, if any <u>(e.g. was the exceedance believed to be a false-positive or is there enough results over the daily maximum to warrant investigation and optimization action),</u> optimization steps the Permittee intends on implementing and in accordance with what timeline to achieve the performance thresholds above. <u>The report shall also address the operational decision points the Permittee is using to</u>

		<u>optimize treatment (e.g. including but not limited to carbon and ion exchange changeouts, breakthrough considerations, and other setpoints established in both the ion exchange and granulated activated carbon operations and maintenance manuals). This report should also address any potential operational opportunities to improve treatment performance, as well as address any technical or operational obstacles that may be interfering with optimal performance. If the highest result for treatment performance thresholds is below reporting limits then the performance thresholds are considered achieved.</u> The Permittee shall submit an annual report: Due annually, by the 31st of March. [Minn. R. 7001]
		Industrial Pond System
	6.6 41.363	The Permittee shall submit pond performance evaluation plan: Due by 180 days prior to permit expiration. [Minn. R. 7001]
	6.6 41.374	The Permittee shall submit an industrial pond system report: Due by 180 days prior to permit expiration. [Minn. R. 7001]
	6.6 41.385	The Permittee shall submit a report: Due by 180 days prior to permit expiration. The report shall describe the findings of the inspection of the wastewater treatment ponds, related conveyances, and appurtenances to the pond system at the permitted facility. [Minn. R. 7001]
	6.6 41.396	Based on the inspection, the Permittee shall certify to the MPCA: Due by the end of each calendar five years following permit issuance that the pond system maintains structural integrity, complete containment, and compliance with performance standards in the Stabilization Pond Systems Operations, Maintenance, Management (2013) or most recent version. [Minn. R. 7001]
		Industrial Stormwater Sectors: B: Paper and Allied Products Manufacturing, C: Chemical and Allied Products Manufacturing, E: Glass, Clay, Cement, Concrete, and Gypsum Products, K: Hazardous Waste Treatment, Storage, or Disposal Facilities, P: Land Transportation and Warehousing, T: Treatment Works, V: Textile Mills, Apparel, and Other Fabric Products Manufacturing, and Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries
	6.6 52.4037	The Permittee shall submit a stormwater annual report: Due annually, by the 31st of March of each year following permit issuance. The Permittee shall submit the Annual Report online through the electronic submittal system e-Services. [Minn. R. 7090]
		Total Facility Requirements (NPDES/SDS)
	6.6 63.4138	Permit Reissuance. If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for permit reissuance: Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]

6. Limits and monitoring

The Permittee shall comply with the limits and monitoring requirements as specified below.

Subject item	Parameter	Discharge limitations							Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period		
SD 001 Process & Sanitary Effluent													
SD 001 Process & Sanitary Effluent	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec		
SD 001 Process & Sanitary Effluent	1,1,1-Trichloroethane	0.10 calendar month average	0.25 daily maximum	kilogram s per day		21 calendar month average	54 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec		
SD 001 Process & Sanitary Effluent	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan-Dec		
SD 001 Process & Sanitary Effluent	1,1,2-Trichloroethane	0.10 calendar month average	0.25 daily maximum	kilogram s per day		21 calendar month average	54 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec		
SD 001 Process & Sanitary Effluent	1,1-Dichloroethane	0.10 calendar month average	0.27 daily maximum	kilogram s per day		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec		
SD 001 Process & Sanitary Effluent	1,1-Dichloroethylene (Vinylidene chloride)	0.07 calendar month average	0.11 daily maximum	kilogram s per day		16 calendar month average	25 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec		

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	1,2,4-Trichlorobenzene	<u>0.31</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.64 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		68 calendar month average	140 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,2-Dichlorobenzene (orth-)	<u>0.35</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.74 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		77 calendar month average	163 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,2-Dichloroethane	<u>0.31</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.96 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		68 calendar month average	211 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,2-Dichloroethylene (trans-)	<u>0.10</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.25 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		21 calendar month average	54 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,2-Dichloropropane	<u>0.69</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>1.04 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		153 calendar month average	230 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,3-Dichlorobenzene	<u>0.14</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.20 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		31 calendar month average	44 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,3-Dichloropropene	<u>0.13</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.20 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		29 calendar month average	44 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	1,4-Dichlorobenzene (para-)	<u>0.07</u> <u>calendar</u> <u>month</u> <u>average</u>	<u>0.13 daily</u> <u>maximum</u>	<u>kilogram</u> <u>s per day</u>		15 calendar month average	28 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,4-Dichlorophenol	<u>0.18 calendar month average</u>	<u>0.51 daily maximum</u>	<u>kilogram s per day</u>		39 calendar month average	112 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,4-Dimethylphenol	<u>0.08 calendar month average</u>	<u>0.16 daily maximum</u>	<u>kilogram s per day</u>		18 calendar month average	36 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,4-Dinitrophenol	<u>0.32 calendar month average</u>	<u>0.56 daily maximum</u>	<u>kilogram s per day</u>		71 calendar month average	123 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,4-Dinitrotoluene	<u>0.51 calendar month average</u>	<u>1.29 daily maximum</u>	<u>kilogram s per day</u>		113 calendar month average	285 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2,6-Dinitrotoluene	<u>1.16 calendar month average</u>	<u>2.91 daily maximum</u>	<u>kilogram s per day</u>		255 calendar month average	641 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	2-(N-Ethylperfluorooctanesulfonamido)acetic acid					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	(N-EtFOSAA / NEtFOSAA / EtFOSAA)					month average						
SD 001 Process & Sanitary Effluent	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						th average						
SD 001 Process & Sanitary Effluent	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2-Chlorophenol	<u>0.14</u> calendar month average	<u>0.45 daily maximum</u>	<u>kilogram</u> <u>s per day</u>		31 calendar month average	98 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2-Nitrophenol	<u>0.19</u> calendar month average	<u>0.31 daily maximum</u>	<u>kilogram</u> <u>s per day</u>		41 calendar month average	69 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 113 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 114 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	hydroxypropane-1-sulfonate (PHSA-OH1)											
SD 001 Process & Sanitary Effluent	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 115 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	4,6-Dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	<u>0.35 calendar month average</u>	<u>1.26 daily maximum</u>	<u>kilogram s per day</u>		78 calendar month average	277 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	4-Nitrophenol	<u>0.33 calendar month average</u>	<u>0.56 daily maximum</u>	<u>kilogram s per day</u>		72 calendar month average	124 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic					Monitor only. calendar year month th	Monitor only. daily maximum	nanograms per liter	once per year month th	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	acid (Hydro-PS Acid / PFESA BP 2)					th average						
SD 001 Process & Sanitary Effluent	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Acenaphthene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Acenaphthylene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Acrylonitrile	<u>0.44 calendar month average</u>	<u>1.10 daily maximum</u>	<u>kilogram s per day</u>		96 calendar month average	242 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
<u>SD 001 Process & Sanitary Effluent</u>	<u>Aluminum, Total (as Al)</u>						Monitor only. calendar <u>quarter maximum</u>	<u>micrograms per liter</u>	<u>once per quarter</u>	<u>24-Hour Flow Composite</u>	<u>Mar, Jun, Sep, Dec</u>	
SD 001 Process & Sanitary Effluent	Anthracene	<u>0.10 calendar</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		<u>month average</u>				month average						
SD 001 Process & Sanitary Effluent Phase 1	Antimony, Total (as Sb)						1,044 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Antimony, Total (as Sb)						1,044 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Antimony, Total (as Sb)						1,044 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Antimony, Total (as Sb)					20 calendar month average	53.5 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
<u>SD 001 Process & Sanitary Effluent</u>	<u>Arsenic, Total (as As)</u>						<u>Monitor only, calendar quarter maximum</u>	<u>micrograms per liter</u>	<u>once per quarter</u>	<u>24-Hour Flow Composite</u>	<u>Mar, Jun, Sep, Dec</u>	
SD 001 Process & Sanitary Effluent	Benzene	<u>0.17 calendar month average</u>	<u>0.62 daily maximum</u>	<u>kilogram s per day</u>		37 calendar month average	136 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Benzo(a)anthracene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Benzo(b)fluoranthene	<u>0.10 calendar</u>	<u>0.28 daily maximum</u>	<u>kilogram s per day</u>		23 calendar	61 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		<u>month average</u>				month average						
SD 001 Process & Sanitary Effluent	Benzo(k)fluoranthene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Benzo[a]pyrene	<u>0.10 calendar month average</u>	<u>0.28 daily maximum</u>	<u>kilogram s per day</u>		23 calendar month average	61 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Bis(2-ethylhexyl) phthalate	<u>0.47 calendar month average</u>	<u>1.27 daily maximum</u>	<u>kilogram s per day</u>			73.1 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Bis(2-ethylhexyl) phthalate	<u>0.47 calendar month average</u>	<u>1.27 daily maximum</u>	<u>kilogram s per day</u>			73.1 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Bis(2-ethylhexyl) phthalate	<u>0.47 calendar month average</u>	<u>1.27 daily maximum</u>	<u>kilogram s per day</u>			73.1 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Bis(2-ethylhexyl) phthalate	<u>0.47 calendar month average</u>	<u>1.27 daily maximum</u>	<u>kilogram s per day</u>		3 calendar month average	5.10 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Bisphenol AF (BPAF)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						month average						
SD 001 Process & Sanitary Effluent	BOD, 05 Day (20 Deg C)					24 calendar month average	64 daily maximum	milligrams per liter	3 times per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	BOD, Carbonaceous 05 Day (20 Deg C)	614 calendar month average	Monitor only. maximum calendar week average	kilograms per day		25 calendar month average	40 maximum calendar week average	milligrams per liter	3 times per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Boron, Total (as B)						Monitor only. calendar quarter maximum	micrograms per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent Phase 1	Cadmium, Total (as Cd)						11.8 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Cadmium, Total (as Cd)						11.8 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Cadmium, Total (as Cd)						11.8 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Cadmium, Total (as Cd)					2.5 calendar month average	4.3 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Carbon tetrachloride	<u>0.08 calendar month average</u>	<u>0.17 daily maximum</u>	<u>kilogram s per day</u>		18 calendar month average	38 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chloride, Total						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Chlorobenzene (Monochlorobenzene)	<u>0.07 calendar month average</u>	<u>0.13 daily maximum</u>	<u>kilogram s per day</u>		15 calendar month average	28 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chloroethane	<u>0.47 calendar month average</u>	<u>1.22 daily maximum</u>	<u>kilogram s per day</u>		104 calendar month average	268 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chloroform	<u>0.10 calendar month average</u>	<u>0.21 daily maximum</u>	<u>kilogram s per day</u>		21 calendar month average	46 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chloromethane	<u>0.39 calendar month average</u>	<u>0.86 daily maximum</u>	<u>kilogram s per day</u>		86 calendar month average	190 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chromium, Hexavalent (as Cr)						Monitor only. daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chromium, Total (as Cr)	<u>5.04 calendar month average</u>	<u>12.58 daily maximum</u>	<u>kilogram s per day</u>		1110 calendar month average	2770 daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Chromium, Trivalent (as Cr+3)						Monitor only. daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Chrysene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
<u>SD 001 Process & Sanitary Effluent</u>	<u>Cobalt, Total (as Co)</u>						<u>Monitor only. calendar quarter maximum</u>	<u>micrograms per liter</u>	<u>once per quarter</u>	<u>24-Hour Flow Composite</u>	<u>Mar, Jun, Sep, Dec</u>	
SD 001 Process & Sanitary Effluent	Copper, Total (as Cu)	<u>6.59 calendar month average</u>	<u>15.35 daily maximum</u>	<u>kilogram s per day</u>			68 daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Cyanide, Free (as CN)						Monitor only. daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Cyanide, Total (as CN)	<u>1.91 calendar month average</u>	<u>5.45 daily maximum</u>	<u>kilogram s per day</u>		420 209 calendar month average	1200 420 daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Dibutyl phthalate (Di-n-butyl phthalate)	<u>0.12 calendar month average</u>	<u>0.26 daily maximum</u>	<u>kilogram s per day</u>		27 calendar month average	57 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Dichloromethane (Methylene chloride)	<u>0.18 calendar month average</u>	<u>0.40 daily maximum</u>	<u>kilogram s per day</u>		40 calendar month average	89 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Diethyl phthalate	<u>0.37 calendar</u>	<u>0.92 daily maximum</u>	<u>kilogram s per day</u>		81 calendar	203 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		<u>month average</u>				month average						
SD 001 Process & Sanitary Effluent	Dimethyl phthalate	<u>0.09 calendar month average</u>	<u>0.21 daily maximum</u>	<u>kilogram s per day</u>		19 calendar month average	47 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Ethylbenzene	<u>0.15 calendar month average</u>	<u>0.49 daily maximum</u>	<u>kilogram s per day</u>		32 calendar month average	108 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per week	Grab	Apr-Oct	
SD 001 Process & Sanitary Effluent	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SD 001 Process & Sanitary Effluent	Fluoranthene	<u>0.11 calendar month average</u>	<u>0.31 daily maximum</u>	<u>kilogram s per day</u>		25 calendar month average	68 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Fluorene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Fluorine, Total Organic (TOF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Hardness, Calcium & Magnesium, Calculated (as CaCO3)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Hexachlorobenzene	<u>0.07 calendar month average</u>	<u>0.13 daily maximum</u>	<u>kilogram s per day</u>		15 calendar month average	28 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Hexachlorobutadiene	<u>0.09 calendar month average</u>	<u>0.22 daily maximum</u>	<u>kilogram s per day</u>		20 calendar month average	49 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Hexachloroethane	<u>0.10 calendar month average</u>	<u>0.25 daily maximum</u>	<u>kilogram s per day</u>		21 calendar month average	54 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Lead, Total (as Pb)	<u>1.45 calendar month average</u>	<u>3.13 daily maximum</u>	<u>kilogram s per day</u>		320 calendar month average	690 daily maximum	micrograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-Li)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 124 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Lithium, Total (as Li)						Monitor only. daily maximum	micrograms per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Mercury, Dissolved (as Hg)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Mercury, Total (as Hg)					9.7 calendar month average	16.8 daily maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	N-Ethylperfluorooctanes ulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Naphthalene	<u>0.10 calendar month average</u>	<u>0.27 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Nickel, Total (as Ni)	<u>7.68 calendar month average</u>	<u>18.08 daily maximum</u>	<u>kilogram s per day</u>			480 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Nitrobenzene	<u>0.12 calendar month average</u>	<u>0.31 daily maximum</u>	<u>kilogram s per day</u>		27 calendar month average	68 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 127 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Nitrogen, Ammonia, Total (as N)	27.0 calendar month average		kilogram s per day		1.1 calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Dec-Mar	
SD 001 Process & Sanitary Effluent	Nitrogen, Ammonia, Total (as N)	24.6 calendar month average		kilogram s per day		1.0 calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Apr-Nov	
SD 001 Process & Sanitary Effluent	Nitrogen, Ammonia, Un-ionized (as N)						0.458 daily maximum	milligrams per liter	once per day	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Jan-Dec	
SD 001 Process & Sanitary Effluent	Oil & Grease, Total Recoverable (Hexane Extraction)						10 daily maximum	milligrams per liter	twice per week	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Oxidants, Total Residual						Monitor only. daily maximum	milligrams per liter	twice per year	24-Hour Flow Composite	Mar, Sep	
SD 001 Process & Sanitary Effluent	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3,5-dioxahecanoic acid (PFO2HxA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3,6-dioxaheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						th average						
SD 001 Process & Sanitary Effluent	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Perfluorobutanesulfonic acid (PFBS)						20,782 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Perfluorobutanesulfonic acid (PFBS)						20,782 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Perfluorobutanesulfonic acid (PFBS)	189,8103,394		grams per day		7,7154,208	13,3667,290	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Perfluorobutanesulfonic acid (PFBS)	189,8103,394		grams per day		7,7154,208	13,3667,290	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Perfluorobutanoic acid (PFBA)						288,125 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent Phase 2	Perfluorobutanoic acid (PFBA)						288,125 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Perfluorobutanoic acid (PFBA)	1,829,861, 622 calendar month average		grams per day		74,3443 5,068 calendar month average	128,79560, 752 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Perfluorobutanoic acid (PFBA)	1,829,861, 622 calendar month average		grams per day		74,3443 5,068 calendar month average	128,79560, 752 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorodecanoic acid (PFDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)						1,615 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)						1,615 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 134 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent Phase 3	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)	0.000309-079 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0210-0056 ng/L as a daily maximum and 0.0120-0032 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent Phase 4	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)	0.000309-079 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0210-0056 ng/L as a daily maximum and 0.0120-0032 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent Phase 1	Perfluorohexanoic acid (PFHxA)					Monitor only. 1,720 calendar month average	Monitor only. 1,720 daily calendar month maximum	nanograms per liter	once per month week	24-Hour Flow Composite	Jan-Dec	
SD-001-Process & Sanitary Effluent Phase-2	Perfluorohexanoic acid (PFHxA)						1,720 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD-001-Process & Sanitary Effluent Phase-3	Perfluorohexanoic acid (PFHxA)	151,645 calendar month average		grams per day		6,172 calendar month average	10,692 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD-001-Process & Sanitary Effluent Phase-4	Perfluorohexanoic acid (PFHxA)	151,645 calendar month average		grams per day		6,172 calendar month average	10,692 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorononanoic acid (PFNA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 1	Perfluorooctanesulfonic acid (PFOS)					7 calendar month average	14 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent Phase 2	Perfluorooctanesulfonic acid (PFOS)					7 calendar month average	14 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Perfluorooctanesulfonic acid (PFOS)	0.000936-93 calendar month average		grams per day		2.2 calendar month average	2.2 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.066 ng/L as a daily maximum and 0.038 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.2 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent Phase 4	Perfluorooctanesulfonic acid (PFOS)	0.000936-93 calendar month average		grams per day		2.2 calendar month average	2.2 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.066 ng/L as a daily maximum and 0.038 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.2 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent Phase 1	Perfluorooctanoic acid (PFOA)						1,798 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Perfluorooctanoic acid (PFOA)						1,798 calendar	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
							month maximum					
SD 001 Process & Sanitary Effluent Phase 3	Perfluorooctanoic acid (PFOA)	0.00110-3 2 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0800-022 ng/L as a daily maximum and 0.0460-013 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent Phase 4	Perfluorooctanoic acid (PFOA)	0.00110-3 2 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0800-022 ng/L as a daily maximum and 0.0460-013 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 001 Process & Sanitary Effluent	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						month average						
SD 001 Process & Sanitary Effluent	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluorotridecanoic acid (PFTTrA / PFTTrDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	once per day	Measurement, Continuous	Jan-Dec	
SD 001 Process & Sanitary Effluent	Phenanthrene	0.10 calendar	0.27 daily maximum	kilograms per day		22 calendar	59 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		<u>month average</u>				month average						
SD 001 Process & Sanitary Effluent	Phenol	<u>0.07 calendar month average</u>	<u>0.12 daily maximum</u>	<u>kilogram s per day</u>		15 calendar month average	26 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Phenols, Total	1.5 calendar month average	3.6 daily maximum	kilogram s per day		Monitor only. calendar month average	Monitor only. daily maximum	micrograms per liter	twice per week	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Pyrene	<u>0.11 calendar</u>	<u>0.30 daily maximum</u>	<u>kilogram s per day</u>		25 calendar	67 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 140 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		<u>month average</u>				month average						
SD 001 Process & Sanitary Effluent Phase 1	Selenium, Total (as Se)						29.6 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 2	Selenium, Total (as Se)						29.6 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 3	Selenium, Total (as Se)						29.6 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent Phase 4	Selenium, Total (as Se)					4.7 calendar month average	8.2 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar <u>year</u> month average	Monitor only. daily maximum	nanograms per liter	once per <u>year</u> month	24-Hour Flow Composite	Jan -Dec	
SD 001 Process & Sanitary Effluent	Solids, Total Dissolved (TDS)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Solids, Total Suspended (TSS)	545 calendar month average	1100 maximum calendar week average	kilograms per day		30 calendar month average	45 maximum calendar week average	milligrams per liter	3 times per week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Solids, Total Suspended (TSS), grab (Mercury)					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Specific Conductance						Monitor only. calendar quarter maximum	micromhos per cm	once per quarter	Measurement	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 001 Process & Sanitary Effluent	Temperature, Water (F)				Monitor only. calendar month minimum		Monitor only. calendar month maximum	degrees Fahrenheit	once per day	Measurement, Instantaneous	Jan-Dec	
SD 001 Process & Sanitary Effluent	Tetrachloroethylene (Perchloroethylene)	<u>0.10 calendar month average</u>	<u>0.25 daily maximum</u>	<u>kilogram s per day</u>		22 calendar month average	56 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Toluene	<u>0.12 calendar month average</u>	<u>0.36 daily maximum</u>	<u>kilogram s per day</u>		26 calendar month average	80 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Trichloroethylene (TCE)	<u>0.10 calendar month average</u>	<u>0.25 daily maximum</u>	<u>kilogram s per day</u>		21 calendar month average	54 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 142 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 001 Process & Sanitary Effluent	Trifluoroacetic acid (TFA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	Vinyl chloride (chloroethene)	<u>0.47 calendar month average</u>	<u>1.22 daily maximum</u>	<u>kilogram s per day</u>		104 calendar month average	268 daily maximum	micrograms per liter	once per month	Grab	Jan-Dec	
SD 001 Process & Sanitary Effluent	Zinc, Total (as Zn)	<u>4.77 calendar month average</u>	<u>11.86 daily maximum</u>	<u>kilogram s per day</u>		167 calendar month average	288 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Process & Sanitary Effluent	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent												
SD 002 NCCW, GW, & ISW Effluent	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-					Monitor only. calendar year mon	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	sulfonic acid (R-PSDCA / Byproduct 6)					th average						
SD 002 NCCW, GW, & ISW Effluent	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						month average						
SD 002 NCCW, GW, & ISW Effluent	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar yearmonth average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 145 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						th average						
SD 002 NCCW, GW, & ISW Effluent	2H-Perfluoro-2-decanoic acid (8:2 FTUCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfona					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 147 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	mido)propyl)-dimethylammonio)propanoate (PBSA-DC)					month average						
SD 002 NCCW, GW, & ISW Effluent	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar year month average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 148 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 149 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 1	Bis(2-ethylhexyl) phthalate						72 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Bis(2-ethylhexyl) phthalate						72 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Bis(2-ethylhexyl) phthalate						72 calendar month maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Bis(2-ethylhexyl) phthalate					2.9 calendar month average	5.1 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Bisphenol AF (BPAF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	BOD, 05 Day (20 Deg C)		1644 maximum calendar week average	kilogram s per day			50 maximum calendar week average	milligrams per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	BOD, Carbonaceous 05 Day (20 Deg C)	822 calendar month average		kilogram s per day		25 calendar month average		milligrams per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Chloride, Total						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Chlorine, Total Residual						0.038 daily maximum	milligrams per liter	once per week	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Cyanide, Free (as CN)						Monitor only. calendar quarter maximum	micrograms per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 151 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Fluorine, Total Organic (TOF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Hardness, Calcium & Magnesium, Calculated (as CaCO3)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Lead, Total (as Pb)					12 calendar month average	20 daily maximum	micrograms per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-Li)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Lithium, Total (as Li)						Monitor only. calendar quarter maximum	micrograms per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Mercury, Dissolved (as Hg)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	twice per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						month average						
SD 002 NCCW, GW, & ISW Effluent Phase 1	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Mercury, Total (as Hg)						11.8 calendar month maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Mercury, Total (as Hg)					9.7 calendar month average	16.8 daily maximum	nanograms per liter	twice per month	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 154 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	twice per year	24-Hour Flow Composite	Mar, Sep	
SD 002 NCCW, GW, & ISW Effluent	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	twice per year	24-Hour Flow Composite	Mar, Sep	
SD 002 NCCW, GW, & ISW Effluent	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	twice per year	Calculation	Mar, Sep	
SD 002 NCCW, GW, & ISW Effluent	Oil & Grease, Total Recoverable (Hexane Extraction)						10 daily maximum	milligrams per liter	once per week	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Oxidants, Total Residual						Monitor only. daily maximum	milligrams per liter	twice per year	24-Hour Flow Composite	Mar, Sep	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar year month	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						th average						
SD 002 NCCW, GW, & ISW Effluent	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,5-dioxahecanoic acid (PFO2HxA)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar year mon th average	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3,6-dioxaheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar year mon th	Monitor only. daily maximum	nanograms per liter	once per year mon th	24-Hour Flow Composite	Jan -Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						th average						
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar yearmon th average	Monitor only. daily maximum	nanograms per liter	once per yearmonth	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 1	Perfluorobutanesulfonic acid (PFBS)						7,299 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Perfluorobutanesulfonic acid (PFBS)						7,299 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Perfluorobutanesulfonic acid (PFBS)	254138,390 calendar month average		grams per day		7,7154,208 calendar month average	13,3667,290 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Perfluorobutanesulfonic acid (PFBS)	254138,390 calendar month average		grams per day		7,7154,208 calendar month average	13,3667,290 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorobutanoic acid (PFBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month week	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorodecanoic acid (PFDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						month average						
SD 002 NCCW, GW, & ISW Effluent	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorohexanesulfon amide (PFHxSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 1	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)						9,250 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)						9,250 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)	0.00040-1 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0210-0056 ng/L as a daily maximum and 0.0120-0032 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)	0.00040-1 1 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0210-0056 ng/L as a daily maximum and 0.0120-0032 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 002 NCCW, GW, & ISW Effluent Phase 1	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar month average	Monitor only. 6,729 daily calendar month maximum	nanograms per liter	once per month week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Perfluorohexanoic acid (PFHxA)						6,729 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Perfluorohexanoic acid (PFHxA)	202,972 calendar month average		grams per day		6,172 calendar month average	10,692 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Perfluorohexanoic acid (PFHxA)	202,972 calendar month average		grams per day		6,172 calendar month average	10,692 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Perfluorononanoic acid (PFNA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 1	Perfluorooctanesulfonic acid (PFOS)					7 calendar month average	14 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Perfluorooctanesulfonic acid (PFOS)					7 calendar month average	14 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Perfluorooctanesulfonic acid (PFOS)	0.00124-2.2 calendar month average		grams per day		2.2 calendar month average	2.2 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.066 ng/L as a daily maximum and 0.038 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.2 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent Phase 4	Perfluorooctanesulfonic acid (PFOS)	0.00121-2 5 calendar month average		grams per day		2.2 calendar month average	2.2 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.066 ng/L as a daily maximum and 0.038 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.2 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 002 NCCW, GW, & ISW Effluent Phase 1	Perfluorooctanoic acid (PFOA)						11,287 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 2	Perfluorooctanoic acid (PFOA)						11,287 calendar month maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent Phase 3	Perfluorooctanoic acid (PFOA)	0.00159-4 2 calendar month average		grams per day		2.1 calendar month average	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0800-0.22 ng/L as a daily maximum and 0.0460-0.13 ng/L as a calendar month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 002 NCCW, GW, & ISW Effluent Phase 4	Perfluorooctanoic acid (PFOA)	0.00159-4 2 calendar		grams per day		2.1 calendar	2.1 daily maximum	nanograms per liter	once per week	24-Hour Flow Composite	Jan-Dec	The final WQBELs are 0.0800-0.22 ng/L as a daily maximum and 0.0460-0.13 ng/L as a calendar

