CITY COUNCIL MEETING

Tuesday, February 4, 2025 at 7:00 PM
Council Chambers, City Hall at 540 West Hills Circle
Roll Call: Council Members Voss, Dotson, Burbank, Boeke, McCann, Svenby and Raney

PLEASE NOTE: At 5:30 p.m. Council will meet in a Study Session in Council Chambers, City Hall at 540 West Hills Circle. Roger Warehime, General Manager at Owatonna Public Utility CEO will give a brief update on operations and then there will be a discussion on ordinance updates. If time permits, there will be general updates on various boards and commissions.

1. **INTRODUCTORY ACTIONS:** Call to Order; Roll Call and Pledge of Allegiance
   - 1.1. Council Agenda
   - 1.2. Mayor Jessop
2. **CONSENT AGENDA ITEMS**
   - 2.1. Minutes – Council Meeting – January 17, 2025
   - 2.2. Board / Commission Minutes
     - 2.2.1. Planning Commission Minutes - December 10, 2024
     - 2.2.2. EDA Minutes - December 18, 2024
     - 2.2.3. Airport Commission Minutes - December 19, 2024
     - 2.2.4. OPU Commission Minutes - November 26, 2024
   - 2.3. Licenses/Permits
     - 2.3.1. Event Permit - BobFest - Foremost Brewery - February 22, 2025
     - 2.3.2. Exempt Permit - Mn Pheasants Inc Raffle - March 1, 2025
     - 2.3.3. Temporary Liquor License - Steele Co Historical Society - April 22, 2025
     - 2.3.4. Revoke On-Sale with Sunday Sales Liquor License - Lacey's at Brooktree
   - 2.4. Miscellaneous
     - 2.4.1. Joint Powers Agreement for Human Resource Background Checks - BCA
3. **ACTION ITEMS**
   - 3.1. Finance Report
   - 3.2. Ordinances
     - 3.2.1. Second/Final Reading Proposed Ordinance 25-03: Adjust Sanitary Sewer Rates
     - 3.2.2. First Reading Proposed Ordinance 25-01: Amend Section 93.029 - Noise in Public Parks
     - 3.2.3. First Reading Proposed Ordinance 25-02: Amend Chapter 95, Noise Control

3.3. Resolutions:

3.3.1. Resolution 7-25 Premises Permit to Conduct Lawful Gambling at Mineral Springs Brewery - Owatonna Youth Hockey

3.4. Miscellaneous

3.4.1. Amendment #4 - Professional Services Agreement for Staff Augmentation - WHKS & Co.

3.4.2. Consulting Services - Asset Development Consulting for Renewable Natural Gas - EcoEngineers

3.4.3. Festal Farms Land Donation - The Trust for Public Land

4. STAFF REPORTS

5. PUBLIC COMMENTS: Please limit comments to 2 minutes. Please approach the microphone, sign-in and state your name and address for the record after being acknowledged by the Council President. Speakers will be limited to two minutes to deliver their comments. Those speaking are asked to conduct themselves in a respectful manner as they deliver their comments. Audience members are asked to refrain from reacting to comments. The City Council will not respond directly to comments in this venue or take immediate action in response to them.

6. COUNCIL COMMENT AND GENERAL INFORMATION

7. ADJOURN

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7. ADJOURN

CITY OF OWATONNA

Mayor Jessop

Owatonna City Council Minutes
January 21, 2025 – Draft Copy

On Tuesday, January 21, 2025, at 7:00 p.m., Council President Raney called the regular session of the Owatonna City Council to order in the Chambers of the Charles S. Crandall Center. Present were Council Members Svenby, Voss, Burbank, Boeke, and Raney; Mayor Jessop; Public Works Director Murphy; Community Development Director Klecker; IT Systems Administrator O'Connor; Assistant City Administrator Tuma, City Attorney Walbran; City Administrator Busse and Administrative Coordinator Clawson. Council Members Dotson and McCann were unable to attend.

Following the Pledge of Allegiance, Council President Raney welcomed everyone. Council Member Boeke made a motion to approve the agenda as presented, Council Member Burbank seconded the motion, all members present voted aye in approval.

Mayor Jessop – Proclamation of Winter Salt Awareness Week - January 27-31, 2025

Mayor Jessop proclaimed the last week of January, as Winter Salt Awareness Week. Brad Rademacher, Water Quality/Stormwater Specialist requested this proclamation to raise awareness among residents, businesses and local government agencies about the responsible use of deicing salt to protest both public safety and the long-term health of our freshwater resources. Winter Salt Awareness Week provides an opportunity to educate our community about the responsible use of deicing salt, including environmental considerations and effective application methods. Promoting a sustainable approach to winter maintenance will maintain safety and reduce environment harm to present and future generations.

Consent Agenda Items

Council President Raney explained council members review the Consent Agenda items prior to the meeting for approval in one motion. Consent Agenda items for this meeting include:

- Minutes – Council Meeting – January 7, 2025
- HRA Minutes - October 28, 2024
- HRA Minutes - November 25, 2024
- Airport Commission Minutes - October 17, 2024
- Airport Commission Minutes - November 21, 2024
- EDA Minutes - November 20, 2024
- Human Rights Commission Minutes - December 10, 2024
- Brewer Off-Sale and Taproom On-Sale Licenses - Mineral Springs Brewery at 201 N Oak Avenue for the remainder of the current license period, June 30, 2025.
- Temporary Liquor Permit - St Mary's School of Owatonna - March 22, 2025
- Renew Contract - Electrical Work - Four Seasons Electric
  Two-year contract for electrical services city-wide, original contract January 2022.
- Airport T-Hangar Lease Agreements
  Kor, Katie, Montgomery MN – 1-year Building 4, Unit A
  Kor, Katie, Montgomery MN – 1-year Building 4, Unit K

Leher, Joe, Faribault, MN – 1-year Building 1, Unit H
Petterson, Jason, Albert Lea, MN – 1-year Building 3, Unit B

Airport Non-Commercial Hangar Land Lease Agreement Renewal - JPF Ventures, LLC
The tenant wishes to renew the initial 20-year term of the existing private hangar land lease. The renewal term provided in the new lease agreement is for ten years. The premises are not needed for airport or other general aviation purposes and the hangar building is in good repair and suitably maintained. The land lease rental fee provided for in the agreement is $1,088.00 for the first year of the lease. Thereafter, the rent payable under the lease is adjusted annually utilizing an escalator based on the Consumer Price Index (CPI).

Used Computer Donation - Riverland Community College
The Riverland Community College (RCC) Law Enforcement program coordinator solicited area law enforcement agencies for used police mobile computers to assist students learning with real life experience. Our police mobile data computers are replaced every five years. Fall of 2024, the city replaced 15 "rugged" squad car computers which are now ready to be recycled; Panasonic Latitude 5414 Rugged mobile computers. Ryan Brown, Information Technology Director, supports this donation and has removed the hard drive from each computer containing all law enforcement sensitive data,

Statement of Work & Scope of Services - Gallagher
In 2022, the city approved a Master Agreement for Professional Services with Gallagher. This Statement of Work & Scope of Services includes ongoing job evaluations and development of job descriptions in 2025. These ongoing services with Gallagher will be utilized to maintain class specifications in alignment with the Compensation Plan, cost will be $12,500.

Council Member Svenby made a motion to approve these Consent Agenda items, Council Member Boeke seconded the motion; all members present voted aye for approval.

<u>Finance Report</u>

Council Member Voss recapped payments made for amounts greater than $20,000 during this period.

$	47,268.76	Cargill Inc - deicer road salt
	67,242.00	Coalition of Greater Mn Cities - 2025 general membership dues
	57,898.00	Crysteel Truck & Equipment - utility box unit #24606
	31,427.74	Heiman Inc - Fire department turn out gear
	72,444.00	Integrated Process Solutions I - 26th St lift station control panel - Pay Est #1
	23,854.00	League of Mn Cities - 2025 membership dues
	68,239.16	Nero Engineering
		- WWTF upgrade & expansion project - December 2024 - $58,619.16
		- PFAS Preventative Management Plan project - $9,620.00
	151,524.16	Open Gov - 2025 subscription

44,600.00	Owatonna Heating & Cooling Inc - Social Commons roof top heat & air conditioner replacement - $22,700.00 - Maintenance shop - installation of Make Up Air unit - $21,900.00 - maintenance prevention and service call - $5,709.25
26,716.00	Short Elliot Hendrickson Inc - Airport 2024 roof replacement study
270,668.42	Steele County Auditor - LEC generator
23,533.60	WHKS & Co - staff augmentation for Nov 2024
254,227.97	Other Expenditures
$1,139,643.81	TOTAL EXPENDITURES PRESENTED FOR APPROVAL

Council Member Burbank made a motion to approve payment of all bills presented, Council Member Boeke seconded the motion, all members present voted aye in approval.

First Reading Proposed Ordinance 25-01: Amend Section 93.029 - Noise in Public Parks and First Reading Proposed Ordinance 25-02: Amend Chapter 95, Noise Control

City Administrator Busse requested action on these proposed ordinances be tabled to the next meeting. Council Member Voss made a motion to table both proposed ordinances, Council Member Boeke seconded the motion, all members present voted aye in approval.

First Reading Proposed Ordinance 25-03: Adjust Sanitary Sewer Rates

Public Works Director Murphy requested approval of the first reading of Proposed Ordinance 25-03 to change the rates for sanitary sewer related to Chapter 35 of the 2015 Ordinance Code of the City of Owatonna related to Appendix A Fee Schedule, (C) Sewer Rates, charges,, and fees, (2) Industrial sewer rates and charges established, (3) Domestic sewer rates and charges established.

Annual adjustments of the sanitary sewer rates are necessary to maintain adequate funding for future operations and to fund the costs of the wastewater treatment facility expansion. Staff and Consultants from Nero Engineering and AE2S presented information at the January 7th Study Session. Their presentation was included in tonight's meeting packet and the proposed rates in the attached draft ordinance reflect what was presented. We discussed some of the CIP projects that were identified in our 2023 Collection System Study and their contributions to the rate increases. There was discussion on a new component to our treatment process that can increase non-rate payer revenue, Renewable Natural Gas or RNG. This is not currently accounted for in our rate model and staff will be working Nero Engineering and another consultant to help maximize our return on RNG on a year-to-year basis. Council Member Boeke made a motion for approval, Council Member Voss seconded the motion. With a roll call vote, voting aye were Council Members Svenby, Voss, Burbank. Boeke, and Raney; No Nays; the motion carried. The second/final reading will be heard during the next Council Meeting on February 4, 2025.

Resolution 5-25 2025 Street & Utility Project- Receive Report and Set Public Hearing

Public Works Director Murphy Requesting approval of Resolution 5-25 to approve the 2025 Street & Utility Project Feasibility Report and set a date for the Preliminary Assessment Public Hearing. The project involves work on the following streets:

- Linn Drive SW
- Oakdale Street SW - From Linn Drive to 2nd Avenue SW

The existing street improvements have exceeded their useful life. A Preliminary Assessment Public Hearing is requested for Tuesday, February 18, 2025. The 2025 Street & Utility Project will be financed through a combination of City Funds, OPU Funds, and Special Assessments. The total cost to be assessed is currently estimated at $234,916.24 among 39 property owners. Council Member Svenby made a motion for approval, Council Member Boeke seconded the motion, all members present voted aye for approval.

Resolution 6-25 Premises Permit to Conduct Lawful Gambling at Train Station Bar & Grill, LLC - Owatonna Wrestling Association

City Administrator Busse requested approval of Resolution 6-25 to approve an application received from Owatonna Wrestling Association (OWA) to conduct lawful gambling (pull tabs) under a lease agreement with Train Station Bar & Grill, LLC at 137 W Bridge Street. Council Member Voss made a motion for approval, Council Member Boeke seconded the motion, all members present voted aye for approval.

26th Street Lift Station SCADA Programming Services

Public Works Director Murphy approval of an agreement with Advanced Engineering and Environmental Services, LLC (AE2S) for 26th Street Lift Station SCADA Programming Services. The 26th Street Lift Station has been undergoing rehabilitation to update panels and components that will allow for SCADA integration to improve efficiency in management of the collections system. As part of the upgrade and SCADA integration the panels will require programming. SCADA Programming Services consist of professional programming services for the Programmable Logic Controllers (PLCs), Operator Interface Terminal (OIT), cellular communications equipment, and SCADA software related to the Project. Services are not to exceed $21,910 without prior authorization. Council Member Burbank made a motion for approval, Council Member Boeke seconded the motion, all members present voted aye for approval.

Purchase Property - 315 Lemond Road

Community Development Klecker requested approval to purchase the property at 315 Lemond Road for flood mitigation. The city has previously removed eight homes from the floodplain on Lemond Road following previous flooding events. Application for DNR flood grant funds to remove additional homes in the floodplain was submitted late last year. The City has a signed purchase agreement to purchase the property at 315 Lemond Road, the house is one of two homes remaining along Lemond Road that are within the floodplain. The purchase price is $220,000 and is contingent on receiving the DNR grant.

Grant funds would be secured within the next few weeks and then close on the property on or before April 30th. The house would then be removed and the property restored for park land and become part of Morehouse Park. The total project costs are estimated at $260,000. We have $20,000 remaining from an existing grant to apply for this project. The new grant would then cover one half of the remaining project cost, $120,000. The City's portion would be paid from the City's Match Grant Fund Account. Council Member Burbank made a motion for approval, Council Member Svenby seconded the motion, all members present voted aye for approval.

Single-Family Lot Incentive Program

Community Development Klecker presented a Single-Family Lot Incentive Program as an effort to encourage existing lots to be built upon. This program will address engineering costs associated with meeting stormwater requirements on existing lots that do not have an approved grading plan. Staff request the city contribute $2,500 to each house constructed that meets this requirement. This amount should cover engineering costs for completing such grading plans for the lot which has been an obstacle to building single-family homes on existing lots. This is consistent with the discussions at a previous Council Study Session. Staff recommend this as a pilot program during 2025 which will be evaluated at the end of the year for future consideration. We would also allow any permit being issued since the study session last year be eligible for the program as was stated during the study session. We anticipate there will be 10 homes that would qualify for this program in 2025, an estimated cost of $25,000 out of the 2025 budget. Council Member Voss made a motion for approval, Council Member Burbank seconded the motion, all members present voted aye in approval.

Renew Microsoft Agreement – SHI

IT System Administrator O'Connor requested renewal of the Microsoft License Agreement. This is a three-year agreement through January 31, 2028. Every three years we renew our Microsoft License Agreement; our reseller is SHI. This agreement helps us plan and budget at a known amount. This covers all the software licenses that we use, including Microsoft Teams, secure cloud storage, business email, and all Microsoft Office applications across devices, advanced cyberthreat protection and device management. Costs for this renewal agreement will be $114,712.67 each year. Council Member Boeke made a motion for approval, Council Member Svenby seconded the motion, all members present voted aye in approval.