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
		month average				month average						month average. These limits are below the conventional (<2-4 ng/L) reporting limit for currently available analytical technology. Therefore, a separate compliance limit (2.1 ng/L) has been established for the purpose of reporting limit compliance data to the MPCA.
SD 002 NCCW, GW, & ISW Effluent	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Perfluorotridecanoic acid (PFTra / PFTrDA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	once per day	Measurement, Continuous	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar year month th average	Monitor only. daily maximum	nanograms per liter	once per year month	24-Hour Flow Composite	Jan -Dec	
SD 002 NCCW, GW, & ISW Effluent	Solids, Total Dissolved (TDS)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Solids, Total Suspended (TSS)	987 calendar month average	1,973 calendar month maximum	kilograms per day		30 calendar month average	60 daily maximum	milligrams per liter	once per week	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Solids, Total Suspended (TSS), grab (Mercury)					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per month	Grab	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Specific Conductance						Monitor only. calendar quarter maximum	micromhos per cm	once per quarter	Measurement	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 NCCW, GW, & ISW Effluent	Temperature, Water (F)						83.0 calendar month maximum	degrees Fahrenheit	once per week	Measurement, Instantaneous	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 167 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 002 NCCW, GW, & ISW Effluent	Trifluoroacetic acid (TFA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 002 NCCW, GW, & ISW Effluent	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	24-Hour Flow Composite	Jan-Dec	
SD 003 Outfalls SD001+ SD002												
SD 003 Outfalls SD001+ SD002	Chlorine, Total Residual						0.038 daily maximum	milligrams per liter	once per week	Grab	Jan-Dec	
SD 003 Outfalls SD001+ SD002	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SD 003 Outfalls SD001+ SD002	Phosphorus, Total (as P)		6,253 12-month moving total	kilograms per year					once per month	Calculation	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area												
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 168 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 169 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorodecyl)ethan					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 170 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former Incinerator Area	oic acid (10:2 FTCA / FDEA)					quarter average						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 171 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001:	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former Incinerator Area						quarter average						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Arsenic, Total (as As)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.680 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 25 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Cadmium, Total (as Cd)					Monitor only. calendar year average		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.0078 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 175 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						intervention-qtr						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Chromium, Total (as Cr)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 3.5 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	COD (Chemical Oxygen Demand)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 120 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Cyanide, Total (as CN)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.045 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Fluoro(perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy)acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Lead, Total (as Pb)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.164 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 177 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 178 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 2.8 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 180 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former Incinerator Area						quarter average						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3,6-dioxahexanoic acid (PFESA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 181 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorobutanoic acid (PFBA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 182 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former Incinerator Area						quarter average						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorononanoic acid (PFNA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 184 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former Incinerator Area						quarter average						
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorooctanesulfon amide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	pH				Monitor only. calendar year minimum intervention-qtr		Monitor only. calendar year maximum intervention-qtr	standard units	once per quarter	Grab	Jan-Dec	The intervention limit is 9.0 SU. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit. The intervention limit is 6.0 SU. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Selenium, Total (as Se)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.040 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Silver, Total (as Ag)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.0041 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Solids, Total Suspended (TSS)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 100 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	Zinc, Total (as Zn)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.234 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 009 Basin 3U Overflow: 3U-01/BML 001: Former Incinerator Area	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area												
SD 010 Basin 2AA-01/BML 003 Overflow:	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 188 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow:	2-(Perfluorodecyl)ethan					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 190 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area	oic acid (10:2 FTCA / FDEA)					quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow:	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 193 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	COD (Chemical Oxygen Demand)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 120 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Lead, Total (as Pb)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.164 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-Methyl-N- [(perfluorobutyl)sulfon yl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	N-methylperfluoro-1- octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro(2-((6- chlorohexyl)oxy)ethan esulfonic acid) (9Cl- PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro(4- methoxybutanoic acid) (PFECA-A / PFMBBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-2- (perfluoromethoxy)pro panoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-2- ethoxyethanesulfonic acid (PFEEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow:	Perfluoro-2- ethoxypropanoic acid (PEPA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 198 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3,6-dioxaheptanoic acid (PFESA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoro-4-isopropoxybutanoic acid (PFESA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow:	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorohexanesulfon amide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow:	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 204 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Former D8 Disposal Area						quarter average						
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Solids, Total Suspended (TSS)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 100 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater Sector section of this permit.
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	Zinc, Total (as Zn)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 0.234 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 010 Basin 2AA-01/BML 003 Overflow: Former D8 Disposal Area	[3-(Heptadecafluorooctyl sulfonamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 206 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	Notes
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 207 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 209 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 210 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-(Perfluoroheptyl)propionic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 213 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 25 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 215 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9CI-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 218 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3,6-dioxahexanoic acid (PFESA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-3-[1-(ethenoxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 219 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 221 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 222 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	Perfluorononanesulfon ic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD- 02, AD-03: Wastewater Treatment Plant	Perfluorooctanesulfon amide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 224 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Wastewater Treatment Plant												
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 225 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	Notes
02, AD-03: Wastewater Treatment Plant						quarter average						
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Solids, Total Suspended (TSS)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 100 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 011 BML 004/Basin AD Overflow: AD-02, AD-03: Wastewater Treatment Plant	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 226 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	2,2,3,3-Tetrafluoro-3-[(1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village	tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 228 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 229 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2H-Perfluoro-2-decanoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 232 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	Lithium bis[(trifluoromethyl)su					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 233 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village	lfonyl]azanide (HQ-115 / TFSI-LI)					quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 234 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,5,7,9,11-pentaaxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,5,7,9-butaoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3,6-dioxahexanoic acid (PFESA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
005: Contractor Village						quarter average						
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Solids, Total Suspended (TSS)					Monitor only. calendar year average intervention-qtr		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 100 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 243 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 012 Basin 3Z Overflow: 3Z-01, 3Z-02/BML 005: Contractor Village	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013 Basin 3W/3X Overflow: 3W-01, 3X-01, 3X-02: Fire Training Area, SD 014 Basin 3V Overflow: 3V-01: Former Incinerator Area; SD 015 Basin 3AL Overflow: 3AL-01, 3AL-03, 3AL-04: Contractor Village, SD 016 Basin AB-01 Overflow: Former D8 Disposal Area, SD 017 AB-02: Former D8 Disposal Area, SD 018 Basin AB-03 Overflow: Former D8 Disposal Area, SD 019 Basin AB-04 Overflow: Former D8 Disposal Area, SD 020 Basin 3J/3T Overflow: 3J-01, 3R-01, 3R-02, 3R-03, 3T-01: Former Incinerator Area, SD 021 Basin 2L-01 Overflow: East Cove/Railroad, SD 022 O-01: East Cove/Railroad, SD 023 2N-01: 1/4 Mile West of the East Cove Along Railroad Tracks, SD 024 2H-01, SD 026 Basin 1AI-01 Overflow: Building 57/North Access Road, SD 027 Basin AG Overflow: AG-01, AG-02, AG-03 : Building 57/North Access Road, SD 028 Manhole -3Y <u>Catch</u> Basin Overflow: 3Y-01: Contractor Village, SD 029 1B-01: Building 57/North Access Road, <u>SD 030 AG-01: Building 57/North Access Road, SD 031 AG-03: Building 57/North Access Road</u>												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, <u>SD 030, SD 031</u>	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, <u>SD 030, SD 031</u>	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA /					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 247 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	NMeFOSAA / MeFOSAA)					quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2- (Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2- (Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	2- (Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 250 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, <u>SD 030, SD 031</u>						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, <u>SD 030, SD 031</u>	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, <u>SD 030, SD 031</u>	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3-([2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3-([3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 253 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Fluorine, Total Organic (TOF)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 256 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 260 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 262 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3,6-dioxahexanoic acid (PFCA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 269 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 272 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoropentanesulfo nic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoropropanesulfo nic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018,	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 274 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031						quarter average						
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024,	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 026, SD 027, SD 028, SD 029, SD 030, SD 031												
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030, SD 031	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 276 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 013, SD 014, SD 015, SD 016, SD 017, SD 018, SD 019, SD 020, SD 021, SD 022, SD 023, SD 024, SD 026, SD 027, SD 028, SD 029, SD 030 , SD 031	[3-(Heptadecafluorooctyl sulfonamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 277 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road						quarter average						
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 279 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Building 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 281 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	2- (Perfluorooctyl)ethano ic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	2- (Perfluorooctyl)ethano l (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	2H,2H,3H,3H- Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-((3-((2-Carboxyethyl))((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyla					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 283 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Building 57/North Access Road	zaniumyl)propanoate (PHSA-DC)											
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulf					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 285 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Building 57/North Access Road	onyl]amino]-1-propanesulfonic acid (PHSA-S3)											
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 287 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Benzyltriphenylphosph onium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-Li)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Methane, bis[(trifluoromethyl)su lfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	N,N-Bis(2- hydroxyethyl)perfluor obutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	N-(2-Hydroxyethyl)- N,N-dimethyl-3- (((tridecafluorohexyl)s ulfonyl)amino)propan- 1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 291 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Building 57/North Access Road	3-aminopropanoic acid (PHSA-C1)											
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 293 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-2- ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-2- ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-2- methoxyaceticacid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-3,5,7-trioxaooctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 295 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-3,5- dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-3,6-dioxa-4- methyl-7-octene-1- sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoro-3,6- dioxahheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 297 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorobutane-1- sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorobutane-1- sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorobutane-N-(3- (dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorododecanesulf onic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorohexanesulfon amide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorohexanesulfon ic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 303 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorooctanesulfo nic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoropentanesulfo nic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 305 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road												
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluorotridecanoic acid (PFTra / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Potassium 2,2,3,3- tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road	Solids, Total Suspended (TSS)					Monitor only. calendar year average		milligrams per liter	once per quarter	Grab	Jan-Dec	The intervention limit is 100 mg/L. If this limit is exceeded, the Permittee shall refer to the Industrial Stormwater section of this permit.