Pay Equity Compliance Report

Assistant City Administrator Tuma requested authorization to proceed submitting the Pay Equity Compliance Report to the Minnesota Management and Budget for preparation of the city's compliance audit. Information includes General Job Class Information, Statistical Analysis Test, Salary Range Test and Exceptional Service Pay Test. Council Member Burbank made a motion for approval, Council Member Voss seconded the motion, all members present voted aye in approval.

STAFF COMMENTS

IT Tim O'Connor commented IT staff has been busy setting up the new Records Office at the Law Enforcement Center, preparing for presentation of "The State of the City" during the Employee All Hands Meeting tomorrow afternoon and computer and server updates.

Community Development Director Klecker commented several renovations were just at the airport. The new roof on the dome hangar just needs trim to complete. Staff have been working to create more office space for Accelerated Aviation which they will lease. New carpet and lighting have been installed in the lobby. Additional projects in the 2025 CIP will be to update Airport Zoning to allow an extended runway, bi-fold door on the dome hangar, card reader access, expand and resurface the parking lot. The current lease with Accelerated Aviation is a 5-year lease, this is year five. During conversations, they have indicated they want to stay and want to consider offering a maintenance component which we would like them to provide and will begin negotiating a future contract for council consideration.

PUBLIC COMMENTS

Glen Wolf, 528 Truman Avenue requested synchronization of traffic lights in Owatonna. Most surrounding cities (Rochester, Mankato, and Faribault) have synchronized traffic lights. He lives on the east end of town and passes through eight traffic lights to get to work in the Industrial Park. Coming to tonight's meeting, he was stopped at four of five lights, causing a delay in his arrival. Saturday, while in Rochester, he drove through five of six lights with no red lights. Tonight, he spoke with another resident who is also frustrated that our city lights are slow, synchronized lights would bring gas savings and increase safety. He encouraged this to become a reality, we want to be a progressive city and we need to be more progressive with synchronized traffic lights.

Mellissa Zimmerman, 2525 Stony Creek Drive commented that for the last 2 ½ years, she has been advocating for open dialog between Council Members and their constituents. She has learned a lot and questions when is community input is considered? When decisions hit your desk, it is too late. Our Community Development Projects include community input but in most council decisions, I feel the citizen is unheard and disconnected from the process? Can we create a regular forum to allow citizens opportunities to ask questions and receive feedback involving smaller everyday decisions? Let's build a city where voices can be heard, I have some ideas and would love to be heard if given some time to be heard.

Matt Sennett, 2519 Stoney Creek Drive commented he would echo what Melissa just said. For the last year and a half, we have craved information to collaborate with Steele County for a project in our area. With no collaboration, they did more studies at the expense of $298,000-$426,000 to backtrack and redo information. These studies would not have been needed if they had collaborated with those that have information. We presented a plan to move the proposed route of the East Side Corridor to the east just a bit. We hope the county listens and that you, as an equal partner, will listen and consider this hybrid plan.

Gary Jones, 995 Ridge Road distributed a photo of a deer stand close to a trail and a display of a Owatonna Trails Association (OWA) notice shown along the trails regarding Ongoing Maintenance Activities. He questioned the difference between a maintained wood

chipped trail and a paved trail? The wood chipped trail in the disc golf park should not be within 150' of mowed grass but a paved biking trail is maintained within 26' of a deer stand. There should also be a minimum of 150' between any type of trail and deer stands.

Annie Harmon, Editor of the Peoples Press, commented the Owatonna Business Women will host the 2025 Women of Achievement Celebration on March 15th. During this event, they will recognize the 2025 Woman of Achievement and nominees for this award, a Life Achievement Recipient, and a Young Careerist. Everyone is invited to attend this event; fund proceeds are used towards women scholarship opportunities.

MAYOR AND COUNCIL COMMENTS:

Council Member Voss commented he attended the Martin Luther King Jr. Day Event hosted by the Owatonna Human Rights Commission (OHRC). The luncheon, held at the History Center, was well attended. He appreciates the work of the OHRC and thanked them for hosting this event.

Mayor Jessop commented he also attended the OHRC event for MLK Jr. Day and agrees with Council Member Voss that it was a fantastic event. There was a good speaker with thought-provoking comments. The Human Rights Commission did a great job hosting this event.

At 7:51 p.m., Council Member Burbank made a motion to adjourn, Council Member Svenby seconded the motion and with no objection, the meeting ended.

Respectfully submitted,
Jeanette Clawson, Administrative Coordinator

Board - Commission Minutes

OWATONNA PLANNING COMMISSION MINUTES FOR DECEMBER 10, 2024

The Owatonna Planning Commission met in regular session at 5:30 p.m. in the Crandall Center – Chambers with Chairperson Kelly Rooks conducting the meeting. Present at roll call were Commissioners Kelly Rooks, Rachel Springer-Gasner, John Eickhoff, Nick Peake, and Dave Effertz. Commissioner Mark Meier was absent. Community Development Manager Greg Kruschke and Senior Administrative Technician Kristen Kopp were also present.

A motion was made by Springer-Gasner and seconded by Peake to approve the minutes of the regular meeting of October 8, 2024. All Commissioners voting Aye, the motion carried.

Application No. RZ-9, which is a request by Anna Lee on behalf of the Lee Foundation to rezone property from R-1, Single Family Residential, to R-6, High Density Residential District, for the purposes of providing group housing for the property located at 545 Florence Avenue NW, was presented by Community Development Manager Greg Kruschke. (Refer to report on file.) Public hearing opened at 5:34 pm. Anna Lee thanked the Commissioners for taking time to hear her request and appreciates their consideration. The Lee Foundation has been in existence since 2014 and Dr. Lee has been in manufacturing in Owatonna for the last 27 years and wanted to pay Owatonna back. His idea is to have the foundation focus on enriching the culture and education of students. She said they are immigrants and have benefited from all of the education they've got from the state. They want to get young people educated and trained. Owatonna is a great city, but affordable housing has been lagging. She said the workers have to have a good living standard and affordable housing is precious and a challenge. When this West Hills building was available, the Lee Foundation put forth the initiative to use the building for workforce housing. The building has 20 rooms, a commercial kitchen, and up-to-code bathrooms. The goal is for low-income housing or working with a staffing agency who provides manufacturing jobs. Dr. Lee said they've lived in Owatonna since 1996 and brought their family here. He said the Foundation has a scholarship for students. They purchased this building in Covid time. They've talked with some of the people who lived there when it was a treatment center. He said they have put in a lot of effort to fix up the building to get it ready. A motion was made by Effertz and seconded by Wilson to recommend City Council approval of the rezoning property from R-1, Single Family Residential, to R-6, High Density Residential District, for the property located at 545 Florence Avenue NW. All Commissioners voting Aye, the motion carried.

Kruschke said that there is a Notify Me sign-up for the Vine Street Parking Lot that will text or email to let people know when the lots will be plowed. The goal is to open it up a little more—they shouldn't have to close the lot one night a week unnecessarily. Springer-Gasner said it looks great, but she's heard complaints about the stall sizes being small. Wilson asked if the app would be expanded to other lots. Kruschke said this is a test and they will see how it goes.

A motion was made by Springer-Gasner to adjourn and seconded by Effertz at 5:51 p.m. All Commissioners voting Aye, the motion carried.

Respectfully Submitted,

_____

Greg Kruschke
Community Development Manager

EDA
Minutes
December 18, 2024

The Owatonna Economic Development Authority met in regular session at 4:00 pm in the Charles S. Crandall Center – Chambers at City Hall Building with President Raney presiding. Commissioners present: Dan Boeke, Andrew Cowell, Patrick McDermott, Corey Mensink, Kevin Raney, and Doug Voss. Commissioners absent: Brian Savage. Also present were Troy Klecker, Brad Meier, Lisa Cochran, and Kristen Kopp.

Approval of Minutes. Commissioner McDermott moved approval of the minutes of the November 20, 2024 meeting with second by Commissioner Cowell. All Commissioners voting Aye, the motion passed.

Treasurer's Report. Community Development Director Troy Klecker presented the revenue and expense reports for November. He said that they will be under budget for several items this year.

Loan Report. MainStreet Director Lisa Cochran presented the loan report for November. She said that all loans are current.

OACCT / OPED Report. OACCT President Brad Meier presented the OACCT / OPED Report for November. He said that they're working on the next Made in Owatonna Days. They will get to host a statewide group at OHS in January. OPED went through strategic planning with Kent Myers recently. There were a couple of Council Members and County Commissioners that joined them as well. They welcomed Neighbors' Meats and Daisy Blue Naturals to Owatonna last night.

OABDC Report. MainStreet Director Lisa Cochran was present to answer any questions regarding the OABDC Report.

EDA Projects. Community Development Director Troy Klecker presented the EDA Projects for November. He said Cemstone is trying to figure out what they're going to do for the retail side. They talked about buying the eastern portion of the land that the City now owns. There will likely be a request to use the existing site on North Street beyond the end of the lease period at the end of May. The office space works out well for their dispatch right now. The main objective was to get the heavy industrial use off that space, which they did accomplish. He said that there is a letter of intent signed for 117 Bridge Street W. They have a six month due diligence period. At the end of that time, they will need a purchase agreement. Scooter's is nearly done. Boeke asked if Renneberg Hardwood was still planning to build. Klecker said that they plan to build in the spring. They bought two lots from the City and ended up buying a third lot from Andy Michaletz. Mensink asked about the Zamboni Event Center. Klecker said that they can host market events because that is a similar use to what was there. They will need an architect to look at the event space to make sure it meets Building Code.

New Business.

Discuss Different Address, Different Business, Same Building Policy. MainStreet Director Lisa Cochran said that a building owner and his partner have put in an application for a forgivable loan for a building with two separate businesses between Bridge and Broadway. (They are wondering if they could apply for two loans—one for each of the separate businesses.) Klecker said that right now the loans are per property, but if you have one building that has two frontages, it appears to be two buildings, with one owner. They are physically separated, so the two businesses run independently. There are buildings that have multiple businesses, but this is a unique situation. He said there is a way of wording the policy for these kinds of situations. Raney said that one of City Council's goals was to revitalize downtown Owatonna and part of that is to have good-looking storefronts. Cochran said that the owner benefits, but it really benefits the downtown as a whole as well. Klecker said that they could word it as two separate facades, separate (nonadjacent) frontages, and separate businesses. Klecker said they could write it into the criteria or it's an exception to the rule that is approved on a case-by-case basis. Mensink said he would be more inclined to do it on a case-by-case basis. Mensink asked if it would ever be possible to split the building and sell it separately. Voss said that the big picture is that we're getting two renovated facades. Klecker recommended changing the wording of the program to narrowly qualify this scenario. He said we have to show some consistency in how we're awarding forgivable loans. The Commissioners agreed with this concept. Cowell asked if this policy change is for 2025. Klecker said no, this would be for 2024. We're expanding it to qualify for 2024 dollars and the EDA has to decide if they are reupping it for 2025. A motion was made by Cowell and seconded by Boeke to proceed with changing the wording of the 2024 EDA Loan Program to allow for two loans for the same property so long as it has two separate facades, separate (nonadjacent) frontages, and separate businesses. All Commissioners voting Aye, the motion passed.

Discuss Businesses that will not be utilizing approved loans in 2024. MainStreet Director Lisa Cochran said that Family First did not get her 2023 project done because of issues with the streetscape. Cochran said she would tell her she can reapply in 2025. A motion was made by Mensink and seconded by Cowell to rescind the designated funds from 2023. There was some discussion about where the unused funds would go. Klecker said unused funds have typically gone back into the Forgivable Loan Program and it's open to anyone who applies. All Commissioners voting Aye, the motion passed. Cochran said there are two from 2024 who have not started yet, but they haven't hit the 12-month deadline yet.

Low Doc Loan: Owatonna Family Thrift – Tier 1, up to $5,000. Community Development Director Troy Klecker said that Owatonna Family Thrift would be constructing handicap accessible bathrooms. They are hoping to open in January. He said the Tier 1 Loan requires very little documentation—it was intended to be easy to get. If approved, they will still go through all the loan documents. A motion was made by Mensink and seconded by McDermott to approve the Low Doc Loan for Owatonna Family Thrift – Tier 1. All Commissioners voting Aye, the motion passed.

Second Floor Challenge. MainStreet Director Lisa Cochran said that three addresses applied for the challenge. The committee met and after looking through the applications and the criteria,

they would like to award it to 118 Cedar Avenue N, which is Re/Max, who plans to expand their business. The committee felt this was a better fit than apartments at this time. A motion was made by Mensink and seconded by McDermott to approve awarding the $20,000 grant to 118 Cedar Avenue N. All Commissioners voting Aye, the motion passed.

Schedule Next Meeting. The next EDA meeting is scheduled for **January 15, 2025** at 4:00 pm. in Charles S. Crandall Center – Chambers at City Hall.

Adjournment. There being no further business, a motion was made by Commissioner Boeke and seconded by Commissioner Cowell to adjourn the meeting at 5:07 pm. All Commissioners voting Aye, the motion passed.

Airport Commission Meeting Minutes
December 19, 2024 – Charles S. Crandall Center – Meeting Room, City Hall
"DRAFT"

1. Call to Order

   Chair Thurnau called the meeting of the Airport Commission to order at 8:00 am.

2. Roll Call

   Commissioners Attending

Anthony Louris	Vice Chair
Dave Purscell	Commissioner
Daren Tarpenning	Commissioner
Matt Thurnau	Chair

   Commissioners Absent

Tim McManimon	Commissioner
Greg Krueger	Commissioner
Madeleine Haberman	Commissioner

   Staff Attending

Dave Beaver	Airport Manager
Troy Klecker	Community Development Director
Kristen Kopp	Sr. Administrative Technician

   Visitors Attending

Melissa Underwood	SEH, Inc.
Jake Jorgenson	SEH, Inc.

3. Approval of Agenda

   Commissioner Louris made a motion to approve the agenda and Commissioner Purscell seconded the motion. All Commissioners voting Aye, the motion carried.

4. Minutes

   Commissioner Tarpenning made a motion to approve the minutes from the November 21, 2024, Airport Commission meeting and Commissioner Louris seconded the motion. All Commissioners voting Aye, the motion carried.

5. Action Items

   Chair Reports

   None.

Staff Reports

Airport Manager Dave Beaver said that today is the first snow removal event for the airport. Activity has been going steadily up over the last several years. He said that they are trying to resolve traffic conflicts with the users and another area flight school. He said he wants to follow standard flight procedures. Beaver said he met with Commissioners Haberman and Tarpenning about the lease agreements. Commissioner Tarpenning said they want to continue to regulate what's happening on the ground and let the FAA regulate what happens in the air. They talked about building out a procedure manual. He said the goal is to have a draft in January or February. Beaver said he called a lot of his colleagues in the area and that so far has not found another comparative rules manual. Beaver gave an update on the Airport's renovations and the card reader. They want us to sign a three-year service agreement. He needs to have Council and the City Attorney look at it. He said that a lot of tenants have picked up their access cards for the new security gates.

Dome Hangar #10 Roof Replacement Project Update

Airport Manager Dave Beaver gave an update on the Dome Hangar Roof Replacement. They mobilized last Tuesday and have a crew of about 20 people a day working on the roof. Jake Jorgenson said they cleared both of the roofs and are working on the vapor barrier and will be doing insulation soon. Commissioner Tarpenning asked if the weather affects the quality with the low temperatures. Jorgenson said the specific product they're using is good to 25 degrees. They're watching the weather, but it's looking warmer this next week. He said they have replaced some of the roof decking and plywood. Beaver said it's a 30-year membrane.

2025 Rates and Charges

Airport Manager Dave Beaver handed out a Rates and Charges Schedule with proposed changes for 2025, as well as a survey of rates and charges of Minnesota Airports. . He said that each there appear to be various ways that other communities assess rates and charges with some doing an automatic 3% increase a year. Commissioner Purscell said that this may not reflect market rates and may result in lost business. Commissioners Tarpenning said, looking at the data, we're in the range of what our competitors are. Community Development Direct Troy Klecker said that he likes the annual comparison of the market rather than a built-in 3%. Commissioner Tarpenning asked how much they increased last time. Beaver said they held steady last year with no increases. Klecker suggested adding a note to the Private Hangar Land Lease rates that these are the starting rates for new leases. After the first year, there is an escalator built in, which may differ from the rates for a new lease. A motion was made by Commissioner Tarpenning and seconded by Commissioner Louris to approve the 2025 Rates and Charges as proposed with the change to Private Hangar Land Leases that Troy Klecker noted. All Commissioners voting Aye, the motion carried.

2025 Farm Land Lease Rates

Airport Manager Dave Beaver said that the Airport Commissioners reviewed the farm land bids at their last meeting. He also submits a negotiated rate for non-bid pieces that don't have good access. He typically talks to farmers and the U of M Extension Office. The U of M is predicting land rental prices to go down. He said he is proposing to leave the land rate at $255/acre. This would be for three or four small pieces of land. Commissioner Louris said

$255 seems reasonable based on the data with neighboring counties having similar rates. Beaver said he would like to get these pieces to the bid side of the leger in the future. A motion was made by Commissioner Louris and seconded by Commissioner Tarpenning to approve the 2025 Farm Land Lease Rates. All Commissioners voting Aye, the motion carried.

6. Adjournment
   The Airport Commission meeting was adjourned at 9:21 am.

The Owatonna Public Utilities Commission met in regular session in the Morehouse Conference Room at the Owatonna Public Utilities. Present were Commissioners Zirngible, Rossi, Johnson, Vetter and McLane. Also present were General Manager Warehime; City Administrator Busse; Director, Finance & Administration Olson; Director, Engineering & Field Services Fenstermacher; Director, Information Technology & Metering Baum; Supervisor, Accounting Linders; Executive, Communications & Administration Coordinator Schmoll; and Accountant Lori Jerpbak. Also present were SMMPA CEO Dave Geschwind and SMMPA Director of Operations & COO Jeremy Sutton.

President Zirngible called the meeting to order and led the Pledge of Allegiance. He then asked for any changes to, and/or approval of, the agenda and consent agenda. The consent agenda items consisted of the October 22, 2024 Commission meeting minutes, the November 4, 2024 special budget Commission meeting, and the contributed services report as of October 31, 2024. Commissioner Johnson moved to approve the agenda and consent agenda items. Commissioner Vetter seconded the motion. All Commissioners voting aye, the motion passed.

Committee Reports

Finance Committee – Commissioner Johnson reported the Finance Committee met, reviewed and approved vouchers totaling $5,776,483.19. Three work orders were closed. Work orders remain under budget with 58 still open for approximately $15 million dollars. Financially, all three utilities are above plan in regards to net income.

Personnel Committee – Commissioner Rossi reported the Personnel Committee met and received a staffing report. The recruitment for the Meter Serviceworker – AMI position is in the interview process with two candidates interviewing.

City Administrator Report

City Administrator Busse updated the Commission on the proposed 2025 levy increase, budget changes, and staffing.

Liability Coverage Waiver Form

Director, Finance & Administration Olson presented the annual Liability Coverage Waiver form to the Commission. He noted this is a yearly form which expresses the Commissions desire to waive or not waive monetary limits on torque. Commissioner Rossi moved to not waive the monetary limit on torque and to have President Zirngible sign the form. Commissioner Vetter seconded the motion. All Commissioners voting Aye, the motion passed.

Tuition Reimbursement Policy

Director, Finance & Administration Olson presented the Tuition Reimbursement policy to the Commission. He noted changes include changing the wording to include "shall not exceed the IRS taxable liability amount". After discussion, Commissioner Johnson moved to approve the Tuition Reimbursement policy as submitted. Commissioner McLane seconded the motion. All Commissioners voting Aye, the motion passed.

2025 Budget, 2026-2029 Forecast

Director, Finance & Administration Olson requested the Commission's approval for the 2025 Budget, 2026-2029 Forecast that was presented earlier in the month. He noted changes after the budget meeting were minor and were included in the final budget. There was no further discussion. Commissioner Vetter moved to approve the 2025 Budget, 2026-2029 Forecast as presented. Commissioner Rossi seconded the motion. All Commissioners voting Aye, the motion passed.

Rate Policies

Director, Finance & Administration Olson presented the rate policies to the Commission. He noted these rates were based on what was presented in the budget. Electric rates did not change, changes were made to the natural gas and water rate policies. Commissioner Vetter moved to approve the rate policies as presented. Commissioner McLane seconded the motion. After discussion, all Commissioners voting Aye, the motion passed.

Service Territory Transfer

General Manager Warehime noted OPU has been working on a service territory transfer agreement with Steele Waseca Cooperative Electric (SWCE) and Xcel Energy for a small area on the southside of old Hwy 14. There is a duplication in the maps, so the service territory maps show the area is both Steele Waseca's and Xcel Energy's territories. The agreement with SWCE states this territory will be added to an existing territory agreement and we will not pay anything additional unless there is a new installation in this area. Seven customers will be affected with little to no opportunity for new customers. The anticipated annual revenue from the area is $15,000. The agreement with Xcel Energy includes paying them for facilities, as well as a lump sum payment for lost revenue. SMMPA will reimburse OPU 50% of the lost revenue payment. General Manager Warehime requested the Commission authorize him to sign the compensation and orderly transfer agreement with Northern States Power Company (d/b/a Xcel Energy) and the proposed amendment to the 2018 agreement with Steele-Waseca Cooperative Electric as presented, with the provision the general manager may approve non-material changes to the agreements prior to execution. After discussion, Commission Rossi moved as such. Commissioner Johnson seconded the motion. All Commissioners voting aye, the motion passed.

Integrated Resources Plan – SMMPA

General Manager Warehime introduced Jeremy Sutton and Dave Geschwind from Southern Minnesota Municipal Power Agency (SMMPA). He noted they will be discussing SMMPA's integrated resources plan. An integrated resources plan helps utilities assess and plan for future energy needs. It's a "road map" that considers the supply and demand side of energy to ensure reliability, affordability and sustainability. Mr. Sutton and Mr. Geschwind discussed SMMPA's Integrated Resources Plan filing requirements, the five pieces involved in the filing, SMMPA's preferred plan, MISO obligations in regards to firm capacity resources, carbon free compliance, options for renewables to meet the MN Carbon Free legislation, and the capital costs involved with firm capacities and carbon free compliance. The Commission thanked them for their presentation.

General Manager/Staff Report

General Manager Warehime discussed canceling the December Commission meeting due to it falling on a holiday. He noted, staff's desire is to still have the Finance Committee meeting, just move it to a different date so 2025 work orders could be signed. Commissioner Johnson moved to cancel the December Commission meeting and move the Finance Committee meeting to December 17th at 3:15 p.m. Commissioner Rossi seconded the motion. All Commissioners voting Aye the motion passed.

Commissioner Roundtable

President Zirngible announced committee assignments with Commissioner McLane on board. The Finance Committee will consist of Commissioners Johnson and Vetter with Commissioner Johnson as chairperson. The personnel Committee will consist of Commissioners Rossi and McLane with Commissioner Rossi being the chairperson.

Adjournment

There being no further business to come before the Commission, the meeting adjourned at 5:15 p.m.

Respectfully submitted,

Tammy Schmoll
Executive, Communications & Administration Coordinator

CITY OF OWATONNA

Licenses

Permits

EP-25-1

Events Permit Application

Status: Active

Submitted On: 1/28/2025

Primary Location

No location

Owner

No owner information

Applicant

Lynn Olson
507-456-3061
lolson.mail@gmail.com
1143 Austin RD
Owatonna, MN 55060

Event Information

Event Name

Foremost BobFest

Event Contact*

Lynn Olson

Location of Event*

Foremost Brewing Cooperative: 131 W. Broadway St. , Owatonna, MN 55060

Description of Event*

On Saturday, February 22, 2025 (All day) Foremost Brewing Cooperative (131 West Broadway St. - Front & 136 West Bridge St – Back) will hold a special event to celebrate our collection of Bob beers. In Germany, festivals are held at the end of February or beginning of March as a welcoming of spring & we hope to do just that. Our event will give our patrons an opportunity to enjoy indoor music and the re release of Bob's Bock. While most of our event will take place inside our building, we would like to give our patrons the option to enjoy their alcoholic & non-alcoholic beverages outdoors by having a small outdoor patio on the day of the event. We are asking to extend our liquor license to the 5 parking spaces directly outback of our building. The spaces would be blocked off by street barricades and leave the sidewalk clear for foot traffic. The barricade would be in place for 1.5 days eliminating any inconvenience to weekday traffic and business. The space will be supervised by the staff of Foremost during the event. This event will give the Owatonna community another way to enjoy the winter weather and our beautiful downtown

Event Set Up Date

02/22/2025

Event Set Up Time*

8:00am

Actual Event Date*

02/22/2025

Actual Event Time*

11:00am

Clean Up Date*

02/22/2025

Clean Up Time

10:00pm

Rain Date: In the event of inclement weather, will the event be postponed or canceled?*

Canceled

Estimated Attendance*

400

Application Information

Sponsoring Organization Name*

Foremost Brewing Cooperative

Mailing Address*

131 W. Broadway

City*

Owatonna

State*

MN

Zip*

55060

Website Address*

www.foremost.coop

Primary Contact

Name*

Lynn Olson

Phone Number*

507-456-3061

Cell Phone

507-456-3061

Email Address*

foremostbrewingcooperative@gmail.com

Primary On-site Contact

Name*

Lynn Olson

Cell Phone*

507-456-3061

Alternate On-site Contact

Name*

Rachael Luebbe

Cell Phone*

641-691-6727

Refer Media or Citizen Inquiries To:

Name*

Lynn Olson

Phone*

507-456-3061

Event Features

City Streets or Right-of-Way*

No

Alleys*

No

City Sidewalks or Trails*

No

Public Parking Lots or Spaces*

Yes

Start/End Time*

8:00am-10:00pm

Date*

02/22/2025

Parks*

No

Will any signs/banners be put up?*

No

Will there be any inflatables?*

No

Will there be entertainment?*

Yes

What Type*

There will be music inside the building and not in the outside space.

Will sound amplification be used?*

No

Will a stage or tent(s) be set up?*

No

Will there be temporary fencing?*

Yes

Dimensions*

17 FT x 42.5 FT

Will merchandise/food items be sold?*

Yes

How many vendors expected?*

0

Will food be prepared on site?*

Yes

Will alcohol be sold?*

Yes

Who will be providing the liquor license?*

Foremost Brewing Cooperative

Is this a caterer with an alcohol endorsement on their license?*

Yes

Will this event require a Temporary Liquor Permit?*

Yes

Additional documentation and fees are required

Will there be a fireworks display?*

No

Describe power needs and location of power source*

No extra power will be required

Describe level of advertisement*

Our social media and member newsletter

Have adjacent property owners been notified of this event?*

No

Will the event need barricade(s)?

Yes

Number Needed

5

Size Needed*

Medium

Event organizer is responsible for pickup and return of barricades at the City Shop, 1100 Industrial Blvd., Monday-Friday 7 AM to 3 PM. Please call 507-774-7050 to make arrangements". *Fees may apply.*

Will the event need cones?*

Yes

Number Needed*

5

Size Needed*

Large

Event organizer is responsible for pickup and return of cones at the City Shop, 1100 Industrial Blvd., Monday-Friday 7 AM to 3 PM. Please call 507-774-7050 to make arrangements". *Fees may apply.*

Will Central Park Stage be used?*

No

Will there be any horses?*

No

Describe trash removal and cleanup plan during and after event*

We will provide trash removal and cleanup during and after the event.

Will event need traffic control?*

No

Describe crowd control procedure to ensure the safety of participants and spectators*

We will adhere to our standard crowd control practices and have extra staff on hand to monitor the crowd

Will "No Parking" signs be needed?*

Yes

Number Needed*

5

Fees may apply, show location(s) on site map.

Will event need security?*

No

Will event need Emergency Medical Services?*

No

Describe the emergency action plan if severe weather should arise?*

If severe weather occurs we close our cease our outdoor operation and encourage all patrons to come indoors to safety.

Please provide contact information for responsible party during event to advise of severe weather notifications:

Name*

Lynn Olson

Phone Number*

507-456-3061

Email*

foremostbrewingcooperative@gmail.com

List any other pertinent information

Bob Fest will run the same as the event has for the last several years. The setup has worked really well for us and our neighbors. Thank you for your time and please let me know if you have any quesitons or concerns.

CITY SERVICES - Afer reviewing the event application, City Services may be required for the event

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Applicant Signature

The sponsor(s) of this event hereby agrees to save the City, its agents, officials and employees harmless from and against all damages to persons or property, all expenses and other liability that may result from this activity. ***Depending on the size of and scope of the event a "Certificate of Insurance" may be required.*** *If insurance is required, the policy must be kept in force during the event of at least the statutory limits for municipalities covering claims that might be brought against the event that arise out of the events authorized and to name the City as an additional insured on their policy "as their interest may appear." As the sponsor or authorized representative, I certify that the information provided is true to the best of my knowledge and agree to pay the permit fee for this event based upon the information provided in this application. I realize my submittal of this application request constitutes a contract between myself and the City of Owatonna and is a release of Liability.*

Signature of Applicant*

Lynn M. Olson
Jan 28, 2025

Internal Use

Special Provisions / Items Requested

Five parking spots on the south side of the building to extend liquor license to allow outdoor drinking space, 5 large cones, 5 medium barricades, 5 "No Parking" signs and extension of Alcohol License Premises.