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 307 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
02, AM-01: Front Entrance/Buildi ng 57/North Access Road						interven tion-qtr						
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	Trifluoromethanesulfo nic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SD 025 Basin 1E Overflow: AR/BML 002/1E-01, 1E- 02, 1F-01, 1G- 02, AM-01: Front Entrance/Buildi ng 57/North Access Road	[3- (Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N- oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 308 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	Notes
SW 001 UEC-5: Unnamed Creek Upstream of Discharge												
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek	2-(N-Methylperfluorooctanesulfonamido)acetic					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Upstream of Discharge	acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					quarter average						
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2H-Perfluoro-2-decanoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 312 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-((3-((N-(2-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	propanesulfonic acid (PHSA-S3)											
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 314 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge Phase 2	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge Phase 3	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of	Flow		Monitor only. calendar	million gallons		Monitor only. calendar	Monitor only. calendar	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 315 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Discharge Phase 4			quarter total			quarter average	quarter maximum					
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 316 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 317 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9CI-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 319 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3,6-dioxaheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-3-[1-(ethenyl)oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 322 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 001 UEC-5: Unnamed Creek Upstream of Discharge	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002 EC-5: Unnamed Creek Downstream of Discharge, SW 003 WC-08: Mississippi River Upstream of 3M Facility, SW 004 IW-25: Mississippi River at Confluence of Unnamed Creek												
SW 002, SW 003, SW 004	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 327 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 328 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 329 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 330 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	zaniumyl)propanoate (PHSA-C2)					quarter average						
SW 002, SW 003, SW 004	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	perfluoropentanoic acid (R-EVE)					quarter average						
SW 002, SW 003, SW 004	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-Li)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)s					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	ulfonyl)amino)propan-1-aminium (PHSA-E1)					quarter average						
SW 002, SW 003, SW 004	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 336 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3,6-dioxaheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 337 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 341 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
SW 002, SW 003, SW 004	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SW 002, SW 003, SW 004	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
SW 002, SW 003, SW 004	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)												
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to	Fluorine, Total Organic (TOF)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 001 (Bld. 151)						month average						
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar month average intervention limit	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 22,429 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 38,856 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluorobutanoic acid (PFBA)					Monitor only. calendar month average intervention limit	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 186,912 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 323,808 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 001 (Bld. 151)						month average						
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar month average intervention limit	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.0171 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.0298 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar month average intervention limit	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 32,897 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 56,988 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.155 ng/l as a calendar month average. If this limit is exceeded,

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 001 (Bld. 151)						month average intervention	intervention limit					the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.27 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluorooctanoic acid (PFOA)					Monitor only. calendar month average intervention	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.069 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.117 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 346 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 001 (Bld. 151)						month average						
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Trifluoroacetic acid (TFA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 001 Process & Sanitary AIX Effluent Prior to Mixing into SD 001 (Bld. 151)	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)												
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Fluorine, Total Organic (TOF)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar month average intervention	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 22,429 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 38,856 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluorobutanoic acid (PFBA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.0171 ng/l as a calendar month average. If this limit is exceeded,

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 002 (Bld. 151)						month average intervention	intervention limit					the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.0298 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar month average intervention	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 32,897 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 56,988 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar month average intervention	Monitor only. daily maximum intervention limit	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.155 ng/l as a calendar month average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.27 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 002 NCCW, GW, & ISW AIX	Perfluorooctanoic acid (PFOA)					Monitor only.	Monitor only. daily	nanograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 0.069 ng/l as a calendar month

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 349 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Effluent Prior to Mixing into SD 002 (Bld. 151)						calendar month average intervention	maximum intervention limit					average. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit. The intervention limit is 0.117 ng/l as a daily maximum. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 002 NCCW, GW, & ISW AIX Effluent Prior to	Trifluoroacetic acid (TFA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Mixing into SD 002 (Bld. 151)						month average						
WS 002 NCCW, GW, & ISW AIX Effluent Prior to Mixing into SD 002 (Bld. 151)	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 GW/ISW/NCCW GAC Lag Vessel Effluent (Bld 150) and WS 004 WW GAC Lag Vessel Effluent (Bld 150)												
WS 003 and WS 004	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Fluorine, Total Organic (TOF)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Perfluorobutanesulfonic acid (PFBS)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluorobutanoic acid (PFBA)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluoroheptanesulfonic acid (PFHpS)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Perfluoroheptanoic acid (PFHpA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 351 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 003 and WS 004	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluorohexanoic acid (PFHxA)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluorooctanesulfonic acid (PFOS)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluorooctanoic acid (PFOA)						Monitor only. daily maximum	nanograms per liter	once per week	Grab	Jan-Dec	
WS 003 and WS 004	Perfluoropentanesulfonic acid (PFPeS)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Perfluoropentanoic acid (PFPeA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Perfluoropropanoic acid (PFPA / PFPrA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Trifluoroacetic acid (TFA)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 003 and WS 004	Trifluoromethanesulfonic acid (TFMS / PFMeS)						Monitor only. daily maximum	nanograms per liter	once per month	Grab	Jan-Dec	
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)												
WS 005 BLD 185 GAC Lead	1,1-Dichloroethane						Monitor only. daily	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 59 ug/L. If this limit is exceeded, the

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 352 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
Vessel Effluent (Bld 185)							maximum intervention limit					Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	1,2-Dichloroethane						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 68 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Benzene						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 136 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Chloroform						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 21 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	COD (Chemical Oxygen Demand)						Monitor only. daily maximum intervention limit	milligrams per liter	once per week	Grab	Jan-Dec	The intervention limit is 40 mg/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Dichloromethane (Methylene chloride)						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 40 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Diethyl phthalate						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 203 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Ethylbenzene						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 32 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 005 BLD 185 GAC Lead Vessel Effluent (Bld 185)	Toluene						Monitor only. daily maximum intervention limit	micrograms per liter	once per week	Grab	Jan-Dec	The intervention limit is 26 ug/L. If this limit is exceeded, the Permittee must take action as described in the Intervention Limits section of the permit.
WS 006 BLD 92 Potable Lag Vessel Effluent and WS 007 BLD 92 Non-Potable Lag Vessel Effluent												
WS 006 and WS 007	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 354 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(N-Ethylperfluorooctanesulfonamido)acetic acid					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	(N-EtFOSAA / NEtFOSAA / EtFOSAA)					quarter average						
WS 006 and WS 007	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)a					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	zaniumyl)propanoate (PHSA-DC)					quarter average						
WS 006 and WS 007	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((p erfluorobutyl)sulfonyl) amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3-(3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((p erfluorohexyl)sulfonyl) amino)-1-					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	propanesulfonate (PHSA-S1)											
WS 006 and WS 007	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 359 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]a					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	cetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					quarter average						
WS 006 and WS 007	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 362 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9CI-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-2-ethoxyethanesulfonic acid (PFEEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 363 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 006 and WS 007	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3,6-dioxahexanoic acid (PFESA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 364 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 365 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	sulfonamido amine (PBSA)					quarter average						
WS 006 and WS 007	Perfluorobutanesulfon amide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorobutanesulfon ic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorodecanesulfon ic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorododecanesulf onic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 367 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 006 and WS 007	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 368 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 369 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 006 and WS 007	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 370 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 006 and WS 007	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 006 and WS 007	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 008 Basin 2L-01: Former D8 Disposal Area & East Cove/Railroad, WS 009 Basin 3J/3T: 3J-01, 3R-01, 3R-02, 3R-03, 3T-01: Former Incinerator Area, WS 010 Basin 3U: 3U-01/BML 001: Former Incinerator Area, WS 011 Basin 3V: 3V-01: Former Incinerator Area, WS 012 Basin 3Z: 3Z-01, 3Z-02/BML 005: Contractor Village, WS 013 Fire Training Area Pond: 3AL-02/Fire Training Pond: Fire Training Area, WS 014 Basin 3AL: 3AL-01, 3AL-03, 3AL-04: Contractor Village, WS 015 Manhole 3Y Basin: 3Y-01: Contractor Village, WS 016 Basin AB-01: Former D8 Disposal Area, WS 017 Basin 2AA: 2AA-01/BML 003: Former D8 Disposal Area, WS018 Basin 2I/Pond 3: Bypass Basin (fka 2I-01, 2I-02, 2I-03, 2I-04 and 2I-05): Former D5 Disposal Area, WS 019 Basin AD: AD-02, AD-03/BML 004: Wastewater Treatment Plant, WS 021 Basin 1E: 1E-01, 1E-02, 1F-01, 1G-02, AM-01: Front Entrance/Building 57/North Access Road, WS 022 Basin AG: AG-01, AG-02, AG-03: Building 57/North Access Road, WS 024 Basin AB-03: Former D8 Disposal Area, WS 025 Basin AB-04: Former D8 Disposal Area, WS 026 Basin 3W/3X: 3W-01, 3X-01, 3X-02: Fire Training Area, WS 027 Basin 1AI-01: Building 57/North Access Road												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 371 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)pro					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 373 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	pan-2-yl]oxypropanoic acid (Hydro-EVE Acid)											
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propa namide (PIBA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol (MeFBSE)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(N-Ethylperfluorooctanes ulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 375 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 376 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 377 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 378 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 379 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 380 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 381 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	hydroxypropane-1-sulfonate (PHSA-OH1)											
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 382 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 383 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 384 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 385 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	acid (Hydro-PS Acid / PFESA BP 2)											
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 386 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Bisphenol AF (BPAF)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Flow		Monitor only. calendar year total	million gallons		Monitor only. calendar year average	Monitor only. calendar year maximum	million gallons per day	once per day	Estimate	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 387 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Fluorine, Total Organic (TOF)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 388 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 389 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium (PHSA-E1)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 390 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 391 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	3-aminopropanoic acid (PHSA-C1)											
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 393 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 394 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluoro-2-methoxyaceticacid (PFMOAA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluoro-3,5,7,9,11-pentaaxadodecanoic acid (PFO5DA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 396 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-3,5,7,9-butaoadecanoic acid (PFO4DA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-3,5,7-trioxaooctanoic acid (PFO3OA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 397 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-3,6-dioxo-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluoro-3,6-dioxoheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 398 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 399 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluorobutane-1-sulfonic acid (PFBSi)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 400 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 401 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluorobutanoic acid (PFBA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 402 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorodecanoic acid (PFDA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 403 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 405 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorohexanesulfon amide (PFHxSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 406 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluorononanoic acid (PFNA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 407 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluorooctanesulfon amide (PFOSA / FOSA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 408 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorooctanoic acid (PFOA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 409 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 410 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0001449
 Page 411 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013,	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 413 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	Trifluoroacetic acid (TFA)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 414 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
025, WS 026, WS 027												
WS 008, WS 009, WS 010, WS 011, WS 012, WS 013, WS 014, WS 015, WS 016, WS 017, WS018, WS 019, WS 021, WS 022, WS 024, WS 025, WS 026, WS 027	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar year average	Monitor only. daily maximum	nanograms per liter	once per year	Grab	Jan-Dec	
WS 020 1G-01: Film and Bubbles Manufacturing Runoff Borrow Pit and WS 023 4L-01: Test Track Area												
WS 020 and WS 023	(Perfluorobutyl) sulfonamido acetic acid (FBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid (R-PSDCA / Byproduct 6)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 415 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS / F-53B Minor)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2,2'-(((Nonafluorobutyl)sulfonyl)imino)diacetic acid (FBSEE diacid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2,2,3,3-Tetrafluoro-3-methoxypropanoic acid (MTP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2,2,3,3-Tetrafluoro-3-[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxypropanoic acid (Hydro-EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanamide (PIBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2,3,3,3-Tetrafluoropropanoic acid (2333-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(N-(Perfluorobutylsulfonyl))-N-					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	methylamino)ethanol (MeFBSE)					quarter average						
WS 020 and WS 023	2-(N-Ethylperfluorooctanesulfonamido)acetic acid (N-EtFOSAA / NEtFOSAA / EtFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (NMeFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(N-Methylperfluorooctanesulfonamido)acetic acid (N-MeFOSAA / NMeFOSAA / MeFOSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(Perfluorodecyl)ethanoic acid (10:2 FTCA / FDEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(Perfluorodecyl)ethanol (10:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(Perfluorohexyl)ethanoic acid (6:2 FTCA / FHEA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 417 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	2-(Perfluorohexyl)ethanol (6:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(Perfluorooctyl)ethanoic acid (8:2 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2-(Perfluorooctyl)ethanol (8:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2H-Perfluoro-2-dodecenoate (10:2 FTUCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 418 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	3-((3-((2-Carboxyethyl)((tridecafluorohexyl)sulfonyl)amino)propyl)(dimethyl)azaniumyl)propanoate (PHSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-((3-((2-Hydroxyethyl)(dimethyl)azaniumyl)propyl)((perfluorobutyl)sulfonyl)amino)propane-1-sulfonate (PBSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-((3-((N-(2-Carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate (PBSA-DC)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)-2-hydroxypropane-1-sulfonate (PHSA-OH1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-(Dimethyl(3-(((tridecafluorohexyl)sulfonyl)amino)propyl)azaniumyl)propanoate (PHSA-C2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 419 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	3-(3-[(2-Hydroxyethyl)(dimethyl)azaniumyl]propyl[(perfluorohexyl)sulfonyl]amino)-1-propanesulfonate (PHSA-S1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3-[[3-(Dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-1-propanesulfonic acid (PHSA-S3)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	3:3 Fluorotelomer carboxylic acid (3:3 FTCA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	4-(2-Carboxy-1,1,2,2-tetrafluoroethoxy)-perfluoropentanoic acid (R-EVE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	4:2 Fluorotelomer alcohol (4:2 FTOH)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	4H-Perfluorobutanoic acid (4H-PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	5-(1,2,2,2-Tetrafluoro)ethoxy-perfluoro-3-oxa-4-methylpentanesulfonic acid (Hydro-PS Acid / PFESA BP 2)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	6:2 Fluorotelomer sulfonic acid (6:2 FTS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	7:2 sFluorotelomer alcohol (7:2 FTOH)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Benzyltriphenylphosphonium (TPBP)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Bisphenol AF (BPAF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 421 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average	Monitor only. calendar quarter maximum	million gallons per day	once per day	Estimate	Jan-Dec	
WS 020 and WS 023	Fluorine, Total Organic (TOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Fluoro[perfluoro-2-(perfluoro-2-sulfoethoxy)propoxy]acetic acid (Hydrolyzed PSDA / 49 Byproduct 5)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115 / TFSI-LI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Methane, bis[(trifluoromethyl)sulfonyl]- (MEDSULF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide (FBSEE / FBSEE Diol)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-(2-Hydroxyethyl)-N,N-dimethyl-3-(((tridecafluorohexyl)s					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
	ulfonyl)amino)propan-1-aminium (PHSA-E1)					quarter average						
WS 020 and WS 023	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (PHSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-(Perfluorobutanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PBSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-(Perfluorohexanesulfonyl)-N-(3-dimethylaminopropyl)-3-aminopropanoic acid (PHSA-C1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-Ethyl-N-(2-hydroxyethyl)perfluorooctane sulfonamide (N-EtFOSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-Ethylperfluorooctanesulfonamide (EtFOSA / N-EtFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	N-Methyl-N-[(perfluorobutyl)sulfonyl]glycine (MeFBSAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	N-methylperfluoro-1-octanesulfonamide (MeFOSA / NMeFOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid) (9Cl-PF3ONS / F53B Major)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro(4-methoxybutanoic acid) (PFECA-A / PFMBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA / PFECA F)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-2-ethoxypropanoic acid (PEPA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 424 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	Perfluoro-2-methoxyacetic acid (PFMOAA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA / GenX)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3,5,7,9-butoxadecanoic acid (PFO4DA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 425 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid (PS Acid / PFESA BP 1)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3,6-dioxaheptanoic acid (PFECA-B / NFDHA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3-methoxypropanoic acid (PFMPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-3-[1-(ethenyloxy)propan-2-yl]oxypropanoic acid (EVE Acid)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-4-(2-sulfoethoxy)pentanoic acid (R-PSDA / BPFESA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoro-4-isopropoxybutanoic acid (PFECA-G)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorobutane-1-sulfinic acid (PFBSi)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 426 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	Perfluorobutane-1-sulfonamidoethanol (FBSE)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine (PBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorobutanesulfonamide (FBSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorobutanesulfonic acid (PFBS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorobutanoic acid (PFBA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorodecanesulfonic acid (PFDS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	Perfluorodecanoic acid (PFDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorododecanesulfonic acid (PFDoS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorododecanoic acid (PFDoA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoroethanesulfonic acid (PFES / PFETs)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoroheptanesulfonic acid (PFHpS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoroheptanoic acid (PFHpA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorohexadecanoic acid (PFHxDA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 428 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	Perfluorohexanesulfonamide (PFHxSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorohexanesulfonic acid (PFH1S / PFHS / PFHxS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorohexanoic acid (PFHxA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorononanesulfonic acid (PFNS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorononanoic acid (PFNA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorooctadecanoic acid (PFODA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	Perfluorooctanesulfonamide (PFOSA / FOSA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorooctanesulfonic acid (PFOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorooctanoic acid (PFOA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoropentanesulfonic acid (PFPeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoropentanoic acid (PFPeA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoropropanesulfonic acid (PFPrS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoropropanoic acid (PFPA / PFPrA)					Monitor only. calendar	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Permit issued: TBD
Permit expires: TBD

MN0001449
Page 430 of 441

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
						quarter average						
WS 020 and WS 023	Perfluorotetradecanoic acid (PFTeDA / PFTeA / PFTA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluorotridecanoic acid (PFTrA / PFTrDA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Perfluoroundecanoic acid (PFUnA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Potassium 2,2,3,3-tetrafluoropropanoate (2233-TFPA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Potassium N,N-bis(perfluorobutanesulfonyl)amide (DBI)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Potassium perfluoro-4-ethylcyclohexanesulfonate (PECHS / PFECHS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 020 and WS 023	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate (NVHOS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Trifluoroacetic acid (TFA)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	Trifluoromethanesulfonic acid (TFMS / PFMeS)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	
WS 020 and WS 023	[3-(Heptadecafluorooctyl sulfonylamino)propyl] dimethylamine N-oxide (AOF)					Monitor only. calendar quarter average	Monitor only. daily maximum	nanograms per liter	once per quarter	Grab	Jan-Dec	

Notes:

1. The reporting limits for metals (Total Antimony, Total Cadmium, Total Copper, Total Lead, Total Nickel, and Total Zinc) shall be no greater than ~~510~~ ug/L.
2. The Total Aluminum reporting limit shall be no greater than 20 ug/L.
3. The Total Boron reporting limit shall be no greater than 500 ug/L.
4. The Total Cobalt reporting limit shall be no greater than 5 ug/L.
5. The Chromium, Hexavalent (as Cr) reporting limit shall be no greater than 11 ug/L.

6. The Total Cyanide and Free Cyanide (or amendable Cyanide method since Free Cyanide chemistry is rarely available) reporting limits shall be as close to the chronic WQS of 5.2 ug/L as possible.
7. The Total Lithium Standard Method shall be 3111 B with a reporting limit of 2 ug/L.
8. See the Surface Discharge Station General Requirements – Unionized Ammonia Section for unionized ammonia calculation and restrictions of pH adjustment for unionized ammonia compliance. Total ammonia concentration data used to determine unionized ammonia shall be maintained.
9. The Total Phosphorus reporting limit shall be 0.03 mg/L or less.

7. Appendix A

PFAS Surface Water Monitoring Protocol

Date: ~~126/611~~/24; Scott Kyser

Background

The waters in the image below have PFAS site-specific criteria applicable to them. The 3M Cottage Grove facility discharges to Unnamed Creek which flows into Pool 2 of the Mississippi River.

Currently, MDH recommends not eating fish obtained from Mississippi River Pools 2-4 for sensitive populations, including people who are or may become pregnant, people who are breastfeeding or plan to breastfeed, and children under age 15. MDH recommends limiting fish consumption from Mississippi River Pools 2-4 to one serving a month for the general population of people not planning to become pregnant, men and boys over age 15.

Since PFAS are discharged by 3M Cottage Grove to waters of the state and PFAS have the potential to cause toxic effects, the MPCA derived site-specific criteria for six PFAS compounds using the procedures outlined in [Minn. R. 7050.0217](#), [Minn. R. 7050.0218](#) and [Minn. R. 7050.0219](#). These PFAS site-specific criteria were derived to be specific to the point source being addressed and to protect water quality in Pool 2 of the Mississippi River for human health and fish consumption.

Surface water monitoring locations

Figures 11 and 12 show locations where PFAS have been sampled from surface waters near the 3M Cottage Grove facility.

Figure 11. Surface water sample locations.

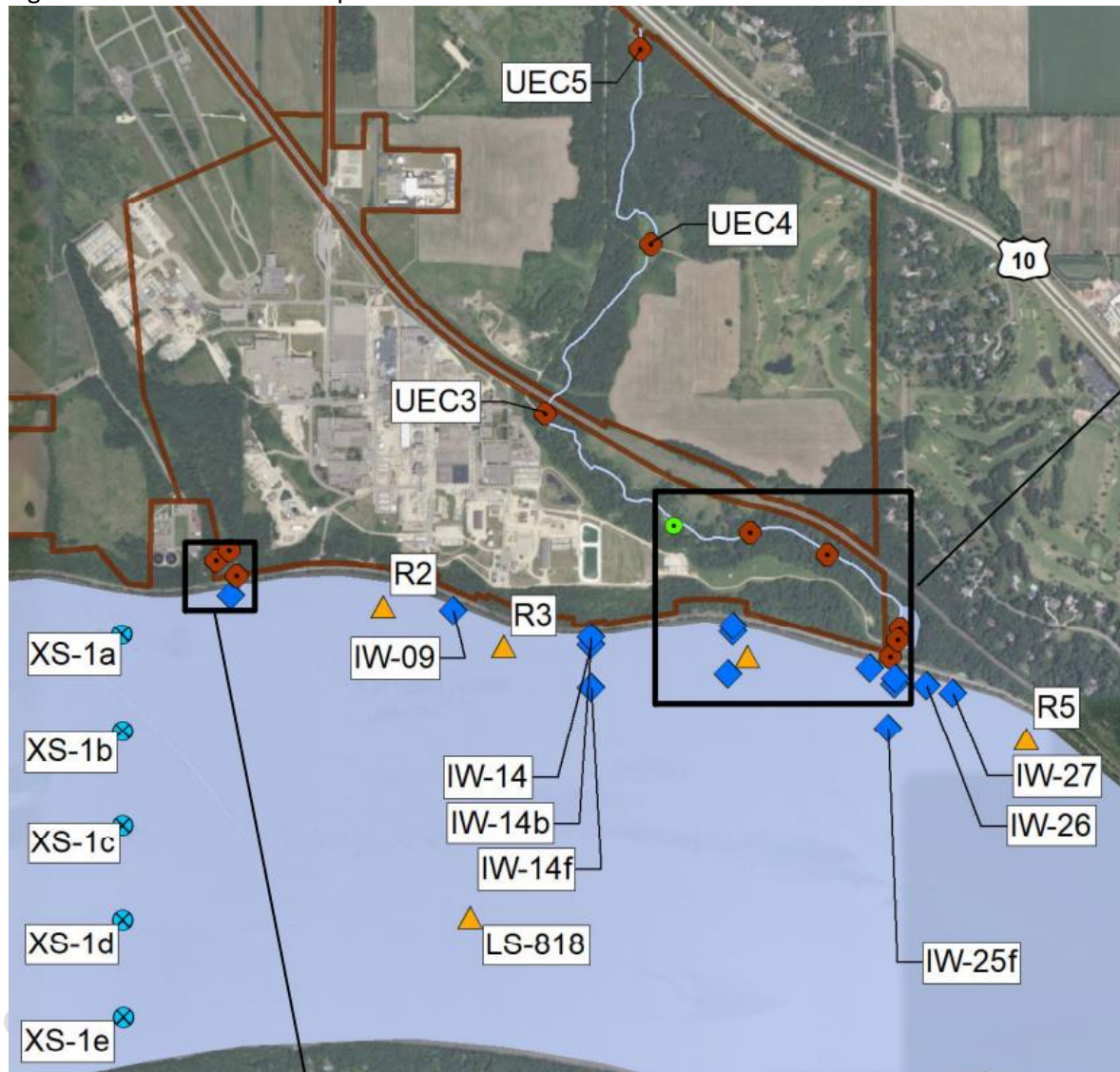
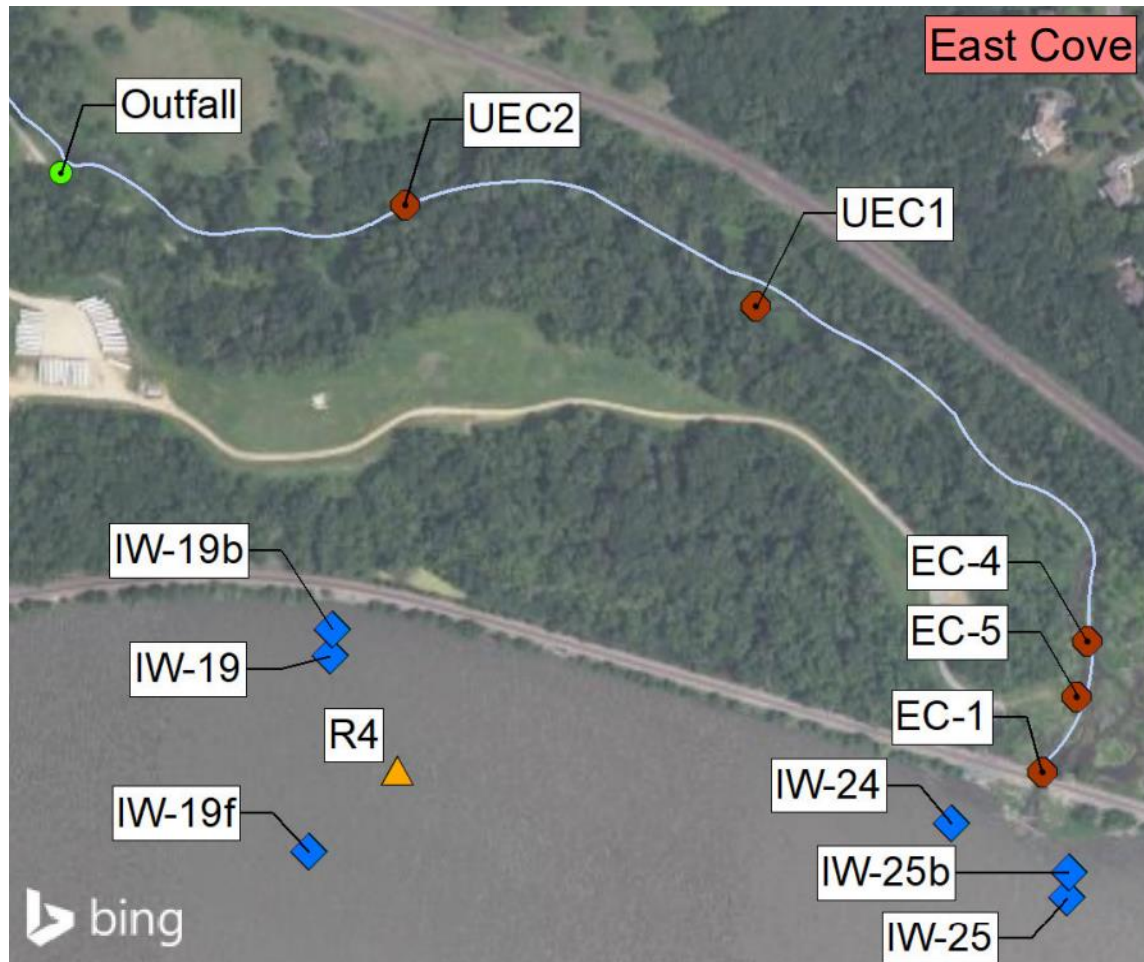


Figure 12. Close-up of sample locations in the East Cove.