Fire Department Approval / Comments / Notes

Approved, Ensure no fire hydrants are blocked, and all emergency exits are accessible and clear.

Park & Rec. Department Approval / Comments / Notes

Approved, no impact.

Police Department Approval / Comments / Notes

Approved, prefer not to block off parking spaces but no other option. No impact to Police Department.

Public Works Department Approval / Comments / Notes

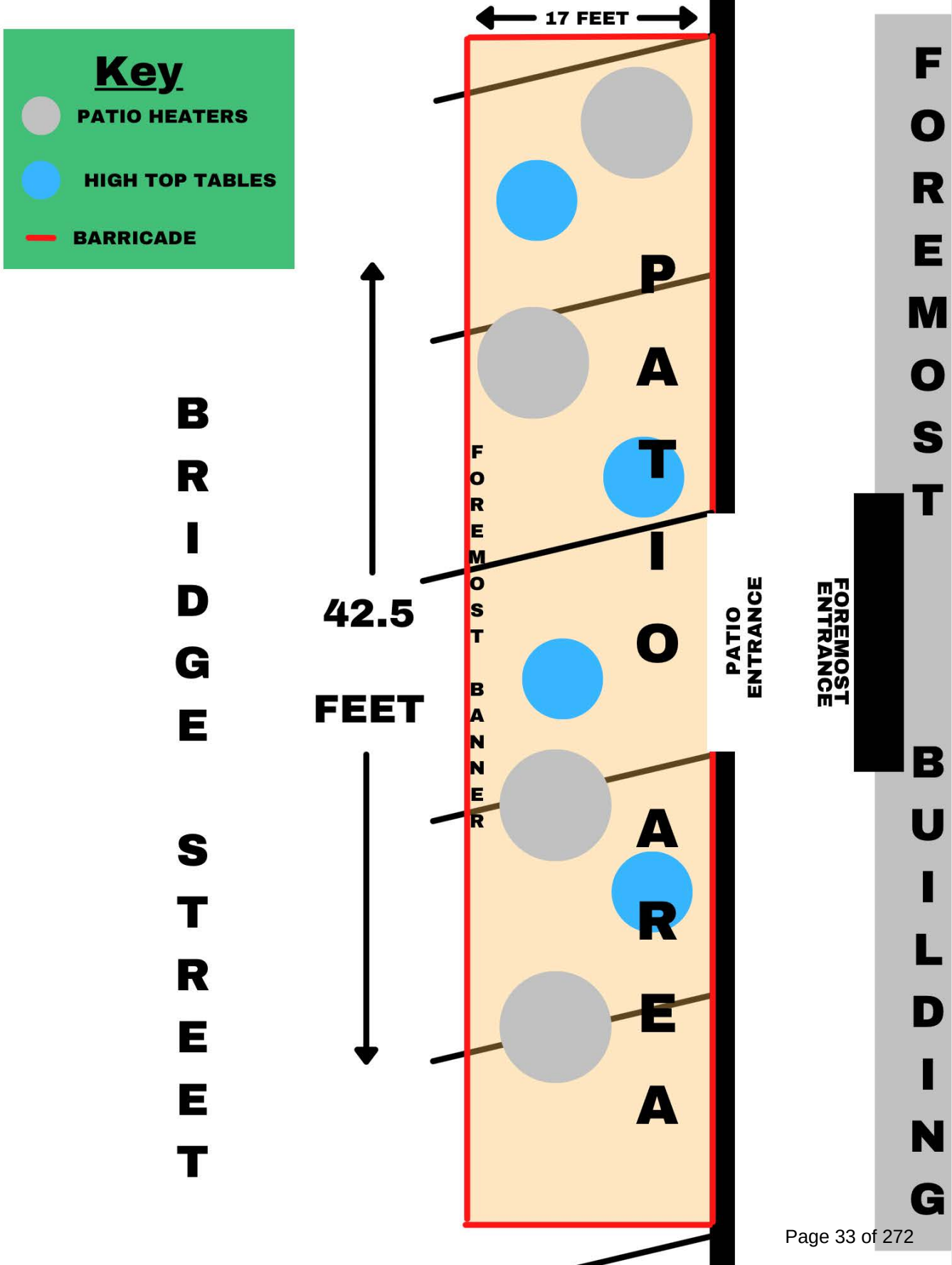
Approved, please call 507-456-5028 three days prior to event to arrange pick up of cones and barricades.

Building & Inspection

Approved, no impact.

Date to Council - February 4, 2025

— Council Notes


Key
PATIO HEATERS
HIGH TOP TABLES
BARRICADE
17 FEET
42.5
FEET
BRIDGE STREET
FOREMOST BANNER
PATIO AREA
PATIO ENTRANCE
FOREMOST ENTRANCE
FOREMOST BUILDING

MINNESOTA LAWFUL GAMBLING

LG220 Application for Exempt Permit

An exempt permit may be issued to a nonprofit organization that:

- conducts lawful gambling on five or fewer days, and
- awards less than $50,000 in prizes during a calendar year.

If total raffle prize value for the calendar year will be $1,500 or less, contact the Licensing Specialist assigned to your county by calling 651-539-1900.

Application Fee (non-refundable)

Applications are processed in the order received. If the application is postmarked or received 30 days or more before the event, the application fee is **$100**; otherwise the fee is **$150**.

Due to the high volume of exempt applications, payment of additional fees prior to 30 days before your event will not expedite service, nor are telephone requests for expedited service accepted.

ORGANIZATION INFORMATION

Organization Name: mn pheasants inc

Previous Gambling Permit Number: x-74011-24-041

Minnesota Tax ID Number, if any: es29793

Federal Employer ID Number (FEIN), if any:

Mailing Address: p.o box 351

City: owatonna State: mn Zip: 55060 County: steele

Name of Chief Executive Officer (CEO): George c Sprague

CEO Daytime Phone: 507-456-9337 CEO Email:

(permit will be emailed to this email address unless otherwise indicated below)

Email permit to (if other than the CEO): jp585b@live.com

NONPROFIT STATUS

Type of Nonprofit Organization (check one):

☐ Fraternal ☐ Religious ☐ Veterans ☑ Other Nonprofit Organization

Attach a copy of one of the following showing proof of nonprofit status:

(DO NOT attach a sales tax exempt status or federal employer ID number, as they are not proof of nonprofit status.)

☑ **A current calendar year Certificate of Good Standing**

Don't have a copy? Obtain this certificate from:

MN Secretary of State, Business Services Division
60 Empire Drive, Suite 100
St. Paul, MN 55103

Secretary of State website, phone numbers:
www.sos.state.mn.us
651-296-2803, or toll free 1-877-551-6767

☐ **IRS income tax exemption (501(c)) letter in your organization's name**

Don't have a copy? To obtain a copy of your federal income tax exempt letter, have an organization officer contact the IRS toll free at 1-877-829-5500.

☐ **IRS - Affiliate of national, statewide, or international parent nonprofit organization (charter)**

If your organization falls under a parent organization, attach copies of both of the following:

1. IRS letter showing your parent organization is a nonprofit 501(c) organization with a group ruling; and
2. the charter or letter from your parent organization recognizing your organization as a subordinate.

GAMBLING PREMISES INFORMATION

Name of premises where the gambling event will be conducted (for raffles, list the site where the drawing will take place): vfw owatonna

Physical Address (do not use P.O. box): 135 oakdale st

Check one:

☑ City: owatonna Zip: mn County: steele

☐ Township: Zip: County:

Date(s) of activity (for raffles, indicate the date of the drawing): 03-01-2025

Check each type of gambling activity that your organization will conduct:

☑ Bingo ☐ Paddlewheels ☐ Pull-Tabs ☐ Tipboards ☑ Raffle

Gambling equipment for bingo paper, bingo boards, raffle boards, paddlewheels, pull-tabs, and tipboards must be obtained from a distributor licensed by the Minnesota Gambling Control Board. EXCEPTION: Bingo hard cards and bingo ball selection devices may be borrowed from another organization authorized to conduct bingo. To find a licensed distributor, go to ***www.mn.gov/gcb*** and click on ***Distributors*** under the ***List of Licensees*** tab, or call 651-539-1900.

LG220 Application for Exempt Permit

LOCAL UNIT OF GOVERNMENT ACKNOWLEDGMENT (required before submitting application to the Minnesota Gambling Control Board)

CITY APPROVAL for a gambling premises located within city limits

- [x] The application is acknowledged with no waiting period.
- [ ] The application is acknowledged with a 30-day waiting period, and allows the Board to issue a permit after 30 days (60 days for a 1st class city).
- [ ] The application is denied.

Print City Name: Owatonna

Signature of City Personnel: Jeanette Clawson

Title: Admin Coordinator Date: 1/22/25

The city or county must sign before submitting application to the Gambling Control Board.

COUNTY APPROVAL for a gambling premises located in a township

- [ ] The application is acknowledged with no waiting period.
- [ ] The application is acknowledged with a 30-day waiting period, and allows the Board to issue a permit after 30 days.
- [ ] The application is denied.

Print County Name: _____

Signature of County Personnel: _____

Title: _____ Date: _____

TOWNSHIP (if required by the county)
On behalf of the township, I acknowledge that the organization is applying for exempted gambling activity within the township limits. (A township has no statutory authority to approve or deny an application, per Minn. Statutes, section 349.213.)

Print Township Name: _____

Signature of Township Officer: _____

Title: _____ Date: _____

CHIEF EXECUTIVE OFFICER'S SIGNATURE (required)

The information provided in this application is complete and accurate to the best of my knowledge. I acknowledge that the financial report will be completed and returned to the Board within 30 days of the event date.

Chief Executive Officer's Signature: George Sprague Date: 1/22/2025
(Signature must be CEO's signature; designee may not sign)

Print Name: George C Sprague

REQUIREMENTS

Complete a separate application for:
- all gambling conducted on two or more consecutive days; or
- all gambling conducted on one day.

Only one application is required if one or more raffle drawings are conducted on the same day.

Financial report to be completed within 30 days after the gambling activity is done:
A financial report form will be mailed with your permit. Complete and return the financial report form to the Gambling Control Board.

Your organization must keep all exempt records and reports for 3-1/2 years (Minn. Statutes, section 349.166, subd. 2(f)).

MAIL APPLICATION AND ATTACHMENTS

Mail application with:

____ a copy of your proof of nonprofit status; and

____ application fee (non-refundable). If the application is postmarked or received 30 days or more before the event, the application fee is **$100**; otherwise the fee is **$150**. Make check payable to **State of Minnesota**.

To: Minnesota Gambling Control Board
1711 West County Road B, Suite 300 South
Roseville, MN 55113

Questions?
Call the Licensing Section of the Gambling Control Board at 651-539-1900.

Data privacy notice: The information requested on this form (and any attachments) will be used by the Gambling Control Board (Board) to determine your organization's qualifications to be involved in lawful gambling activities in Minnesota. Your organization has the right to refuse to supply the information; however, if your organization refuses to supply this information, the Board may not be able to determine your organization's qualifications and, as a consequence, may refuse to issue a permit. If your organization supplies the information requested, the Board will be able to process the application. Your organization's name and address will be public information when received by the Board. All other information provided will be private data about your organization until the Board issues the permit. When the Board issues the permit, all information provided will become public. If the Board does not issue a permit, all information provided remains private, with the exception of your organization's name and address which will remain public. Private data about your organization are available to Board members, Board staff whose work requires access to the information; Minnesota's Department of Public Safety; Attorney General; Commissioners of Administration, Minnesota Management & Budget, and Revenue; Legislative Auditor, national and international gambling regulatory agencies; anyone pursuant to court order; other individuals and agencies specifically authorized by state or federal law to have access to the information; individuals and agencies for which law or legal order authorizes a new use or sharing of information after this notice was given; and anyone with your written consent.

This form will be made available in alternative format (i.e. large print, braille) upon request.

An equal opportunity employer

Minnesota Department of Public Safety
Alcohol and Gambling Enforcement Division
445 Minnesota Street, Suite 1600, St. Paul, MN 55101
651-201-7507 TTY 651-282-6555

APPLICATION AND PERMIT FOR A 1 DAY TEMPORARY CONSUMPTION AND DISPLAY PERMIT

(City or county may not issue more than 10 permits in any one year)

Name of organization	Date organized	Tax exempt number
Steele County Historical Society	1949	[redacted]

Organization Address	City	State	Zip Code
1700 Austin Rd	Owatonna	MN	55060

Name of person making application	Business phone	Home phone
Jennifer Thiele, Executive Director	507-451-1420	

Date(s) of event: April 25, 2025

Type of organization: ☐ Club ☒ Charitable ☐ Religious ☐ Other non-profit

	Organization officer's name	City	State	Zip
X	Patty Jessop, President	Owatonna	MN	55060

Add New Officer

Location where permit will be used. If an outdoor area, describe.
Steele County Historical Society's History Center, 1700 Austin Rd., Owatonna, MN 55060.

APPROVAL

APPLICATION MUST BE APPROVED BY CITY OR COUNTY BEFORE SUBMITTING TO ALCOHOL AND GAMBLING ENFORCEMENT

Owatonna
City or County approving the license

Date Approved

$50.00
Fee Amount

April 25, 2025
Permit Date

January 23, 2025
Date Fee Paid

jeanette.clawson@owatonna.gov
City or County Email Address

507-774-7341
City or County phone number

Kris M. Busse, City Administrator
Please Print Name of City Clerk or County Official

Signature City Clerk or County Official

Approved Director Alcohol and Gambling Enforcement

CLERKS NOTICE: Submit this form to Alcohol and Gambling Enforcement Division 30 days prior to event.

ONE SUBMISSION PER EMAIL, APPLICATION ONLY.
PLEASE PROVIDE A VALID E-MAIL ADDRESS FOR THE CITY/COUNTY AS ALL TEMPORARY PERMIT APPROVALS WILL BE SENT BACK VIA EMAIL. ***E-MAIL THE APPLICATION SIGNED BY CITY/COUNTY TO AGE.TEMPORARYAPPLICATION@STATE.MN.US***

Sheet of

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Jeanette Clawson, Administrative Coordinator
SUBJECT: Revoke On-Sale with Sunday Sales Liquor License - Lacey's at Brooktree

Purpose:
Request Council revoke the On-Sale Liquor with Sunday Sales License held by Lacey's at Brooktree at 369 Cherry Street.

Background:
Lacey's at Brooktree closed during November. The Minnesota Department of Revenue request the current liquor license be revoked by the City of Owatonna to assist in issuance of future licenses.

Budget Impact:
None

Staff Recommendation:
Staff recommends approval.

Attachments:
None

Miscellaneous

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Emily Thamert, Human Resources Director
SUBJECT: Joint Powers Agreement for Human Resource Background Checks - BCA

Purpose:
Approval to execute the Joint Powers Agreement with the BCA to allow the human resources department to use the BCA for background checks.

Background:
The City of Owatonna HR Department has the authority, under Minnesota State Statute §299C.62 and §299C.46, to conduct fingerprint-based criminal history background checks. After the initial determination for employment is made, criminal history record information is not reused for any other purpose. This Joint Powers Agreement will allow us to continue to use the BCA for these checks.

Budget Impact:
There is no budget impact by executing this agreement. There is a cost for the BCA performing the background checks when needed (currently $33.25 per background check).

Staff Recommendation:
Staff recommends approval.

Attachments:
1. JPA Agreement - Human Resources Background - BCA

Joint Powers Agreement
State of Minnesota
Federal Background Checks

ORI – NCJMN0037
SWIFT Contract # 261991

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 Owatonna on behalf of its Human Resources 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, § 299C.62, 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/bca-divisions/criminal-justice-information-services/background-checks/background-check-fees. 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:	Emily Thamert, HR Director
Address:	540 West Hills Circle Owatonna, MN 55060
Telephone:	507.774.7345
Email Address:	emily.thamert@ci.owatonna.mn.us

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 http://www.mmd.admin.state.mn.us/doc/EverifySubCertForm.doc. 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

By and Title: _____ _____
Governmental Unit Date

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 OF OWATONNA

Finance Report

RECAP:

$	52,039.65	Crysteel Truck Equipment - dump truck box for sludge truck
	50,616.00	Karl Chevrolet Inc - 2024 Tahoe - fire department
	64,076.31	MTI Distributing Inc
		- reel grinder - golf course - $62,244.00
		- misc parts - $1,832.31
	863,885.11	Rice Lake Construction Group - WWTP Expansion pay est #31
	148,809.86	Southeast Service Cooperative - January 2025 health ins premiums
	362,800.96	OTHER EXPENDITURES
$	1,542,227.89	*SUBTOTAL*
	110,499.06	HRA HOUSING ASSISTANCE PAYMENTS
$	1,635,254.75	TOTAL EXPENDITURES PRESENTED FOR APPROVAL

NOTE: Checks over $20,000 are detailed out individually

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
		Cash Account: 999-19100-000-000-000000			
381516	01/20/25	CLOVER CONNECT	2,534.23	R	Wire Transfer
381517	01/20/25	GLOBAL PAYMENTS INTEGRATED	6,150.60	R	Wire Transfer
381518	01/20/25	MN DEPT OF LABOR AND INDUSTRY	1,003.02	R	Wire Transfer
381519	01/20/25	MN DEPT OF REVENUE	7,488.50	R	Wire Transfer
381520	01/20/25	OWATONNA AREA CHAMBER OF COMM	1,400.00	O	Regular
381521	01/20/25	PAYMENTECH	25.00	R	Wire Transfer
381522	01/20/25	SOUTHEAST SERVICE COOPERATIVE	148,809.86	R	Wire Transfer
381523	01/20/25	SYNCHRONY BANK	125.88	O	Regular
381524	01/20/25	SYNCHRONY BANK - LOWE'S	1,782.38	O	Regular
381525	01/20/25	US BANK	18,805.24	R	Wire Transfer
381526	01/20/25	VERIZON WIRELESS	2,852.63	O	Regular
381527	01/20/25	WEX BANK	1,090.00	R	Wire Transfer
381528	01/20/25	WEX HEALTH INC	343.75	R	Wire Transfer
381529	01/28/25	ACUSHNET COMPANY	338.07	O	Regular
381530	01/28/25	ADVANCED ENGINEERING & ENVIRON	2,449.00	O	Regular
381531	01/28/25	AFLAC	2,867.06	R	ACH
381532	01/28/25	ALEXANDER LUMBER COMPANY	283.10	O	Regular
381533	01/28/25	ANHORN'S GAS & TIRE	199.66	O	Regular
381534	01/28/25	APEX INDUSTRIES INC	9,500.00	O	Regular
381535	01/28/25	APG MEDIA OF SO MINNESOTA LLC	89.38	O	Regular
381536	01/28/25	ASPEN EQUIPMENT DIV OF MGX	205.20	O	Regular
381537	01/28/25	AWARDS DIRECT INC	128.60	O	Regular
381538	01/28/25	BAKER & TAYLOR BOOKS	1,374.02	R	ACH
381539	01/28/25	BENJAMIN METCALF	58.43	O	Regular
381540	01/28/25	BRODART CO	207.96	O	Regular
381541	01/28/25	CEMSTONE CONCRETE MATERIAL LLC	2,816.40	O	Regular
381542	01/28/25	CEMSTONE PRODUCTS CO	170.86	O	Regular
381543	01/28/25	CENTRAL FARM SERVICE	19,996.41	O	Regular
381544	01/28/25	CITY OF ALBERT LEA	9,151.72	O	Regular
381545	01/28/25	CLAREYS SAFETY EQUIPMENT	364.50	R	ACH
381546	01/28/25	COLLAB SUMMER LIBRARY PROG	1,204.50	O	Regular
381547	01/28/25	CONTINENTAL RESEARCH CORP	2,425.14	R	ACH
381548	01/28/25	COURT SPORTS AND MORE	87.00	R	ACH
381549	01/28/25	CRANE CREEK ASPHALT	1,098.80	R	ACH
381550	01/28/25	CROSSFIT INNERDRIVE	175.00	R	ACH
381551	01/28/25	CRYSTEEL TRUCK EQUIP	52,039.65	R	ACH
381552	01/28/25	CULLIGAN OF OWATONNA	90.65	R	ACH
381553	01/28/25	CUMMINS INC	610.25	R	ACH
381554	01/28/25	CUSTOM COMMUNICATIONS INC	444.83	O	Regular
381555	01/28/25	DELL MARKETING LP	1,200.88	R	ACH
381556	01/28/25	DENISE STEWART	342.25	O	Regular
381557	01/28/25	ELECTRIC PUMP INC	1,013.75	R	ACH
381558	01/28/25	EYE MED VISION CARE	477.35	O	Regular
381559	01/28/25	FARMERS FEED AND PET SUPPLY	86.99	O	Regular

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
381560	01/28/25	FARONICS TECHNOLOGIES USA INC	1,110.14	O	Regular
381561	01/28/25	FASTENAL COMPANY	2,588.23	R	ACH
381562	01/28/25	FERGUSON ENTERPRISES#1658,1657	616.43	R	ACH
381563	01/28/25	FIRST SUPPLY OWATONNA	909.67	R	ACH
381564	01/28/25	FLAHERTY & HOOD PA	1,425.00	R	ACH
381565	01/28/25	FOUR SEASONS ELECTRIC	1,803.45	R	ACH
381566	01/28/25	FROM THE GROUND UP LLC	815.03	R	ACH
381567	01/28/25	GALLAGHER BENEFIT SERVICES INC	1,041.63	R	ACH
381568	01/28/25	GREATER MN PARKS & TRAILS	350.00	O	Regular
381569	01/28/25	HAWKINS INC	13,574.29	R	ACH
381570	01/28/25	HEALTHPARTNERS INC	5,025.52	O	Regular
381571	01/28/25	HILLYARD INC	1,185.98	O	Regular
381572	01/28/25	HUBER SUPPLY CO INC	95.06	O	Regular
381573	01/28/25	I U O E LOCAL 70	2,904.50	O	Regular
381574	01/28/25	IFACS	552.91	R	ACH
381575	01/28/25	INNOVATIVE OFFICE SOLUTIONS	380.61	O	Regular
381576	01/28/25	JOHN DEERE CREDIT	61.46	O	Regular
381577	01/28/25	JOHN'S APPLIANCE & A/C SERVICE	201.38	R	ACH
381578	01/28/25	KARI MARIE JACOTT LPCC	600.00	O	Regular
381579	01/28/25	KARL CHEVROLET INC	50,616.00	R	ACH
381580	01/28/25	KATHRYN MOUW MSW LICSW LADC	150.00	O	Regular
381581	01/28/25	KBS HOLDINGS INC	1,244.40	O	Regular
381582	01/28/25	KEEKER INC	756.96	R	ACH
381583	01/28/25	KINSETH HOSPITALITY COMPANIES	10,000.00	O	Regular
381584	01/28/25	KWIK TRIP INC	131.30	O	Regular
381585	01/28/25	LAWSON AUTOMOTIVE LLC	751.30	R	ACH
381586	01/28/25	LAWSON PRODUCTS	1,020.00	O	Regular
381587	01/28/25	LEAGUE OF MN CITIES	1,440.00	O	Regular
381588	01/28/25	LEGACY SIGNS INC	35.00	R	ACH
381589	01/28/25	LEGENCE SUBSIDIARY HOLDINGS LL	6,150.00	R	ACH
381590	01/28/25	MACQUEEN EQUIPMENT CO	259.15	R	ACH
381591	01/28/25	MADISON NATL LIF INS CO INC	1,809.33	O	Regular
381592	01/28/25	MARCO TECHNOLOGIES LLC	687.62	R	ACH
381593	01/28/25	MARJORIE GRUHLKE	26.00	O	Regular
381594	01/28/25	MCMASTER-CARR SUPPLY CO	888.50	R	ACH
381595	01/28/25	METRONET SYSTEMS HOLDINGS LLC	1,762.84	R	ACH
381596	01/28/25	MID-STATES ORGANIZED CRIME	200.00	R	ACH
381597	01/28/25	MID-STATES ORGANIZED CRIME	100.00	R	ACH
381598	01/28/25	MINNESOTA LIFE	3,001.95	O	Regular
381599	01/28/25	MN BUREAU OF CRIMINAL APPREH	900.00	O	Regular
381600	01/28/25	MN CHIEFS OF POLICE ASSN	217.00	R	ACH
381601	01/28/25	MN CITY MANAGERS ASSN	189.60	O	Regular
381602	01/28/25	MN DEPT NATURAL RESOURCES	1,200.00	O	Regular
381603	01/28/25	MN DEPT OF LABOR AND INDUSTRY	140.00	O	Regular
381604	01/28/25	MN DRIVER & VEHICLE SERVICES	30.75	O	Regular

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
381605	01/28/25	MN NCPERS GROUP LIFE INSURANCE	416.00	O	Regular
381606	01/28/25	MN PUBLIC EMPLOYEES ASSOC	1,392.00	R	ACH
381607	01/28/25	MN RECREATION & PARK ASSN	1,755.00	R	ACH
381608	01/28/25	MN STATE FIRE DEPT ASSOCIATION	495.00	O	Regular
381609	01/28/25	MN VALLEY TESTING LABS INC	420.00	R	ACH
381610	01/28/25	MTI DISTRIBUTING INC	64,076.31	R	ACH
381611	01/28/25	NAPA AUTO PARTS	1,588.06	R	ACH
381612	01/28/25	NATL RECREATION & PARK ASSN	1,200.00	O	Regular
381613	01/28/25	NORTHLAND FARM SYSTEMS	2,024.15	R	ACH
381614	01/28/25	OAK GLENN	3,458.95	R	ACH
381615	01/28/25	OFFICE OF MNIT SERVICES	662.55	O	Regular
381616	01/28/25	OLYMPIC FIRE PROTECTION CORP	4,223.00	R	ACH
381617	01/28/25	OWATONNA AREA CHAMBER OF COMM	18,904.53	O	Regular
381618	01/28/25	OWATONNA FILTERS LLC	3,430.95	O	Regular
381619	01/28/25	OWATONNA GLASS LLC	920.48	O	Regular
381620	01/28/25	OWATONNA HEATING & COOLING INC	19,900.00	R	ACH
381621	01/28/25	OWATONNA MOTOR COMPANY	338.84	O	Regular
381622	01/28/25	OWATONNA PUB SCHOOLS ISD 761	980.00	R	ACH
381623	01/28/25	OWT HARDWARE	282.80	O	Regular
381624	01/28/25	PAAPE COMPANIES INC	8,612.16	R	ACH
381625	01/28/25	PHONE STATION INC	16,555.00	O	Regular
381626	01/28/25	PLUNKETT’S PEST CONTROL INC	144.89	R	ACH
381627	01/28/25	PRESENCE TELEHEALTH PLLC	2,159.00	R	ACH
381628	01/28/25	PRIME GARAGE DOOR & MORE LLC	650.00	R	ACH
381629	01/28/25	QUADIENT FINANCE USA INC	1,500.00	O	Regular
381630	01/28/25	QUALITY FLOW SYSTEMS INC	4,657.50	R	ACH
381631	01/28/25	RCM SPECIALTIES	1,708.77	O	Regular
381632	01/28/25	RDO EQUIPMENT CO	420.00	R	ACH
381633	01/28/25	REINDERS INC	2,144.26	R	ACH
381634	01/28/25	RENT N SAVE PORTABLE SERVICES	603.60	R	ACH
381635	01/28/25	RICE LAKE CONSTRUCTION GROUP	863,885.11	R	ACH
381636	01/28/25	SANCO EQUIPMENT	628.73	R	ACH
381637	01/28/25	SASCS	1,400.00	O	Regular
381638	01/28/25	SCHUTT SPORTS LLC	6,937.42	O	Regular
381639	01/28/25	SE MN ASSN OF REGIONAL TRAILS	25.00	O	Regular
381640	01/28/25	SHARE CORPORATION	509.37	R	ACH
381641	01/28/25	SHELTERED WINGS INC	3,131.82	O	Regular
381642	01/28/25	SHERWIN WILLIAMS COMPANY	301.80	O	Regular
381643	01/28/25	SHI INTERNATIONAL CORP	753.96	O	Regular
381644	01/28/25	SIGN PRO OF OWATONNA	145.00	R	ACH
381645	01/28/25	SMRPA	150.00	O	Regular
381646	01/28/25	SOUTHERN MN INSPECTION CO	3,369.60	O	Regular
381647	01/28/25	SPLIT ROCK MANAGEMENT INC	3,860.00	R	ACH
381648	01/28/25	STATE INDUSTRIAL PRODUCTS	2,623.25	R	ACH
381649	01/28/25	STEELE COUNTY TREASURER	6,323.44	O	Regular