Information Goal and Utilization

The goal of this surface water monitoring protocol is to:

- Verify that the 3M Cottage Grove permit is protecting the PFAS site-specific fish tissue consumption criteria for surface water and fish tissue in receiving waters.
- Determine whether the permit controls are causing PFAS surface water concentrations to decrease over time.
- Ensure that sufficient surface water and fish tissue data is collected to perform impaired waters assessments and to develop fish consumption guidance values.
- Establish criteria to justify a potential future reduction in PFAS sampling frequency during the next permit cycle.
- Ensure that all data is reported to MPCA in an Electronic Data Deliverable (EDD) digital format so that it can easily be stored, shared, and used in decision making.
- Establish a flow gauge on Unnamed Creek to verify 7Q10 flow rate and enable calculation of PFAS mass loading from the site to Unnamed Creek.

PFAS Variables to Be Analyzed:

Surface water (Characterization Study): All PFAS parameters that are required to be analyzed monthly at SD 001. No total organic fluorine or adsorbable organic fluorine is needed for any sample.

Sediment: All PFAS parameters that are required to be analyzed monthly at SD 001. No total organic fluorine or adsorbable organic fluorine is needed for any sample.

Sediment pore water: All PFAS parameters that are required to be analyzed monthly at SD 001. No total organic fluorine or adsorbable organic fluorine is needed for any sample.

Fish Tissue: All PFAS parameters that are required to be analyzed monthly at SD 001 from the 2023 “Instream PFAS Characterization Study Interim Report Mississippi River Cottage Grove MN” report and any additional PFAS parameters required to be analyzed at SD 001. No total organic fluorine or adsorbable organic fluorine is needed for any sample.

Stream flow: Stream flow in Unnamed Creek must be measured in units of cubic feet per second.

Note: When submitting the sampling plan, if 3M presents evidence that a PFAS compound cannot be reliably analyzed in either sediment, water, or fish tissue, then MPCA will consider removing that compound as a sampling requirement in the study for that media.

Sample Location and Frequency

The surface water monitoring will consist of two main portions. The first is quarterly sampling at four surface water stations and the second is a larger scale once every five years.

1. Quarterly Surface Water Sampling

Quarterly PFAS sampling must occur at the four surface stations in the table below. Quarterly sampling requirements for SW 001 – SW 0045 will be generated on Discharge Monitoring Reports. If the permit is administratively continued past the permit expiration date, then this quarterly sampling must be repeated continuously until the permit is reissued.

NPDES Permit Name	Equis Name	3M Report Name	Location Description	Lat	Long	Parameters	Sample Frequency
SW 001	S016-670	UEC-5	Unnamed Creek Upstream of Main Discharge	44.799089	-92.90243	TEMPO PFAS Suite & Stream Flow*	PFAS once per quarter and stream flow once per day
SW 002	S005-239	EC-5	Unnamed Creek Downstream of Main Discharge	44.783851	-92.892986	TEMPO PFAS Suite	Once per quarter

SW 003	S005-149	WC-08	Mississippi River Upstream of 3M Facility	44.785501	-92.917304	TEMPO PFAS Suite	Once per quarter
SW 004	S005-183	IW-25	Mississippi at Confluence of Unnamed Creek	44.782897	-92.893	TEMPO PFAS Suite	Once per quarter

*The Permittee can choose to establish a flow gauging station at the control structure under highway ten.

2. Characterization Report Sampling

All sampling required in the “Instream PFAS Characterization Study Work Plan Mississippi River Cottage Grove, Minnesota Revision 01” report must be replicated every five years. This sampling event samples surface water, fish tissue, sediment, ~~macroinvertebrates~~, and sediment pore water. The sampling work plan document is available upon request. If the Permittee would like to request a reduction in sampling, they must explain why the reduction is reasonable and needed. ~~If the permit is administratively continued past the permit expiration date, then this sampling must be repeated every five years until the permit is re-issued.~~

The MPCA has identified the following changes that could be requested by the Permittee:

- ~~• Biotic sampling could be limited to six fish species (bluegill, sunfish, black crappie, common carp, smallmouth bass, white bass, and walleye/sauger) in each waterbody at 10 fillets per species.~~
 - ~~○ Rationale: This amount of fish tissue sampling is sufficient to characterize fish tissue PFAS concentrations in a waterbody.~~
- ~~• Stable isotope determination could be limited or eliminated.~~
 - ~~○ Rationale: MPCA’s analysis of stable isotope data did not relate significantly to PFAS concentrations. Collecting stable isotope data going forward would not provide needed information.~~
- ~~• Determination of fish age could be limited or removed.~~
 - ~~○ Rationale: MPCA’s analysis of fish age data did not relate significantly to PFAS concentrations. Collecting fish age data going forward would not provide needed information.~~
- Biotic sampling in the main channel of the river (Reaches 2 – 6, including Lake Rebecca) can be limited to 6 fish species (Bluegill Sunfish, Black Crappie, and Common Carp or Freshwater Drum as representative of trophic level three (TL3), and Smallmouth Bass, White Bass and Walleye/Sauger as representative of trophic level four (TL4)). 10 fillet per species per reach will be sufficient for permit compliance and consumption guidance assessment. In addition to 10 fillet per 6 species per reach, 5 whole fish per species per reach must also be analyzed for the suite of PFAS that are monitored monthly at SD 001.
- Minnows and other prey species do not need to be collected in the main channel. Minnows must be collected from East Cove, West Cove, and Upper East Cove.
- No sampling of benthic macroinvertebrates is needed.
- No surface water microlayer sampling is needed.
- Surface monitoring upstream of the site-specific criteria area must occur in Reach 01 between river miles 823 and 820, which represents a reduction in sampling of 10 river miles compared to the previous in-stream characterization study. Surface water monitoring should also occur in Reaches 02 through 06 (Pool

2 Section 4 through Pool 3 Section 4). Surface water monitoring will not be required in Reach 07 or downstream of Reach 7.

- Surface water, sediment and sediment pore water monitoring of the East Cove, West Cove, and Upper East Cove is needed.
- Sediment and sediment pore water should be sampled at all locations in the original in-stream report. 3M can request a reduction in sediment monitoring for locations outside of the locations in the East Cove, West Cove and Upper East Cove, upper Reach 1 and Reach 7.
- Stable isotope determination can be eliminated.
- Determination of fish age can be eliminated.

Lab analysis:

Follow sample collection, bottle rinse and preservation methods as directed by the analyzing laboratory.

If sampling by wading, the sample bottle should be lowered mouth-down to the mid-depth, and then turned upward to collect the sample. Always sample facing upstream to avoid contaminating the sample with water that has contacted your waders.

During winter ice-cover conditions, keep ice and slush out of the sampling hole. The Permittee does not need to sample during unsafe conditions.

Sample location, date, time, and results shall be recorded on the Sample Values form for each sample.

****SAFETY FIRST****

Samples should be taken only when danger of ice hazards is NOT present.

All PFAS data analysis should follow the latest MPCA analytical guidance. The latest guidance is available here: <https://www.pca.state.mn.us/sites/default/files/p-eao2-06.pdf>.

Data Evaluation

3M must collect the submitted data and perform the following evaluations:

- The trend in PFAS levels at SW 001- SW 004 over time must be analyzed for every PFAS parameter. The trends should be analyzed to see whether PFAS levels are trending toward or are in compliance with the site-specific criteria applicable to Pool 2, if that PFAS has a site-specific criteria.
- The PFAS levels in surface water and fish tissue from the 2023 characterization report must be compared to the results from the latest sampling event. The data must be analyzed to see whether PFAS levels are trending toward or are in compliance with the site-specific criteria applicable to Pool 2, if that PFAS has a site-specific criteria.
- A PFAS load duration curve must be developed at UEC-5 to quantify the mass of PFAS upstream of SD 001 and SD 002. This upstream PFAS load will be compared to the PFAS load from SD 001 and SD 002 to quantify how much PFAS is entering Pool 2 of the Mississippi River and from which sources.
- The instream flow data on Unnamed Creek must be analyzed to verify the zero 7Q10 flow rate in Unnamed Creek. The Permittee can request that the MPCA perform this calculation since this is a routine calculation for the MPCA.

Data Decisions

- A reduction in monitoring frequency at SW 001-SW 004 should be established, if PFAS levels are trending downward and are meeting site-specific criteria applicable to Pool 2 of the Mississippi River.
- A reduction in monitoring as part of the larger characterization report should be established if PFAS levels are trending downward and are meeting site-specific criteria applicable to Pool 2 of the Mississippi River.
 - When evaluating the reduction in monitoring, collection of surface water samples and fish tissue samples should be given critical priority. PFAS monitoring in sediment, sediment pore water, and benthic macroinvertebrate should be reduced or eliminated prior to any reduction in surface water and fish tissue monitoring.
- If new flow data clearly demonstrates that the 7Q10 flow rate is greater than zero, then that information should be used in the permit reissuance.

Reporting Format

Quarterly sampling data at stations SW 001-SW 004 must be submitted through wastewater eDMRs.

All data from the instream characterization report must be submitted to the MPCA surface water data portal using MPCA's ~~MN~~ Lab MN electronic data delivery (EDD) format and the same pdf report format used in the 2023 characterization report. The general EQuIS webpage can be found here: <https://www.pca.state.mn.us/about-mPCA/environmental-quality-information-system-equis>

8. Appendix B – Chemical Additives

Additive Brand Name	Dose Per Day	Dosing Units	Discharge Station	Location and/or Purpose
Azone 15	11,193	gal/year	SD 001 and SD 002	System A, UF location
	11,552	gal/year	SD 001 and SD 002	System C feed location
	45,168	gal/year	SD 001 and SD 002	System B Feed location
	74,977	gal/year	SD 001 and SD 002	System A feed location
	2975	gal/year	SD 001 and SD 002	System C UF location
	4,210	gal/year	SD 001 and SD 002	System B UF location
B-22b	6.12	gal/day	SD 001	RO biocide, used 1 hr every 5 days
BoreSaver IKL Pro	20	gal/day	SD 001	Well additive, was a one-time use for 3-4 weeks
Chemtreat C-2189T	1.5	lbs/day	SD 002	Cooling Towers water treatment
Chemtreat CL-2250	0.086	gal/day	SD 002	Cooling Towers water treatment
Chemtreat CL-5643	0.45	gal/day	SD 002	Cooling Towers water treatment
Chemtreat P828IL	150	lbs/day	SD 001	Cooling Towers water treatment
Citric Acid 50% FG	439	gal/year	SD 001 and SD 002	System B, UF location *
	775	gal/year	SD 001 and SD 002	System C, UF location *
	1167	gal/year	SD 001 and SD 002	System A, UF location *
Evonik TMT 15	16.72	gal/day	SD 001	
Evoqua Alumafloc 1	0.67	gal/day	SD 001	
Glycerine 99,5	100	lbs/day	SD 003	1 x use for equipment start up at several locations
Hawkins Phosphorus** 75%	10	gal/day	SD 001 – SD 003	Used to feed bugs in WWTP
Hawkins Urea 32%**	50	gal/day	SD 001 – SD 003	Used to feed bugs in WWTP
KBAC-1020	6.12	gal/day	SD 001 and SD 002	System B, RO location
Kemira PIX-312	27,124	gal/year	SD 001 and SD 002	System B, location feed
	3,566	gal/year	SD 001 and SD 002	System A, feed location
	4,187	gal/year	SD 001 and SD 002	System C feed location
MEM 1905	76.6	gal/day	SD 001	RO anti scaling additive
MEM-2930	9.86	gal/day	SD 001 and SD 002	
MEM-3900	9.37	gal/day	SD 001 and SD 002	
Muric acid	185	gal/day	SD 001	Well additive, 1 time use for 3-4 weeks
Nalco 3D Trasar 3DT401	6.4	gal/day	SD 001	
<u>Nalco 7396</u>	<u>30</u>	<u>lbs/day</u>	<u>SD 001</u>	
<u>Nalco 9353</u>	<u>30</u>	<u>lbs/day</u>	<u>SD 001</u>	

Nalco 9005 microbiocide	5	gal/day	SD 001	Microbiocide
Nalco PP01 3911	1.47	gal/day	SD 001	System B, UF location
Nalco PP01-3911	4.9	gal/day	SD 001	Updated defoamer
Nalco Rustphree 73924	100	gal/day	SD 001	
Nalco Trasar Trac 100	0.329	gal/day	SD 001	
NW-310	9	gal/day	SD 001	Used in wells. 1 time use 3-4 weeks
<u>Praestol 650 BC</u>	<u>100</u>	<u>lbs/day</u>	<u>SD 001</u>	
<u>Praestol A 3040</u>	<u>90</u>	<u>lbs/day</u>	<u>SD 001</u>	
Sodium Bisulfite (SBS)	715	gal/year	SD 001 and SD 002	System C, UF location *
	972	gal/year	SD 001 and SD 002	System B, UF location *
	2583	gal/year	SD 001 and SD 002	System A, UF location *
	8424	gal/year	SD 001 and SD 002	System B, location Feed *
	22817	gal/year	SD 001 and SD 002	System A, RO location *
Sodium hydroxide 50% diaphragm	408	gal/year	SD 001 and SD 002	System B, UF location
	454	gal/year	SD 001 and SD 002	System C, UF location
	1086	gal/year	SD 001 and SD 002	System A, UF location
<u>Suez Steamate NA716</u>	<u>2</u>	<u>gal/day</u>	<u>SD 001</u>	
Sulfuric Acid 66'	18,091	gal/year	SD 001 and SD 002	System B, location Feed
	39,406	gal/year	SD 001 and SD 002	System A, Location Feed
Water Safe	185	gal/day	SD 001	Well use. 1 time use 3-4 weeks

*For cleaning and regen process, not an intended additive for discharge

**Conditional approval – The facility must still meet ammonia and phosphorus WQBELs established at outfalls SD 001, SD 002, and SD 003

Additional additive approvals will need to be submitted through the additive approval process online.