A/P Check Register
Checks from to

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
381650	01/28/25	STEVE JAMES EXCAVATING INC	180.00	R	ACH
381651	01/28/25	STEWART SANITATION	1,115.49	O	Regular
381652	01/28/25	SWEET TOWING	65.00	O	Regular
381653	01/28/25	T-MOBILE	2,584.49	O	Regular
381654	01/28/25	TARGETSOLUTIONS	17,472.20	V	ACH
381655	01/28/25	TOR SPERLING	941.40	R	ACH
381656	01/28/25	TRAF-SYS INC	360.00	O	Regular
381657	01/28/25	TREASURY DIVISION, FINANCE	648.40	O	Regular
381658	01/28/25	TRI M GRAPHICS	2,039.16	R	ACH
381659	01/28/25	UNITED WAY	80.00	O	Regular
381660	01/28/25	VALUE LINE PUBLISHING INC	4,320.00	O	Regular
381661	01/28/25	VAN METER INC	116.54	O	Regular
381662	01/28/25	VAULT HEALTH	499.14	O	Regular
381663	01/28/25	VENTURE HYDRAULICS INC	595.45	R	ACH
381664	01/28/25	VERIZON WIRELESS	445.00	O	Regular
381665	01/28/25	VESTIS GROUP INC	422.67	O	Regular
381666	01/28/25	WALBRAN & FURNESS CHARTERED	5,621.15	R	ACH
381667	01/28/25	WASECA CO ATTORNEY'S OFFICE	1,296.80	O	Regular
381668	01/28/25	WASECA COUNTY HWY DEPT	43.55	O	Regular
381669	01/28/25	WASECA POLICE DEPARTMENT	4,677.34	O	Regular
381670	01/28/25	WEN-COL INC	1,008.66	O	Regular
381671	01/28/25	WHKS & CO	821.26	R	ACH
381672	01/28/25	WSB & ASSOCIATES INC	4,500.00	R	ACH
381673	01/28/25	XCEL ENERGY	251.01	O	Regular
381674	01/28/25	YOUTH 1ST INC	1,250.00	O	Regular
381675	01/28/25	ZEP MANUFACTURING CO	369.82	R	ACH
381676	01/28/25	RANDALL'S LICENSE BUREAU	16.25	O	Regular
381677	01/28/25	RANDALL'S LICENSE BUREAU	16.25	O	Regular
381678	02/01/25	A & K LLC	395.00	R	ACH
381679	02/01/25	A&H PROPERTIES	1,302.00	R	ACH
381680	02/01/25	ACADEMY APARTMENTS OF OWA LLC	2,521.00	R	ACH
381681	02/01/25	ALL AREA MANAGEMENT LLC	1,754.00	R	ACH
381682	02/01/25	APACHE APARTMENTS	607.00	R	ACH
381683	02/01/25	ATM PROPERTIES LLC	1,089.00	R	ACH
381684	02/01/25	AUSTIN HRA	848.00	O	Regular
381685	02/01/25	BARRY GILLESPIE	319.00	R	ACH
381686	02/01/25	BROWN CYNTHIA	524.00	R	ACH
381687	02/01/25	BRYCEN GREGOR	2,283.00	R	ACH
381688	02/01/25	CAPELLE COMPANIES LLC	870.00	R	ACH
381689	02/01/25	CEDAR HILLS ESTATES LLC	3,248.00	R	ACH
381690	02/01/25	CEDAR RIDGE APARTMENTS	64.00	R	ACH
381691	02/01/25	CEDAR ROSE ASSOCIATES LLC	1,260.00	R	ACH
381692	02/01/25	CEDAR RUN TOWN HOMES MDI #41	3,418.00	R	ACH
381693	02/01/25	CEDARDALE NORTH APARTMENTS	1,007.00	R	ACH
381694	02/01/25	CEDARDALE SOUTH APARTMENTS	549.00	R	ACH

A/P Check Register
Checks from to

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
381695	02/01/25	CEDARDALE WEST APARTMENTS	600.00	R	ACH
381696	02/01/25	CHAD STANNARD	436.00	R	ACH
381697	02/01/25	CHASE BLUM	598.00	R	ACH
381698	02/01/25	CHRIS PROHASKI	1,717.00	R	ACH
381699	02/01/25	COMMON CENTS PROPERTIES LLC	323.00	R	ACH
381700	02/01/25	COOPERS COURT LLC	597.00	R	ACH
381701	02/01/25	DAKOTA COUNTY CDA	1,856.16	R	ACH
381702	02/01/25	DANIEL SCHLEGEL	486.00	R	ACH
381703	02/01/25	DSBMT, LLC	595.00	R	ACH
381704	02/01/25	EEK LLC	818.00	R	ACH
381705	02/01/25	FREDRICKSON PROPERTIES	389.00	R	ACH
381706	02/01/25	G & H MANAGEMENT CO LLC	1,197.00	R	ACH
381707	02/01/25	IMAGE APARTMENT	3,570.00	R	ACH
381708	02/01/25	J & P PROPERTIES	412.00	R	ACH
381709	02/01/25	JANESVILLE APARTMENTS	958.00	R	ACH
381710	02/01/25	JBLL EQUITIES LLC	1,455.00	R	ACH
381711	02/01/25	JOHNSON WINDOW & SIDING INC	3,569.00	R	ACH
381712	02/01/25	JPF PROPERTIES	257.00	R	ACH
381713	02/01/25	JULIE WERSAL	705.00	R	ACH
381714	02/01/25	KEG INVESTMENTS LLC	1,577.00	R	ACH
381715	02/01/25	KEITH MARTIN	1,336.00	R	ACH
381716	02/01/25	KLEVOS GREG	769.00	R	ACH
381717	02/01/25	L&L LEGACY PROPERTIES	610.00	R	ACH
381718	02/01/25	LEE ANNA	1,297.00	R	ACH
381719	02/01/25	LINCOLN SQUARE APARTMENTS	6,674.00	R	ACH
381720	02/01/25	LINDSAY MACHT	53.00	R	ACH
381721	02/01/25	LWO LIMITED PARTNERSHIP #116	3,734.00	R	ACH
381722	02/01/25	MARQUARDT DENNIS	2,832.00	R	ACH
381723	02/01/25	MARTIN ALLAN	2,532.00	R	ACH
381724	02/01/25	MARTIN FAMILY LLC	982.00	R	ACH
381725	02/01/25	MCCAULEY CONSTRUCTION	434.00	R	ACH
381726	02/01/25	MIDWEST INVEST LLC	573.00	R	ACH
381727	02/01/25	MOSSEE PROP INV LLC	646.00	R	ACH
381728	02/01/25	NECHVILLE SUSAN	3,605.00	R	ACH
381729	02/01/25	NORTHCOURT APARTMENTS	965.00	R	ACH
381730	02/01/25	NORTHGATE	2,875.00	R	ACH
381731	02/01/25	NORTHSTAR HOLDINGS LLC	595.00	R	ACH
381732	02/01/25	NORTHWEST MANOR	1,510.00	R	ACH
381733	02/01/25	OWATONNA GATEWAY LLC	299.00	R	ACH
381734	02/01/25	OWATONNA PUBLIC UTILITIES	296.00	R	ACH
381735	02/01/25	PARKVIEW OWATONNA LLC	2,091.00	R	ACH
381736	02/01/25	PEACH INVESTMENTS LLC	218.00	R	ACH
381737	02/01/25	PETER BIEL	693.00	R	ACH
381738	02/01/25	POSITIVE SHARE LLC	387.00	R	ACH
381739	02/01/25	PROHASKI CHRIS	497.00	R	ACH

Check Number	Check Date	Vendor Name	Net Check Amount	Check Status	Check Type
381740	02/01/25	PROHASKI PROPERTIES	1,299.00	R	ACH
381741	02/01/25	QUALITY RENTALS OF OWATONNA LL	858.00	R	ACH
381742	02/01/25	REDLINE DEVELOPMENT GRP LLC	827.00	R	ACH
381743	02/01/25	RICHARD ELLINGSON	905.00	R	ACH
381744	02/01/25	SCOTT COUNTY CDA	5,273.32	R	ACH
381745	02/01/25	SIXSPARKS LLC	1,388.00	R	ACH
381746	02/01/25	SMITH REAL ESTATE LLC	1,148.00	R	ACH
381747	02/01/25	SMITH VENTURES LLC	895.00	R	ACH
381748	02/01/25	SOUTH CENTRAL HUMAN RELATIONS	3,216.00	R	ACH
381749	02/01/25	ST CLOUD HRA	538.58	R	ACH
381750	02/01/25	SUMMIT MANOR	450.00	R	ACH
381751	02/01/25	USDA RURAL DEVELOPMENT	590.00	O	Regular
381752	02/01/25	USDA RURAL DEVELOPMENT	476.00	O	Regular
381753	02/01/25	WILLOW RUN I MDI #58	4,165.00	R	ACH
381754	02/01/25	WILLOW RUN II MDI #85	3,491.00	R	ACH
381755	02/01/25	YOUNGDAHL DEVELOPMENT LLC	2,529.00	R	ACH
381756	02/01/25	ZK INVESTORS LLC	1,774.00	R	ACH
381757	01/30/25	MINNESOTA HOUSING	7,000.00	O	Regular
381758	01/30/25	PLUNKETT'S PEST CONTROL INC	945.07	R	ACH

apadatecr2 City of Owatonna sbera 01/31/2025 11:43 Page 6
A/P Check Register
Checks from to

90	Checks total:	184,246.75
143	ACH total:	1,264,757.80
0	EFTPS total:	
9	Wire transfer total:	186,250.20
0	Payment Manager total:	
242	GRAND TOTALS	1,635,254.75

CITY OF OWATONNA

Ordinances

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Sean Murphy, Public Works Director
SUBJECT: Second/Final Reading Proposed Ordinance 25-03: Adjust Sanitary Sewer Rates

Purpose:
Requesting City Council approval of this proposed ordinance to change the rates for sanitary sewer related to Chapter 35 of the 2015 Ordinance Code of the City of Owatonna related to Appendix A Fee Schedule, (C) Sewer Rates, charges and fees, (2) Industrial sewer rates and charges established, (3) Domestic sewer rates and charges established.

Background:
Annual adjustments of the sanitary sewer rates are necessary to maintain adequate funding for future operations and to fund the costs of the wastewater treatment facility expansion. Staff and Consultants from Nero Engineering and AE2S presented to Council at the Study Session on January 6, 2025. The presentation has been included in the packet and the proposed rates in the attached draft ordinance reflect what was presented. We discussed some of the CIP projects that were identified in our 2023 Collection System Study and their contributions to the rate increases. We also talked through a new component to our treatment process that can increase non-rate payer revenue, Renewable Natural Gas or RNG. This is not currently accounted for in our rate model and staff will be working the Nero Engineering and another consultant to help maximize our return on RNG on a year-to-year basis.

Council approved the first reading of this proposed ordinance during their last meeting on January 21st and there have been no changes since.

Budget Impact:
The rate increase will result in increased revenue for the sanitary sewer fund.

Staff Recommendation:
Staff recommends approval.

Attachments:
1. Proposed Ordinance 25-03 Amend Sewer Rates
2. Rate Model Updates - City Council Draft 01-06-25

ORDINANCE NO. 25-03

AN ORDINANCE AMENDING CHAPTER 35 OF THE 2015 ORDINANCE CODE OF THE CITY OF OWATONNA, ENTITLED "SEWER, RATES, CHARGES AND FEES" BY AMENDING CHAPTER 35, APPENDIX A FEE SCHEDULE (C) SEWER RATES CHARGES AND FEES (2) INDUSTRIAL SEWER RATES AND CHARGES ESTABLISHED AND (3) DOMESTIC SEWER RATES AND CHARGES ESTABLISHED AND (5) SEWER HOOK-UP CHARGES AND(6) INDUSTRIAL WASTE WATER DISCHARGE PERMIT FEE"

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF OWATONNA, MINNESOTA, DO ORDAIN:

Section 1. Chapter 35 of the 2015 Ordinance Code of the City of Owatonna, entitled "Sewer, Rates, Charges and Fees", Chapter 35, Appendix A Fee Schedule, (C) Sewer Rates Charges and Fees (3) Domestic Sewer Rates and Charges Established:

(2) *Industrial sewer rates and charges established.*

4. Initial unit cost figures shall be:

a. f = $0.42 /100 CCF;

b. b = $481.95/1,000 pounds of BOD; and

c. ss = $366.19/1,000 pounds of suspended solids.

(3) *Domestic sewer rates and charges established.*

(a) Rates and charges for domestic wastewater disposal service shall be $3.38 per 100 cubic feet of the average amount of water billed in the months of December, January, and February and billed starting in March and each subsequent month of the year at that calculated amount for residential customers. Commercial, Light SIU, and Heavy SIU shall be billed on actual water use monthly. To each such statement, each month shall be added a service charge based on the meter size as shown in the following table (effective 03/01/25).

Customer Class	Monthly
Residential	$18.90
Commercial	$24.94
Light SIU	$82.22
Heavy SIU	$851.57

1. Vacant rental units with individual meters shall be charged only the monthly service charge (effective 1/1/2016).

2. Single-family residential units that are not being serviced by the city water system shall be charged the equivalent of 7 CCF of wastewater, equaling twenty-three dollars and sixty-six cents ($23.66) per month, plus service charge for residential meter (effective 03/01/2025).

3. A charge of twenty dollars and twenty-eight cents ($20.28) per month shall be made to new customers and to new residential construction based on 6 CCF commencing on the date of installation of the water meter and continuing until an average can be struck, from use in December, January and February in addition to the service charge based on the meter size. Customers moving within the city will be charged at the rate established at their previous residence until an average can be struck from use in December, January and February for the new residence (effective 03/01/2025).

(5) *Sewer hook-up charges.*

Residential	Fee
All Connections	$1,669.00
Multi-Family*	**$/Unit**
All Connections	$1,335.00
Commercial	**Fee**
1″ or Smaller	$3,186.00
1-1/2″	$6,373
2″	$10,197.00
3″	$19,119.00
4″	$31,866.00
6″	$63,725
Industrial	**$/100 gallons per day**
All connections	$801.00

* Three or more units in one building. Multi-Family users may be considered Residential or Commercial for regular sewer usage billings depending on how the property is connected and metered. For example, a multi-unit apartment that receives one utility bill should be considered Commercial and a multi-unit condo complex were each unit received a utility bill should be considered Residential. Both situations would be treated as Multi-Family for SACs

(1992 Code, § 540:15)

(6) *Industrial waste water discharge permit fee.* A fee for waste water discharge permit, as authorized in § 51.07 of this code of ordinances, shall be $1,000.00.

Section 2. Effective date. This Ordinance shall be in full force and effect from and after its passage and publication.

Passed and adopted this _____ day of ___, 2025, with the following vote:

Aye __; No __; Absent __.

Approved and signed this ___ day of ___, 2025.