City Council Action Request

7.S.

Meeting Date 1/22/2025

Department Public Works

Agenda Category Action Item

Title HERO Center – Range Re-Roof Project Final Payment

Staff Recommendation Adopt Resolution 2025-010 authorizing final payment of \$13,868.95 to Diverse Construction Services, LLC for the HERO Center Range Re-Roof project.

Budget Implication \$13,868.95 - Insurance Settlement

Attachments

1.	2025-01-22 HERO Center ReRoof Final Payment Memo
2.	HERO Center ReRoof Final Payment Resolution
3.	HERO Center ReRoof Pay App #3



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Crystal Raleigh, PE, Assistant City Engineer

Date: January 15, 2025

Re: HERO Center – Range Re-Roof Project Final Payment

Background

On April 5, 2023, the section of roof over the gun range of the HERO Center sustained damage in a windstorm. The HERO Center is co-owned by the Cities of Cottage Grove and Woodbury and is operated by the HERO Center Facilities Operation Committee (FOC). The City of Cottage Grove holds the insurance policy for the facility. The City's insurer agreed to reimburse the cost to reconstruct the roof over the gun range, including roof design and bidding services, and full time construction inspection services.

On June 26, 2024 the FOC awarded a contract to the low-bidder, Diverse Construction Services, for roof reconstruction in the amount of \$269,437.00 plus Unit Price items as recommended by the HERO Center construction representative based on field conditions. Roof reconstruction began in September and was completed in November 2024. Upon completion of construction, unit price items totaled \$7,942.00 for a total contract of \$277,379.00.

Discussion

Because the insurance policy is held by the City of Cottage Grove, the invoices for the project have been routed through the Cottage Grove City Council. The status of pay applications is shown in the table below. Following payment from the city to Diverse Construction Services, the city is reimbursed for the cost through the insurance claim. The rework has been completed in accordance with the plans and specifications and has been inspected and approved by the City Building Official and the HERO Center FOC.

	Amount	Status
Pay App #1	\$241,330.40	Approved with Cottage Grove City Council disbursements on Nov 20, 2024
Pay App #2	\$22,179.65	Approved with Cottage Grove City Council disbursements on Dec 18, 2024 (Includes CO #1 for \$7,942.00 approved by HERO Center FOC on Dec 17, 2024)
Pay App #3 (Final)	\$13,868.95	Resolution 2025-010 (release of retainage)

Recommendation

It is recommended the City Council adopt Resolution 2025-010 authorizing final payment of \$13,868.95 to Diverse Construction Services, LLC for the HERO Center Range Re-Roof project.

CITY OF COTTAGE GROVE
CITY COUNCIL
RESOLUTION NO. 2025-010

**RESOLUTION APPROVING THE FINAL PAYMENT IN THE
AMOUNT OF \$13,868.95 TO DIVERSE CONSTRUCTION SERVICES
FOR THE HERO CENTER RANGE RE-ROOF PROJECT**

WHEREAS, the Chief Building Official has certified that work has been satisfactorily completed; and

WHEREAS, the original total contract amount was \$269,437.00 and the revised total contract amount was \$277,379.00. The final construction cost was \$277,379.00, which is the same as the revised contract amount; and

WHEREAS, the project has been satisfactorily completed in accordance with the contract plans and specifications.

NOW THEREFORE BE IT RESOLVED, by the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, that \$13,868.95 is paid to Diverse Construction Services, LLC for the final payment for the HERO Center Range Re-Roof Project.

Passed this 22nd day of January, 2025.

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk

AIA[®] Document G702[™] – 1992

Application and Certificate for Payment

TO OWNER:	PROJECT:	APPLICATION NO:	Distribution to:
City of Cottage Grove 12800 Ravine Parkway South Cottage Grove MN 55016	Hero Center 10125 85th Street South Cottage Grove MN 55016	PERIOD TO: 3 CONTRACT FOR: 12/06/2024 CONTRACT DATE: PROJECT NOS: / /	OWNER ☐ ARCHITECT ☐ CONTRACTOR ☐ FIELD ☐ OTHER ☐
FROM CONTRACTOR:	VIA ARCHITECT:		
Diverse Construction Services, LLC Remit payments to: 82 - 38th Avenue NE Columbia Heights MN 55421-3502			

CONTRACTOR'S APPLICATION FOR PAYMENT

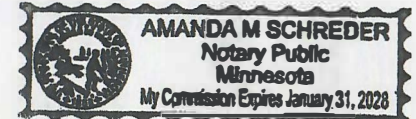
Application is made for payment, as shown below, in connection with the Contract. AIA Document G703[™], Continuation Sheet, is attached.

1. ORIGINAL CONTRACT SUM	\$ 269,437.00
2. NET CHANGE BY CHANGE ORDERS	\$ 7,942.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$ 277,379.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ 277,379.00
5. RETAINAGE:	
a. % of Completed Work 0.00 (Columns D + E on G703)	\$ 0.00
b. % of Stored Material 0.00 (Column F on G703)	\$ 0.00
Total Retainage (Lines 5a + 5b, or Total in Column I of G703)	\$ 0.00
6. TOTAL EARNED LESS RETAINAGE	\$ 277,379.00 (Line 4 minus Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT	\$ 263,510.05 (Line 6 from prior Certificate)
8. CURRENT PAYMENT DUE	\$ 13,868.95
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 minus Line 6)	\$ 0.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$	\$
Total approved this month	\$	\$
TOTAL	\$	\$
NET CHANGES by Change Order	\$	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: [Signature] Date: 12/03/24
By: [Signature]
State of: Minnesota
County of: Anoka
Subscribed and sworn to before me this _____ day of _____
Notary Public: [Signature]
My commission expires: 1-31-2028



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$
(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT: [Signature] Date: 2024-12-10
By: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.



Document G703™ – 1992

Continuation Sheet

AIA Document G702™-1992, Application and Certificate for Payment, or G732™-2009, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.

In tabulations below, amounts are in US dollars.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:

3

APPLICATION DATE:

12/02/2024

PERIOD TO:

12/06/2024

ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
	Bonds & Permit	14,400.00	14,400.00			14,400.00	100.00		
	Equipment	11,000.00	11,000.00			11,000.00	100.00		
	Roofing Material	123,500.00	123,500.00			123,500.00	100.00		
	Roofing Labor	103,127.00	103,127.00			103,127.00	100.00		
	SM Material	2,000.00	2,000.00			2,000.00	100.00		
	SM Labor	15,410.00	15,410.00			15,410.00	100.00		
	Parapet sheathing, blocki	7,942.00	7,942.00			7,942.00	100.00		
	Totals:	277,379.00	277,379.00			277,379.00	100.00		
	GRAND TOTAL								

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.



City Council Action Request

7.T.

Meeting Date 1/22/2025

Department Public Works

Agenda Category Action Item

Title County Road 19A & 100th Street Realignment – Final Design MOU

Staff Recommendation Approve the Memorandum of Understanding with Washington County for the County 19A & 100th Street Project related to final design, environmental documentation, and municipal consent.

Budget Implication \$250,000 – ED Trust Fund.

Attachments	1.	County 19A & 100th Final Design MOU_2025-1-16
	2.	MOU 19A Realignment Phase 1 MOU_r4



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Ryan Burfeind, PE, Public Works Director

Date: January 16, 2025

Re: County Road 19A & 100th Street Realignment – Final Design MOU

Background

In 2019, Washington County began a planning study related to a future arterial roadway to be developed in the southwestern area of the County, within the City of Cottage Grove. The primary driver of this study was to address the lack of arterial roadways in this area of the County. The County worked with several partners on this project including Cottage Grove, St. Paul Park, Grey Cloud Island Township, and the South Washington Watershed District. In April of 2021, the final study was approved by the City Council.

Since that time, this southern area of Cottage Grove has seen a rapid acceleration of both industrial and residential development. Due to this, the City and County are working to implement the first phase of the Southwest Arterial Study. This will involve the realignment of County Road 19A and 100th Street to provide a direct connection from Highway 61 into the Business Park. This project would also include the construction of a bridge over the CPKC Railroad, which is critical to allow for unhindered access for logistics and distribution businesses.

Discussion

During 2023 and 2024, Washington County funded the preliminary design of the project, completing a MnDOT approved layout and 30% bridge design plans. Cottage Grove completed a utility study and started environmental work, which included wetland delineations for the project area. This project has received \$13.667 million in State and Federal grants to date, which have set deadlines to be used for construction. \$12 million of the grant funds need to be committed to construction by 2027, otherwise they will be lost. To ensure these deadlines are met, it is critical to start final design and environmental documentation work in 2025. To memorialize this, an MOU has been drafted with Washington County. This MOU requires that the County and City both fund \$250,000 in 2025, which is included in the City's CIP. These efforts will be led by Washington County. During this time, Cottage Grove will lead the coordination with 3M on right-of-way acquisition. This MOU also serves as municipal consent for the proposed improvements, which align with the City's long term transportation plans.

Finally, the MOU includes an appendix with anticipated project costs, which would be finalized prior to construction. It's important to note that each agency will not expend these dollars in full, grant funds will be applied equally across the entire project and are anticipated to fund 80% of the total project costs. The MOU has been reviewed and approved by the City Attorney and County Attorney and is included with this memo for City Council approval.

Recommendation

It is recommended that the City Council approve the Memorandum of Understanding with Washington County for the County 19A & 100th Street Project related to final design, environmental documentation, and municipal consent.

**MEMORANDUM OF UNDERSTANDING
BETWEEN WASHINGTON COUNTY AND THE CITY OF COTTAGE GROVE
FOR TRANSPORTATION IMPROVEMENTS RELATED TO THE REALIGNMENT OF COUNTY ROAD 19A
BETWEEN TRUNK HIGHWAY (TH) 61 AND JAMAICA AVENUE**

THIS MEMORANDUM OF UNDERSTANDING, by and between the City of Cottage Grove, a municipal corporation, herein after referred to as the "City", and Washington County, a political subdivision of the State of Minnesota, hereinafter referred to as the "County."

WHEREAS, Washington County and the City of Cottage Grove completed a study in November 2020, analyzing future transportation needs in the southwestern portion of Washington County (Southwest Arterial Study); and

WHEREAS, The Southwest Arterial Study analyzed several alternative routes to complete the arterial route and the study identified a single preferred route (Southwest Arterial) to connect the intersection of MnDOT Trunk Highway 61 at County Highway 19 with the Lower Grey Cloud Island; and

WHEREAS, The proposed Southwest Arterial is eligible to become a County State Aid Highway if a Regional Park exists as a destination on the Lower Grey Cloud Island; and

WHEREAS, The first step in developing this arterial route is the project to realign County 19A from its current north-south alignment to an east-west alignment, that would connect the interchange at County 19A & TH 61 to Jamaica Avenue, as shown in Exhibit A, and provide a grade separated crossing of the Canadian Pacific Railway. Creating this direct connection is vital to the Southwest Arterial connection; and

WHEREAS, Properly aligning roadway jurisdiction ensures best value and use of public funds for maintenance and future improvements, helps maintain or improve the role of the roadway in the transportation system, and minimizes the inability to address strained road segments; and

WHEREAS, The City and the County mutually agree that working together to implement the conclusions of the Southwest Arterial Study will provide mutual benefit to both parties; and

WHEREAS, The City and the County are collaborating to secure grant funding for the construction of the realignment of County Road 19A between TH 61 and Jamaica Avenue in 2027.

NOW THEREFORE, IT IS HEREBY MUTUALLY UNDERSTOOD AS FOLLOWS:

Article 1 – Project Description

Washington County and the City of Cottage Grove agree that the segment of the County Road 19A Realignment between Jamaica Avenue and TH 61 is a collaborative effort requiring public engagement, environmental analysis, preliminary design, final design, prior to construction.

Article 2 – Project Phasing

Washington County will lead, and the City of Cottage Grove agrees to participate in, public engagement, environmental analysis, preliminary design, final design, and construction of the Arterial Route from the intersection of MnDOT Trunk Highway 61 at County Highway 19 to the intersection of 100th Street South at Jamaica Avenue. The City of Cottage Grove agrees to coordinate the right-of-way acquisition process

with 3M Corporation and will lead the right-of-way platting effort.

Washington County and the City of Cottage Grove agree to fund \$250,000 per agency to complete the preliminary design, environmental documentation, and right-of-way platting. Washington County and City of Cottage Grove agree to mutually negotiate final design cost participation. This effort will focus on confirming limits to the modified alignment that avoids impacts to Xcel Transmission lines, coordination with Canadian Pacific Railroad, and working through the environmental documentation process which includes a Mandatory Environmental Assessment Worksheet (EAW) and a Categorical Exclusion (CATEX) document for authorization to spend Federal Dollars. The schedule for this project is below:

Schedule	Anticipated Date
Railroad Coordination	March 2025
Environmental Documentation & EAW	March 2025 – October 2025
Preliminary Engineering / Geometric Layout	March 2025 – July 2025
Final Limits	July 2025
Right-of-Way	July 2025 – December 2025
Final Design (60%+)	December 2025-November 2026
Right-of-Way Acquisition (completed by Washington County)	January 2026 - September 2026
Bid Letting	December 2026
Construction	April 2027 - October 2028

Article 3 – Municipal Consent

This MOU shall act as municipal consent from both the City and County for improvements to realign County Road 19A from US10 to Jamaica Avenue on the new southwest arterial alignment. Planned improvements align with City and County long term transportation goals.

Article 4 – Cost Determination

This project will follow Washington County's Cost Participation Policy #8001 for construction of the Southwest Arterial Highway. The City agrees to participate financially for construction of Phase 1 of the Southwest Arterial Highway. This Phase 1 project from TH 61 to Jamaica will also include realignments and extensions of City roads which the City will be responsible for. These cost splits will be determined with a final Cost Participation Agreements between the County and City at the time of construction. Estimated project costs are attached as Exhibit A.

WASHINGTON COUNTY

CITY OF COTTAGE GROVE

Board Chair Date

Mayor Date

County Administrator Date

City Clerk Date

LEGEND
 Cost Share - County Policy #8001
 100% City Cost
 100% County Cost



South Frontage Road		
	County	City
Engineering ¹		\$ 880,000.00
Right-of-Way ²		\$ 742,500.00
Construction		\$ 3,416,050.00
Total		\$ 5,038,550.00

¹ Includes Planning, Engineering & Construction Admin
² Includes right-of-way and utility relocations

CR19A (100th Street)		
	County	City
Engineering ¹	\$ 4,400,000.00	\$ 1,650,000.00
Right-of-Way ²	\$ 2,310,000.00	\$ 3,069,000.00
Construction	\$ 17,531,800.00	\$ 6,112,700.00
Total	\$ 24,241,800.00	\$ 10,831,700.00

¹ Includes Planning, Engineering & Construction Admin
² Includes right-of-way and utility relocations

Miller Road		
	County	City
Engineering ¹		\$ 660,000.00
Right-of-Way ²		\$ 588,500.00
Construction		\$ 2,437,050.00
Total		\$ 3,685,550.00

¹ Includes Planning, Engineering & Construction Admin
² Includes right-of-way and utility relocations

Innovation Road South (19A)		
	County	City
Engineering ¹	\$ 550,000.00	
Right-of-Way ²	\$ 544,500.00	
Construction	\$ 1,962,400.00	
Total	\$ 3,056,900.00	

¹ Includes Planning, Engineering & Construction Admin
² Includes right-of-way and utility relocations

Agency Breakdown		
	City	County
Planning, Engineering & Construction Admin	\$ 3,190,000.00	\$ 4,950,000.00
Right-of-Way	\$ 4,400,000.00	\$ 2,854,500.00
Construction	\$ 11,965,800.00	\$ 19,494,200.00
Agency Total	\$ 19,555,800.00	\$ 27,298,700.00
Project Total	\$ 46,854,500.00	
Funding Received		\$14,141,279
Funding Needs ³		\$ 15,394,500.00

³ Assumes County and City will fund ROW & Engineering, Federal Grants to cover construction only.





City Council Action Request

8.A.

Meeting Date	1/22/2025				
Department	Finance				
Agenda Category	Action Item				
Title	Approve Disbursements				
Staff Recommendation	Approve disbursements from 01-03-25 to 01-16-25 in the amount of \$3,870,248.78.				
Budget Implication	N/A				
Attachments	<table><tr><td>1.</td><td>Expense Approval Report 1-22-2025 Council Meeting</td></tr><tr><td>2.</td><td>Payroll Check Register 01-22-25 Council Meeting</td></tr></table>	1.	Expense Approval Report 1-22-2025 Council Meeting	2.	Payroll Check Register 01-22-25 Council Meeting
1.	Expense Approval Report 1-22-2025 Council Meeting				
2.	Payroll Check Register 01-22-25 Council Meeting				



City Council Action Request

13.A.

Meeting Date	1/22/2025		
Department	Administration		
Agenda Category	Action Item		
Title	Future Park Projects (LOST)		
Staff Recommendation	Receive information and provide direction on future park projects.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Memo - Council Workshop Post Referendum (1)</td></tr></table>	1.	Memo - Council Workshop Post Referendum (1)
1.	Memo - Council Workshop Post Referendum (1)		



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Zac Dockter, Parks and Recreation Director

Date: January 7, 2025

Subject: Local Option Sales Tax Referendum Project Workshop

Introduction

With the resident's not passing the local option sales tax referendum last November, staff is seeking guidance from City Council on next steps. The local option sales tax plan had nearly 30 individual projects at three locations; Hamlet Park, Mississippi Dunes Park and River Oaks Golf Course and Event Center. The total cost of all projects combined was estimated at \$36M.

Alternative Funding Options

Staff has analyzed each project for viability of constructing with outside funding sources (non-City dollars). Should City Council wish to pursue of the listed projects and funding sources, staff will strategize on acquisition and project planning. Projects with significant alternative funding sources are as follows:

<i>Project</i>	<i>Project Cost</i>	<i>Funding Source</i>	<i>Potential Funds</i>
Mississippi Dunes Park w/Building	\$12M	3M Priority II Settlement	\$6M
		DNR Conservation Grant	\$150,000
		DNR Rec Grant	\$350,000
Mississippi Dunes Launch/Pier	\$1M	DNR Fisheries	\$1M
Hamlet Park Ballfields	\$6M	DNR Rec Grant/CGAA	\$500,000
River Oaks Winter Bike Trail	\$500,000	Regional Trail Grant	\$300,000

Projects Without Alternative Funding Options

Of the remaining projects, there may be smaller grant programs or other funding sources that can be realized to offset total construction costs. However, there are currently no major funding sources known to staff. If City Council desires to pursue these projects, the City should be prepared to cover all or most of the associated costs listed below.

Hamlet Park

New Building	\$4.5M
Synthetic Turf Field	\$2M
Skateboard Park (concrete plaza)	\$1M
Splash Pad	\$1M
Playground	\$1M
Amphitheater/artwalk/gardens	\$0.5M
North Trail Landscaping	\$0.5M
Fitness Equipment/Court	\$0.5M

River Oaks

Building Enhancements + Simulators	\$3M
Patio Upgrades	\$1M
Driving Range Enhancements	\$1M
Himalayan Putting Green	\$0.5M

Financial Planning

With direction from City Council, staff will include prioritized projects in future capital improvement plans and identify appropriate funding sources. As grant or alternative funding sources allow, staff will get authorization from City Council prior to solicitation and provide regular updates. Below is a list of scheduled recreational projects for years 2025-2027 within the recently adopted [Capital Improvements Plan](#). If City Council desires to reprioritize any projects to free capital for the aforementioned projects, staff can adjust accordingly during the regular capital improvements planning process in 2025. For the purposes of this workshop, staff is recommending discussion of River Oaks projects take place during the annual business plan review in April.

Parks & Recreation Capital Improvements Plan 2025-2027			
Year	Project	Estimated Cost	Funding Source
2025	Still Ponds Park and Trail Development	\$500,000	Park Trust Fund
	Oltman Middle School Park Construction	\$700,000	Park Trust Fund
	Matching Fund Grant Program	\$10,000	Park Improvements Fund
	Playgrounds: Hardwood and Belden Parks	\$140,000	Park Improvements Fund
	Lamar Park Shelter Replacement (2)	\$80,000	Park Improvements Fund
	Sports Lighting Improvements (Hearthside Ice Rink)	\$65,000	Park Improvements Fund
	Pine Glen & Pine Tree Pond Picnic Shelter	\$60,000	Park Improvements Fund
	Kingston Park Site Power Upgrading	\$200,000	Park Improvements Fund
	Inclusive Playground Surface Repair and Seal	\$60,000	Park Improvements Fund
	P Thompson Park Building Doors	\$40,000	Park Improvements Fund
	Woodridge Park Rink Board Replacement & Sport Court	\$300,000	Park Improvements Fund
2026	East Ravine or 100th Street Future Neighborhood Park Development	\$500,000	Park Trust Fund
	Oltman Middle School Park Construction	\$2,300,000	Park Trust Fund
	Matching Fund Grant Program	\$10,000	Park Improvements Fund
	Hamlet Skate Park Surface Replacement	\$100,000	Park Improvements Fund
	Sports Lighting Improvements (Hamlet Football/Soccer, Courts and Ice Rink)	\$355,000	Park Improvements Fund
	Kingston Building Replacement	\$5,400,000	Bonded Debt
2027	Roberts Lake Neighborhood Park Development	\$500,000	Park Trust Fund
	Military Trailhead	\$200,000	Park Trust Fund
	Matching Fund Grant Program	\$10,000	Park Improvements Fund
	Lamar Park Sports Lighting Replacement (LED & Poles)	\$350,000	Park Improvements Fund
	Hamlet Park Shelter Replacement	\$50,000	Park Improvements Fund
	Pine Coulee Court Replacement	\$20,000	Park Improvements Fund

Staff Recommendation

Provide direction on local option sales tax park projects for use in future capital improvements planning.



City Council Action Request

13.B.

Meeting Date 1/22/2025

Department Public Works

Agenda Category Action Item

Title New Development Boulevard Tree Requirements

Staff Recommendation Approve the removal of boulevard trees adjacent to homes in new developments and allow staff to begin the process of updating City ordinances to reflect this change.

Budget Implication

Attachments

1.	New Development Boulevard Tree Review_2025-1-22
----	---



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Ryan Burfeind, Public Works Director

Date: January 22, 2024

Subject: New Development Boulevard Tree Requirements

Background

On July 22, 2024, a memo was brought to a City Council budget workshop regarding several challenges being experienced within the city's Forestry Division. Staff has seen significant cost increases throughout the forestry budget which in return, limits the amount of tree care services the city can provide. Additionally, new development trends have greatly reduced the available space to have both boulevard trees and front yard trees. A discussion on how the city can navigate these challenges was reviewed and a future ordinance change on boulevard tree requirements was suggested. Following this discussion, staff was instructed to investigate how similar cities were dealing with boulevard trees in new developments and determine how we could ensure a good streetscape.

The Forestry Division, in the Public Works Department, currently maintains approximately 14,500 trees within boulevards across the city. This program is managed by the City Forester, under the direction of the Streets Superintendent. The general maintenance activities managed by the division are listed below:

- Diseased and dead tree removal
- Tree trimming
- Tree planting
- EAB treatment injections of 1,800 remaining ash trees
- Stump grinding

The majority of tree removal is completed as needed by the 13 streets division public service workers. All tree planting and stump grinding is completed by contractors. Tree trimming is a combination, with trees 8" and above being trimmed through a contract, and under 8" being trimmed by the streets division. This work takes place over the winter and is the primary job duty of the streets division during that season, in addition to plowing. EAB treatments are completed by two interns in the summer months. Below is a breakdown of division expenses based on the 2025 budget:

Item	Cost
Personnel	\$165,300
Operating Supplies	\$43,520
Chemicals (EAB)	\$49,070
Arbor Day	\$5,000
Tree Planting	\$45,000
Stump Grinding	\$20,000
Tree Trimming	\$150,574
Other (fuel, fleet, training, IT, etc.)	\$136,466
Total	\$614,930

The cost to maintain boulevard trees has risen at a fast pace over the past ten years. This has been driven by increased costs of contracted work, increased tree inventory, and increased size of the trees. These increases have been managed by reprogramming tree removal funds as the city approaches its goal of reducing the ash tree inventory. While this has delayed the need for increases to the budget, the budget is at the point where additions are necessary to properly maintain our boulevard trees. If the city does not follow a proper maintenance schedule, it could affect our liability when fallen boulevard trees or branches damage private property. Also, it is critical to maintain the required 14' clear zone in our roadway area.

As discussed at the workshop in July, a secondary issue has been experienced in recent years related to inadequate space to plant both boulevard and front yard trees. This has been caused by new trends in the housing market that have reduced both lot width and front yard setback. For reference, both issues related to cost increases and spacing issues are discussed in more detail in this memo.

Discussion

Tree Maintenance Costs

As mentioned above, the city has seen significant increases in contracted maintenance costs. Conducting a thorough analysis, trimming costs have risen the most dramatically with a 562% increase in price within a ten-year period. Tree plantings have also increased, rising 89% over that period from \$241/tree to \$456/tree. Below is a cost analysis between the 2014-2015 and proposed 2024-2025 tree trimming contract.

	Trimming Cost 2014-2015			Estimated Trimming Cost 2024-2025		
Diameter Class	Number of Trees	Cost/Tree	Total	Number of Trees	Cost/Tree	Total
8"-15"	773	\$19.50	\$15,073.50	363	\$90.00	\$32,670.00
16"-20"	344	\$40.00	\$13,760.00	891	\$104.00	\$92,664.00
21"-29"	44	\$62.00	\$2,728.00	402	\$180.00	\$72,360.00
30" plus	2	\$115.00	\$230.00	50	\$257.00	\$12,850.00
Total	1,163		\$31,791.50	1,706		\$210,544.00

As shown above, there is a compounding effect with tree trimming costs. Not only have there been significant unit price increases over the 10-year period, but as trees have grown, they move from the city trimmed size (under 8") to a contractor trimmed size, increasing the quantity. Finally, trees have grown into larger class sizes, which also increases the cost.

Historically, all boulevard trees in the city have been trimmed on a 5-year cycle. As shown in the table above, the budget was not sufficient to maintain this cycle. Working with our City Forester, a 6-year cycle was still acceptable while ensuring the health of our trees. As part of switching to a 6-year cycle, a \$50,000 budget addition was approved for 2025. To stay on a 5-year cycle, a \$81,000 budget addition would have been required.

As stated above, the city has approximately 14,500 boulevard trees inventoried. The costs associated with maintaining boulevard trees have risen significantly, driven by several factors. An increase in contractual services, the growing need for specialized care due to tree diseases and urban expansion have all contributed to the escalation. The city's forestry budget amounts to a total of \$614,930 which equates to \$42.41 per boulevard tree, every year, throughout the city. With an average of 350 homes per year, and accounting for corner lots, this would amount to a \$17,500 budget addition each year to maintain the current level of service for new trees alone. This would be on top the typical 3-4% increases to address labor and inflation costs. Together, this would equal a 6-7% budget increase each year, which is not a sustainable trend.

Housing Market Trends & Tree Spacing Challenges

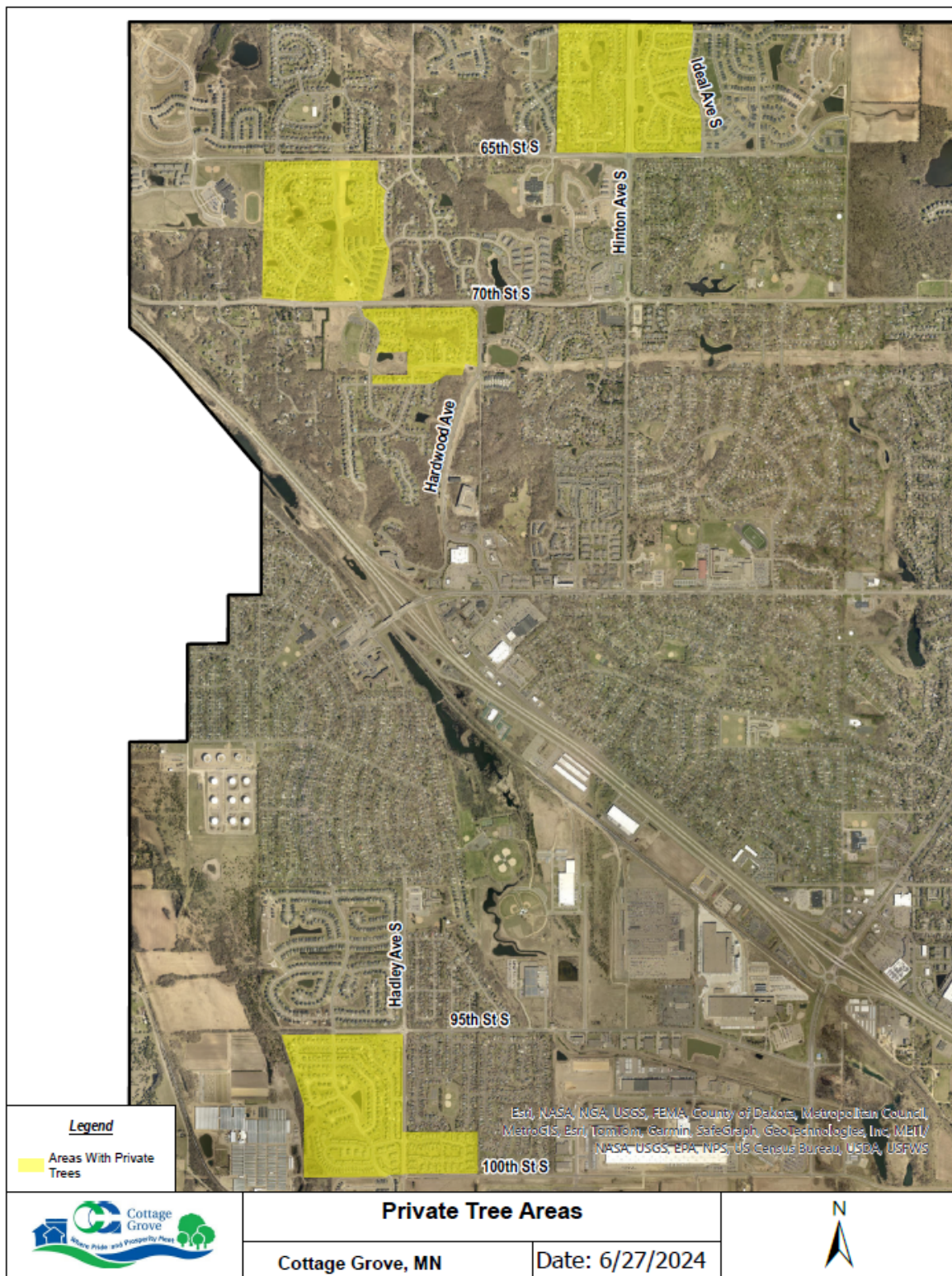
Over the years, the front yard setback and lot width standards have been reduced to follow market trends. In the 2000's lot width and front yard setbacks were 85 feet and 30-35 feet, respectively. In the 2010's, lot width and front yard setbacks were reduced to 65-75 feet and 25-30 feet, respectively. Today, lot width and front yard setbacks are as low as 40 feet and 20 feet, respectively. While it has been important to stay current with market trends, it has brought an unintended consequence of limiting space to have both boulevard and front yard trees. The reduction in lot width has also led to conflicts between boulevard trees and other infrastructure in the boulevard, such as streetlights, street signs, and hydrants. To mitigate this, boulevard trees have already been reduced to every other lot when the lot width is 40-50'. The overall reduction in lot sizing has also made it not feasible to have a front yard tree and a boulevard tree. In certain cases, this has led builders to no longer place front yard trees, since boulevard trees are required. On the following page are photos from the Settler's Bluff development, near Hadley Ave and 103rd Street, that depict these issues.