ATTEST:

_____
Matthew T. Jessop, Mayor

_____
Kris M. Busse, City Administrator/City Clerk

AE2S NEXUS
The Financial Link

City of Owatonna

Wastewater Revenue Adequacy
2025 Budget Update

January 7, 2025

Rate Model History

1. Completed original Rate Study in 2021, as part of planning for WWTP Expansion
    - Included development of dynamic rate model, for use in annual budget updates
2. Rate Model updates in 2022 included:
    - Revised WWTP estimate
    - Further cost of service (COSA) based rate design for industrial users
3. Rate Model updates in 2023 included:
    - Incorporation of additional grant funding for WWTP
    - Incorporation of Medford as a potential new users
4. 2024 Rate Model Updates

AE2S NEXUS The Financial Link

2024 Rate Model Updates (for 2025 budget)

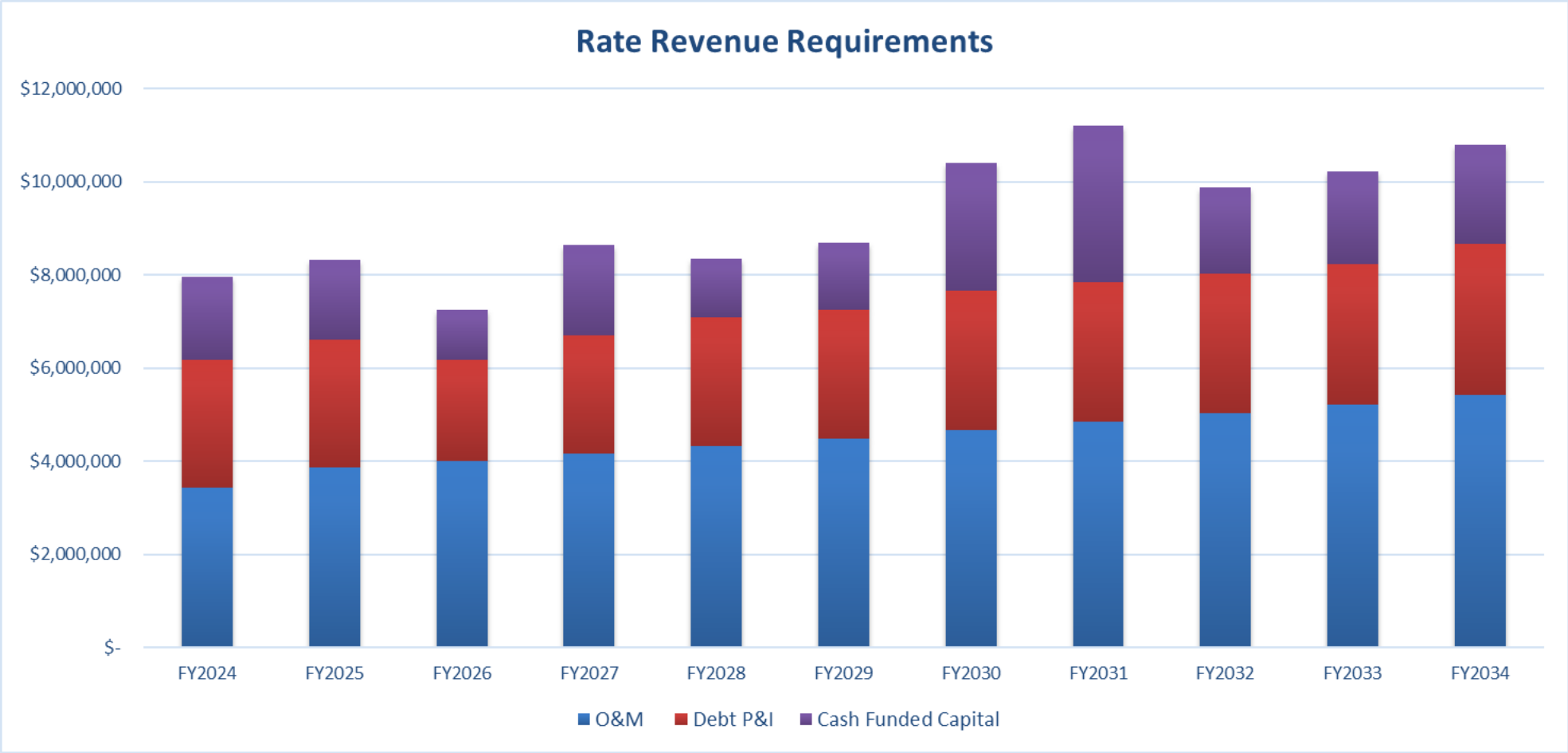
1. Extended model to 2034 for 10-year projections (2025 to 2034)
2. Incorporated 2025 operating budgets
3. Updated CIP with latest provided outlay, including 6 new trunk sewer projects
4. Updated current number of utility accounts
5. Analyzed historical billed flow/strength and updated projections accordingly
6. Updated COSA allocation factors based on revised average flow projections
7. Incorporate 2024 starting cash balance
8. Developed revised rate scenarios

AE2S NEXUS The Financial Link

Wastewater CIP

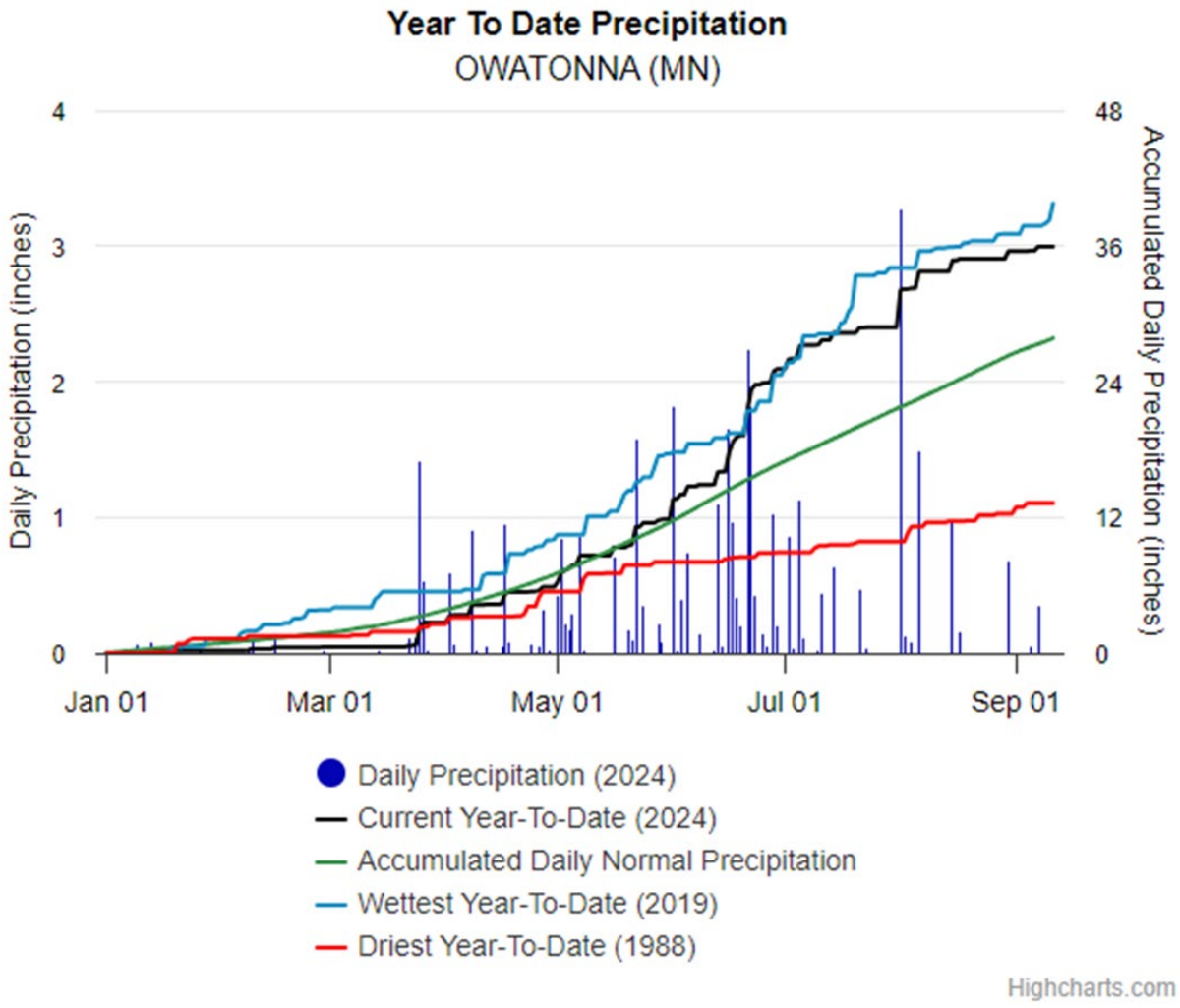
CAPITAL IMPROVEMENTS PLAN	Funding Source	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Sanitary Sewer Replacement	Rate Revenue	$350,000	$350,000	$350,000	$350,000	$350,000	$350,000	$350,000	$350,000	$350,000	$350,000
Equipment Replacement	Rate Revenue	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
Plant R&R	Rate Revenue			$135,900	$271,800	$407,700	$543,600	$679,500	$815,400	$951,300	$1,087,200
Lift Station Rehabilitation	Rate Revenue	$708,500	$585,000	$493,305	$551,896	$584,695	$584,695	$584,695	$584,695	$584,695	$584,695
Straight River Trunk Sewer #1	Debt		$5,512,961								
Straight River Trunk Sewer #2	Debt			$3,338,778							
18th St and Smith Ave Trunk Sewer*	Debt					$3,649,778					
Rose Street Sewer Replacement	Rate Revenue						$1,162,253				
Straight River Trunk Sewer #3	Rate Revenue							$1,633,715			
Linn Ave Trunk Sewer	Debt									$3,576,485	
Utility Shop Truck	Rate Revenue			$110,000							
Jetter/Vac Truck	Rate Revenue			$750,000							
John Deere Mower	Rate Revenue		$45,000								
Televising Camera w/ Lateral Launcher	Rate Revenue	$425,000									
Scissor Lift	Rate Revenue	$25,000									
WWTP Effluent Water Reuse Irrigation System	Rate Revenue	$45,000									
2025 Ford F150	Rate Revenue	$60,000									
Total Rate Revenue Funded		**$1,713,580**	**$1,080,000**	**$1,939,205**	**$1,273,696**	**$1,442,395**	**$2,740,548**	**$3,347,910**	**$1,850,095**	**$1,985,995**	**$2,121,895**
Total Debt Funded			**$5,512,961**	**$3,338,778**		**$3,649,778**					

Projected Rate Revenue Requirements



Flow Projections

- Commercial and Industrial billed WW flow impacted by 2024 wet weather conditions, resulting in lower than projected revenue
- Residential based on winter average, therefore no impacts seen
- Historical average flows were evaluated considering 2024's wet weather impacts
  - Projections revised for 2024, based on YTD actuals
  - New annual average calculated for 2025 and beyond



Rate Scenario – Projected Rate Increases

Average monthly Residential bill (8 ccf/6 kgal Gal) projected to increase from $42.52 to $45.92 in 2025 (+$3.40)

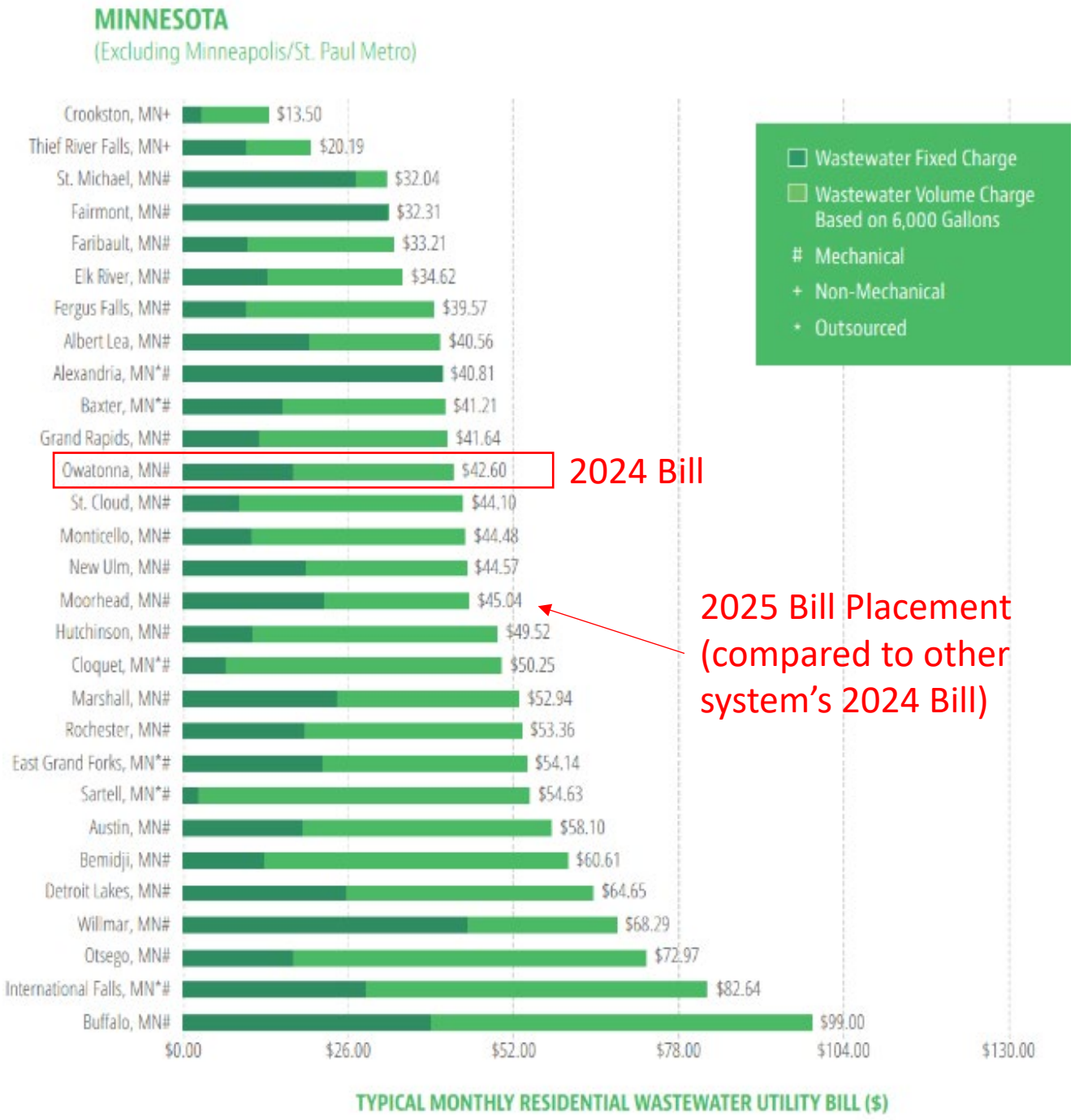
Fixed Rate (per account)				
%	2024	2025	2026	2027
Residential	8.0%	8.0%	8.0%	8.0%
Commercial	16.0%	8.0%	8.0%	8.0%
Light Industrial	20.0%	8.0%	8.0%	8.0%
Viracon	20.0%	8.0%	8.0%	8.0%
Lakeside Foods	8.0%	8.0%	8.0%	8.0%
$	2024	2025	2026	2027
Residential	$ 17.50	$ 18.90	$ 20.41	$ 22.04
Commercial	$ 23.10	$ 24.94	$ 26.94	$ 29.09
Light Industrial	$ 76.13	$ 82.22	$ 88.80	$ 95.90
Viracon	$ 380.64	$ 411.09	$ 443.98	$ 479.50
Lakeside Foods	$ 788.49	$ 851.57	$ 919.69	$ 993.27