Future Boulevard Tree Requirements

Certain areas of Cottage Grove, as shown on the following page, were developed with only private front yard trees instead of boulevard trees. This mostly occurred during the early 2000's when only front yard trees were required. In order to mitigate the need for future budget additions, and to address the challenges of smaller lots, staff is recommending that boulevard trees no longer be required adjacent to new residential lots. Rather, the city would enforce front yard tree requirements to ensure a wooded streetscape would be maintained. Instead of planting a boulevard tree 5-12 feet from the curb (dependent on sidewalk), one or two front yard trees would be required, 18 feet behind the curb. The number of front yard trees would be dependent on the lot width. Boulevard trees would still be planted on major roadways, commercial areas, and along neighborhood collectors that do not have home frontage.

This change would also help ensure the wooded feel of a neighborhood is not impacted by future street and utility reconstruction projects. Depending on the scope of a project, it can require the removal of boulevard trees when utilities are replaced. Boulevard trees can also be impacted by sidewalk and curb replacement, depending on their proximity. In existing neighborhoods, the front yard trees would still remain, maintaining the tree canopy. This would no longer be the case in neighborhoods that only have boulevard trees planted, and no front yard trees.



For new developments with lots 50 feet or less, traditional overstory trees are a concern due to the spread of the canopy, which would impact neighboring properties in the future. This concern would apply not only to front yard trees, but also to boulevard trees if they continued to be planted. To ensure a streetscape with taller trees is maintained, staff would work with developers to plant trees with a smaller spread, but still a decent height up to 40 feet. Below is a list of example trees that could be planted on lots 50 feet or less.

Species	Height (Ft)	Spread (Ft)
Three Flowered Maple	15-40	20-30
Autumn Brilliance Serviceberry	15-25	15-25
Musclewood (Ironwood)	20-30	20-30
MN Strain Redbud	20-25	20-30
Frontier Elm	25-40	15-30
Showy Mountain Ash	20-30	15-20
Japanese Lilac Tree	20-30	15-25
Spring Snow Crabapple	20-25	20-25
Regal Prince Oak	35-45	15-20
Princeton Sentry Ginkgo	40-50	20-30
Dakota Pinnacle Birch	30-40	10-15
Satisfaction Maple	30-35	20-25
Beacon Swamp White Oak	40-45	10-15
Summertime Amur Maackia	15-25	12-15

City staff reviewed two existing neighborhoods of a similar age, one with boulevard trees and one without. This was done to provide a comparison and ensure a similar streetscape is observed even without boulevard trees. Below are photos of the two neighborhoods.



Dunes Lane/Mississippi Dunes Estates – No Boulevard Trees



Meadow Grass Cove/Timber Ridge – Boulevard Trees

July 22, 2024, Budget Workshop Follow-up

The primary question from City Council at the budget workshop was how similar communities were handling boulevard trees in new developments. Prior to the workshop, staff had heard back from the cities of Rosemount and Woodbury on their standards. Rosemount does not require any trees within the boulevard, but within new developments each landscape plan is required to include one tree in the front yard and two on corner lots. Woodbury still requires a boulevard tree on every lot, however through the development agreement maintenance is assigned to the HOA or adjacent property owner.

Since the budget workshop, staff have discussed the topic with the cities of Apple Valley, Inver Grove Heights and Savage. Apple Valley does not permit any trees to be installed in the right of way or drainage & utility easement (the first 10 feet of the front yard, behind the boulevard). Inver Grove Heights does not allow trees in the public right of way. Savage has a minimum requirement of two trees per lot in new developments, but trees must be planted on private property. These five cities are comparable to Cottage Grove in size, development patterns, and location as a suburban community. They voiced similar concern with drastically increasing maintenance costs, smaller lots, and future impacts to City infrastructure.

Another question at the budget workshop was if there would be an increased burden on homeowners as they would need to maintain the front yard tree, compared to the boulevard tree. Prior to lots being reduced in size, it was typical for homes to have a boulevard tree and front yard tree. Based on this, it has been typical for residents to have a tree in front of the home that they are responsible to maintain.

The final concern was the need to maintain a good streetscape and urban forest. As discussed earlier in this report, staff would work with developers to ensure taller front yard trees are planted, regardless of lot size. Regarding the urban forest, having larger lots with more trees, or smaller lots with less trees, the final quantity will remain very similar. Also, tree mitigation and landscaping requirements will continue to ensure the overall quantity of trees in new neighborhoods is maintained.

Department Coordination

The challenges with boulevard trees and new development standards have been reviewed with the Engineering and Planning divisions. They are in support of moving away from a boulevard tree requirement, given the challenges that are being experienced. The Planning Division would look to enforce front yard tree requirements in a manner that would ensure a wooded streetscape is maintained.

Recommendation

Approve the removal of boulevard trees adjacent to homes in new developments and allow staff to update City ordinances to reflect this change.



City Council Action Request

13.C.

Meeting Date	1/22/2025		
Department	Community Development		
Agenda Category	Presentation		
Title	Modifications to the Issuing of Temporary Certificates of Occupancy		
Staff Recommendation	Review and provide direction on the proposed clarification of the TCO process limiting the issuance of a TCO between June 1 and October 1. Issuance of a TCO between June 1 and October 1 requires \$8,000 escrow prior to issuance.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>TCO Process Workshop CC Memo</td></tr></table>	1.	TCO Process Workshop CC Memo
1.	TCO Process Workshop CC Memo		



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Riley Rooney, Associate Planner
Genevieve Tester, EIT, Graduate Engineer

Date: January 16, 2025

Re: Modifications to the Issuing of Temporary Certificates of Occupancy

Background

City staff has had internal conversations regarding the process for the tracking and issuing of Temporary Certificates of Occupancy (TCOs) and Certificates of Occupancy (COs). The following memo provides context on the current process and the proposed adjusted timeline of TCO and CO issuance.

A TCO is a document that *can* be issued by the Building Department for the occupation of a newly constructed home. The TCO-related inspections include the non-essential building code items as well as exterior items including sod, curb box inspection, and as-built survey. TCOs are issued by the permit technicians upon the request of the builder when a home can be safely occupied by a resident. The inspections include additional building items as well as the exterior requirements: sod, boulevard tree, curb box, and grading as-built. City staff tracks the number and status of all issued TCOs to ensure the completion of all inspections and issuance of a final CO.

A TCO is not a requirement in the home construction process. If all inspections are completed prior to the closing date, a CO is issued and the TCO tracking and issuing steps need not be pursued. Homes constructed in the warm weather months should be able to complete all work and inspections, interior and exterior, without having to go through the TCO process. The full CO must be issued before the expiration of the building permit.

The intention of a TCO is to allow homeowners the ability to move into their new home during the times of the year where a full CO cannot be obtained due to our climate and weather conditions of colder months and inability to complete the exterior items (sod, boulevard tree, curb box, finish grading). In Cottage Grove; this time frame is typically November through April.

The TCO process was initiated to support builders during a high-demand housing market. While the city's current process has supported both the timelines of new residents and builders in the community, many of the outstanding and issued TCOs over the last handful of years have failed to be completed in a timely manner—this created a backlog of non-compliant TCOs. This failure to remedy outstanding inspections by the slated deadlines has created inefficiencies in staff process and resources; therefore, staff is considering another approach to how TCOs are managed.

As a rapidly developing suburban edge community, accommodating new residents and builders has been at the forefront of the city's internal decision-making process. City staff recognizes the

need to support the growth of the housing market and to provide residents with the best possible process and product; therefore, it is necessary to look upstream and revise the process as the industry evolves.

City staff is proposing to clarify the time of year when TCOs can be issued—a timeframe which aligns with the *intention* of the TCO process. The new process would allow TCOs to be issued October through June, but not during the warmer months when exterior items can be completed in a timely manner unless a Residential Temporary Certificate of Occupancy escrow is provided per the city’s fee table: \$8,000.00. This change would be for upcoming developments that are working through City Council approvals and do not have an established Development Agreement (DA).

Discussion

Data was pulled from the most recent calendar year (2024) to understand numerically the usage, and *when*, the temporary certificate of occupancy option was being exercised across various developments. Table 1 highlights nine developments with varying developers and lot totals. The months of April through November were designated as having warmer weather as these months have shown to provide acceptable weather conditions for sodding and planting. This coincides with the exterior requirements to install sod, plant trees, finish grading, and install the curb box.

DEVELOPMENT	DEVELOPER	TOTAL # OF LOTS	TOTAL TCOS	TCOS ISSUED APRIL – NOVEMBER	% OF LOTS WITH TCOS	% OF TOTAL TCOS ISSUED DURING WARMER MONTHS
HAWTHORNE 2ND ADD.	PULTE HOMES	106	52	45	49%	87%
GRAYMONT 1ST ADD.	LENNAR	60	33	31	55%	94%
RAVINE CROSSING	DR HORTON	79	14	13	18%	93%
SETTLER'S BLUFF 2ND ADD.	CAPSTONE	77	43	31	56%	72%
CALAROSA 6TH ADD.	LENNAR	86	38	23	44%	61%
EASTBROOKE 2ND ADD.	GONYEA HOMES	38	9	8	24%	89%
CARDINAL RESERVE	CARDINAL HOMEBUILDERS / MICHAEL LEE	59	8	6	14%	75%
WOODWARD PONDS	MI HOMES	116	37	28	32%	76%
HINTON WOODS	DR HORTON	61	49	36	80%	73%

Table 1: Temporary certificate of occupancy statistics for developments in the City of Cottage Grove in 2024.

On average, developers will obtain a TCO 40 percent of the time. Of the obtained TCOs, on average, 80 percent of them are issued in a month that is typically conducive to planting (April to November). In line with the intention of the TCO option, the 40 percent of TCOs that a builder seeks to obtain should only be sought after in cold weather months—an ideal 0 percent target figure in the warm weather months is significantly different than the 80 percent average.

When a TCO is issued, there is language in the DA that the outstanding items must be completed by September 15, if issued May through July, or by June 15 if issued August through May. Essentially, if a TCO is issued in the summer, the builder has until that fall to complete the out-

standing items. If a TCO is issued non-summer, the builder has until the following June to complete the outstanding exterior items. City staff is looking to limit the case where TCOs are issued in the summer, or the defined warm weather months. Builders are not taking accountability of TCOs that are nearing expiration or have expired and the tracking of this non-required option is not an efficient use of staff resources.

There are additional building requirements that the builders must satisfy to obtain a full certificate of occupancy, beyond the exterior requirements of sodding, tree planting, finish grading, and curb stop installation. The exterior items are those that are forgotten and are the cause of the lingering TCOs. Staff has seen the outstanding TCOs linger for several months, and years, without attention from the builder requiring continued staff follow up. There have been no repercussions for not meeting the TCO expiration date. The builders' noncompliance is evidence of them abusing the TCO system. If the city limits the TCO option by initiating the Residential Temporary Certificate of Occupancy escrow in the warm weather months, the builder's will be encouraged to get a full CO; once a full CO is issued, staff is no longer required to perform follow-up with the property—it has met all city criteria.

As an example of the current failing system, in the fall of 2024, one of the developers working in Cottage Grove held roughly one-third of all TCOs issued over the last handful of years; 94 percent of the TCOs had expired. Cottage Grove residents were living under expired TCOs. In the most extreme cases, homeowners had these exterior finishes—boulevard tree, sod, finish grading, and curb stop installation—outstanding for two consecutive summers. By eliminating the TCO option in the warm weather months, builders would have to complete their work before the city issues any sort of occupancy allowance. On the city side this would mean a continual effort to monitor submittals and inspections. Reviewing and processing the various checklist items required for a full CO naturally takes some time and is not efficient.

City staff is prepared to complete the necessary inspections required to approve a full CO in a timely manner. This requires builders to, timewise, communicate better with the city to get inspections scheduled and problems resolved before closing on the home. City permit technicians work diligently to schedule inspections as they come in and communicate timelines. City building inspectors are at full capacity during the busy building season to complete the necessary inspections.

The experience with this developer in the fall of 2024 sparked interest within city staff to better understand how and why this happened and potential solutions to make the home building, home inspection, and home buying process better for all respective stakeholders. The data pulled showed that all developments and developers were offenders of the disproportionate percentage of total TCOs issued during warm weather months. Moving forward, the city is looking to tighten up and modify the issuance of temporary certificates of occupancy for all developments within the city. This modification would not apply to existing developments working under an established DA.

This change would benefit the homeowner as they would have their exterior finishes city-approved at the time they move into their home (if between June and October). In the event, the homeowner moves in during a cold weather month, their TCO would expire June 15 based on existing policy. Staff would continue to track this date to keep the builder accountable to complete outstanding items required as part of the TCO.

The city is not legally obligated to provide builders with the TCO option. It is because of the Minnesota climate that a TCO can be pursued, to keep the home closeout process on track during the cold weather months.

Comparable Communities

The City of Woodbury does not issue TCOs as part of their home occupancy process. If a project anticipates a CO over the cold weather months or is nearing a CO prior to having all site conditions completed, Woodbury city staff requires the builder to enter a Memorandum of Understanding which lists the site items, including exterior inspections, required to be finalized within 90 days of the issuance of a CO. In other circumstances, financial security is provided that is not released until all site items are finalized regardless of the issued CO. When a new Memorandum of Understanding is established, Woodbury staff creates calendar notices including the party entering into agreement to establish end dates and/or scheduled check-in times.

The City of Burnsville does not issue TCOs in the warm weather months. Instead, they require all sodding and landscaping to be “properly installed” within 10 days (weather permitting) of the date of occupancy or by June 18 if occupancy takes place between September 1 and May 31. A TCO can be issued during winter conditions, when plants cannot be installed due to the weather. The City of Burnsville will then specify a date for landscaping to be installed during the growing season.

The City of Lakeville sparingly uses TCOs. However, there are circumstances in the winter months where a TCO needs to be issued, if, for example, sump pump connections to storm sewer lines need to be dug in. Landscaping and grading requirements are not included as part of the mandatory checklist to issue a CO, instead, they are addressed with cash escrows.

Communication

As city staff works with developers in the early stages of the development process, the TCO standard and fee implementation will be communicated and included in the development agreements moving forward. This will allow developers to prepare their landscape installation process as well as communicate with their builders as needed.

This communication process has started with the developer (Pulte) of the Prairie Dunes development (north of 105th Street, west of Hadley Avenue) who will be seeking final plat review and action by the City Council at their February 5, 2025, meeting. Specific TCO language limiting the option for a TCO between June 1 and October 1 is being implemented in this agreement with the developer for Council review. City staff has notified the developer of this coming change. The feedback was to consider a July 1 start date for the TCO prohibition as sod is challenging to obtain before the 2nd week in May.

In addition, city staff seeks feedback from builders annually within the community at which time staff will communicate and clarify the proposed changes to the existing TCO process. Staff is working through a policy to easily share with and educate builders and developers of the amended process by the annual meeting. This year’s meeting is scheduled for this coming March.

Recommendation

It is recommended that the City Council review and provide direction on the proposed clarification of the TCO process limiting the issuance of a TCO between June 1 and October 1. Issuance of a TCO between June 1 and October 1 requires \$8,000 escrow prior to issuance.

Prepared by:

Genevieve Tester, EIT, Graduate Engineer
Riley Rooney, Associate Planner