Volumetric Rate				
%	2024	2025	2026	2027
Residential	15.0%	8.0%	8.0%	8.0%
Commercial	15.0%	8.0%	8.0%	8.0%
Light Industrial	15.0%	8.0%	8.0%	8.0%
Viracon	0.0%	8.0%	8.0%	8.0%
Lakeside Foods	15.0%	8.0%	8.0%	8.0%
$	2024	2025	2026	2027
Residential	$ 3.13	$ 3.38	$ 3.65	$ 3.94
Commercial	$ 3.13	$ 3.38	$ 3.65	$ 3.94
Light Industrial	$ 3.13	$ 3.38	$ 3.65	$ 3.94
Viracon	$ 1.82	$ 1.97	$ 2.12	$ 2.29
Lakeside - 6" Meter	$ 0.39	$ 0.42	$ 0.45	$ 0.49

Surcharges				
%	2024	2025	2026	2027
BOD	0.0%	0.0%	0.0%	0.0%
TSS	15.0%	8.0%	8.0%	8.0%
$	2024	2025	2026	2027
BOD	$ 481.95	$ 481.95	$ 481.95	$ 481.95
TSS	$ 339.07	$ 366.19	$ 395.49	$ 427.13

AE2S NEXUS The Financial Link

2024 MN Rate Survey Comparison



Conclusion

- Proposed 8% rate increase in 2025
- Continue to update the rate model going forward
- Consider updating Sewer Access Charges for additional revenue

AE2S NEXUS The Financial Link

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Jeffrey Mundale, Police Chief
SUBJECT: First Reading Proposed Ordinance 25-01: Amend Section 93.029 - Noise in Public Parks

Purpose:
Request Council to approve the first reading of Proposed Ordinance 25-01 to amend Section 93.029 - Noise in Public Parks in the 2015 Ordinance Code for the City of Owatonna.

Background:
Several requests were received asking for clarification of the city's ordinance pertaining to noise in public parks. City Administrator Busse, Assistant City Administrator Tuma, City Attorney Walbran and I met to discuss and prepare this proposed ordinance.

Draft of the proposed ordinance is attached showing the proposed changes: underlining indicates new language and strikeouts indicate deletions. Council discussed these proposed changes during the Study Session prior to their last Council Meeting on Tuesday, January 21, 2025.

Budget Impact:
None

Staff Recommendation:
Staff recommends approval of this first reading and plan to hold the second reading at the next City Council Meeting on Tuesday, February 18, 2025.

Attachments:
1. Proposed Ordinance 25-01 - Amend 93.029 - Noise in Public Parks

Proposed Ordinance No. 25-01

ORDINANCE NO. _____

AN ORDINANCE AMENDING CHAPTER 93 OF TITLE IX OF THE 2015 ORDINANCE CODE OF THE CITY OF OWATONNA, AS AMENDED, ENTITLED "GENERAL REGUATIONS" PERTAINING TO NOISE IN PUBLIC PARKS.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF OWATONNA, MINNESOTA, DO ORDAIN:

Section 1. § 93.029 "Noise in Public Parks' of Chapter 93 of Title IX of the 2015 Ordinance Code of the City of Owatonna entitled "General Regulations" is hereby amended by amending § 93.029 to read as follows:

(A) *Definitions*. For purposes of this section, the following definitions apply unless the context clearly indicates or requires a different meaning.~~shall be deemed as public parks: Brown Park, Cashman Park, Jaycee Park, Central Park, Kaplan's Woods Parkway, Crocus Park, Lelly Park, Dartt's Park, Manthey Park, Fairgrounds Ball Diamonds and Park, Maple Creek Greenbelt Park, Mineral Springs Park, Freemont Park, Morehouse Park, Gainey Park and Willow Park~~.

(1) Park means and includes: Archery Range on Elm, Kriesel's Woods Park, Brooktree Golf Course, Lake Chase/Dog Park. Bown Park, Lake Kohlmier/Beach House, Buecksler Park, Leo Rudolph Nature Reserve Cashman Park, Manthey Park, Central Park, Maple Creek, Country View Park, Mineral Springs Park, Crocus Park, Morehouse Park, Daikin Soccer Complex, Nass Woods Dartts Park, North Bluff Park Fairgrounds Park, North Straight River Parkway, Falkland Meadows, River Springs Water Park, Fremont Park, Sid Kinyon Courts Hammann Park, Summer Park, Hazel Park, Walter H. Gainey Park, Jaycee Park, West Hills, Kaplan's Woods Park, Willow Park, Kaplan's Woods Parkway, City Parkland, Kriesel's Park and any other parks or trails hereafter established.

(2) Person means and includes an individual, firm, partnership, corporation, trustee, association, the state and its agencies and subdivisions, or any body of persons whether incorporated or not.

(B) *General prohibition*. No person shall in any public park or trail or within 150 feet of any park or trail boundary make or cause to be made any loud or distinctly ~~and loudly~~ audible noise that unreasonably annoys, disturbs, injuries or endangers the comfort, repose, health, peace, safety or welfare of any person or precludes their enjoyment of property or affects their property's value. This general prohibition is not limited by the specific restrictions of the following divisions.

(C) *Horns, audible signaling devices and the like*. No person in any public park or trail shall sound any audible signaling device on any vehicle,~~.~~ e~~E~~xcept as a warning of danger. (Minn. Stat. § 169.6~~9~~8, as it may be amended from time to time).

(D) *Exhaust*. No person in any public park shall discharge the exhaust or permit the discharge of the exhaust of any ~~steam engine,~~ stationary internal combustion engine, motorboat, motor vehicle including all-Terrain vehicles (ATV) or any other motorized vehicle of any kind or description, or snowmobile except through a muffler or other device that effectively prevents loud or explosive noises therefrom and complies with all applicable state laws and regulations.

(E) *Defective vehicles or loads*. No person in any public park shall use any vehicle so out of repair or so loaded as to create loud and unnecessary grating, grinding, rattling or other noise.

(F) ~~*Radios, phonographs, paging systems and the like.*~~*Loudspeakers, megaphones, bullhorns, public address systems, radios, CD players or other sound amplification system*.

(1) No person in any public park or trail or within 150 feet of any park or trail boundary shall use or operate or permit the use or operation of any ~~radio receiving set, musical instrument, phonograph, paging system, machine~~ loudspeakers, megaphones, bullhorns, public address systems, radios, CD players or other sound amplification system of any kind or description for the production, or reproduction, or amplification of sound causing loud or distinct audible noise as to disturb the peace, quiet and comfort of any person nearby.

(G) *Exceptions*. This Ordinance provision does not prohibit use of the ~~public address~~ sound amplification systems in subsection F(1) above by

(i) the City, or

(ii) (ii) a person who has obtained a permit from the City as provided in subsection (I) of this Ordinance~~ or with the advance written permission of the Park and Recreation Department~~.

(H) *Nuisance*. No person shall make, continue, permit or cause to be made or continued, any loud, unnecessary or unusual noise or any other noise within any public park or trail or within 150 feet of any part or trail boundary which creates a Public Nuisance as defined in Chapter 95 "Noise Control" of this Ordinance Code.

(I) *Participation in noisy parties or gatherings*. No person in any public park or on a public trail shall participate in any party or other gathering of people giving rise to noise, disturbing the peace, quiet or repose of another person. When a police officer determines that a gathering is creating such a noise disturbance, the officer may order all persons

present where the disturbance is occurring, to disperse immediately. No person shall refuse to leave after being ordered by a police officer to do so.

(J) *Permit application*. Every person desiring such a permit shall submit an application form available at the City Clerk's office and pay in advance the required permit fee as duly established by the Council from time to time.

Section 2. Effective date. This ordinance shall be in full force and effect from and after its passage and publication.

Passed and adopted this _____day of _____, 2025 with the following vote: Aye _____; No _____; Absent _____.

Approved and signed this _____ day of _____, 2025.

_____
Mayor

ATTEST:

_____
City Clerk/Treasurer

UNDERLINING INDICATES NEW LANGUAGE. ~~STRIKEOUTS~~ INDICATE DELETIONS.

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Jeffrey Mundale, Police Chief
SUBJECT: First Reading Proposed Ordinance 25-02: Amend Chapter 95, Noise Control

Purpose:
Request Council to approve the first reading of Proposed Ordinance 25-02 to amend Chapter 95, Noise Control in the 2015 Ordinance Code for the City of Owatonna.

Background:
To better address noise complaints, staff proposes three changes to Chapter 95, Noise Control within the City's current Code of Ordinances. I met with City Administrator Busse, Assistant City Administrator Tuma, and City Attorney Walbran to prepare this proposed ordinance with additions of the MPCA Standards of noise area clarifications and additional restrictions to public nuisance noises prohibited.

The attached draft of the proposed ordinance shows these proposed changes: underlining indicates new language and strikeouts indicate deletions. Council will discuss these proposed changes during the Study Session prior to their last Council Meeting on Tuesday, January 21, 2025.

Budget Impact:
None

Staff Recommendation:
Staff recommends approval of this first reading and plan to hold the second reading at the next City Council Meeting on Tuesday, February 18, 2025.

Attachments:
1. Proposed Ordinance 25-2 Amend Chapter 95, Noise Control

Proposed Ordinance No. _____

ORDINANCE NO. _____

AN ORDINANCE AMENDING CHAPTER 95 OF TITLE IX OF THE 2015 ORDINANCE CODE OF THE CITY OF OWATONNA, AS AMENDED, ENTITLED "NOISE CONTROL" ADOPTING MPCA NOISE STANDARDS.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF OWATONNA, MINNESOTA, DO ORDAIN:

Section 1. Chapter 95 of Title IX of the 2015 Ordinance Code of the City of Owatonna entitled "Noise Control" is hereby amended by amending §§ 95.03, 95.05(A) and 95.05(B)(4) to read as follows:

§ 95.03 ~~GUIDELINES~~ MPCA STANDARDS.

~~The city shall adopt guidelines establishing test procedures and instrumentation to be utilized and a copy of such guidelines shall be kept on file in the office of the City Administration.~~Minn. Stat. § 116.07 directs that the Minnesota Pollution Control Agency (MPCA) to adopt rules and standards regulating noise. Minn. Rule 7030.0030 states that no person may violate MPCA's standards. Cities must take all reasonable measures to prevent land use activities listed in noise area classifications (NAC), 1, 2, or 3 at any location where the standards established in Rule 7030.004 will be violated.

The noise area classifications are:

NAC 1: Residential housing, religious activities, camping and picnicking areas, health services, hotels, educational services.

NAC 2: Retail, business and government services, recreational activities, transit passenger terminals.

NAC 3: Manufacturing, fairgrounds and amusement parks, agricultural and forestry activities.

This is only a partial list. The complete list of uses is in Minn. Rule 7030.0050.

Minn. Rule 7030.0040 sets forth the noise standards for the NACs below. The values shown, e.g., 65 and 55, are the decimal levels. L_{10} is the noise level that is exceeded for

10%, or 6 minutes of an hour. L_{50} is the noise level exceeded for 50% or 30 minutes of an hour.

Noise Area Classification	Daytime Day (7:00 a.m.-10:00 p.m.)		Nightime (10:00 p.m.-7:00 a.m.)	
	L10	L50	L10	L50
1	65	60	55	50
2	70	65	70	65
3	80	75	80	75

§ 95.05 **PUBLIC NUISANCE NOISES PROHIBITED.**

(A) It shall be unlawful for any person to make, continue, permit or cause to be made or continued any loud, unnecessary or unusual noise or any noise within the city which would be likely to annoy, disturb, injure or endanger the comfort, repose, health, peace or safety of a reasonable person of ordinary sensibilities. The following non-exclusive characteristics and conditions shall be considered in determining whether a noise is loud, disturbing or excessive for the purposes of this section:

(1) The time of day or night the noise occurs;

(2) The duration or recurrence of the noise;

(3) The proximity of the noise source to any location reasonably identifiable as a sleeping facility, residential dwelling unit, school, institution of learning, hospital, church, courthouse or office, such that it is reasonably likely to interfere with the peace, quiet, repose or operation of that property;

(4) The number of people and their activities that are affected or likely to be affected by the noise;

(5) The land use, nature and zoning of the area from which the noise emanates and the area where it is perceived;

(6) The sound decibel level, if known, in comparison to the level of ambient noise; and/or

(7) A decibel meter measurement is one factor to consider but is not necessary in every case and a determination of a violation may be based on consideration of the other factors herein.

(B) The following acts constitute a presumptive public nuisance:

(4) *Loudspeakers, amplifiers for advertising and the like*. The use, operation or permitting the playing, use or operation of any radio receiving set, phonograph, tape recorder, compact disc player or other machine or device for amplification, production or reproduction of sound or any musical instrument which is cast upon the public streets for the purpose of commercial advertising or attracting the attention of the public to any building or structure, except as may be ~~licensed~~ authorized by a permit by the city pursuant to § 93.029(J).

Section 2. Effective date. This ordinance shall be in full force and effect from and after its passage and publication.

Passed and adopted this _____day of _____, 2025 with the following vote: Aye _____; No _____; Absent _____.

Approved and signed this _____ day of _____, 2025.

_____
Mayor

ATTEST:

_____
City Clerk/Treasurer

UNDERLINING INDICATES NEW LANGUAGE. ~~STRIKEOUTS~~ INDICATE DELETIONS.

Resolutions

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Jeanette Clawson, Administrative Coordinator
SUBJECT: Resolution 7-25 Premises Permit to Conduct Lawful Gambling at Mineral Springs Brewery - Owatonna Youth Hockey

Purpose:
Council approval of Resolution 7-25 approving an application for a Premises Permit from Owatonna Youth Hockey (OYH) to conduct lawful gambling (pull tabs) under a lease agreement with Mineral Springs Brewery at 210 N Oak Avenue.

Background:
City Code Section 120.07 Premises Permit Limitation of a Charitable Gambling Permit allows an organization to hold up to five (5) premises permits at establishments which hold an On-Sale Liquor License within the City. This request will modify the locations they can operate at using their current Charitable Gambling Permit. OYH hold Premises Permits to offer pull-tabs at four sites: Wing's Tavern & Grille, Sparetime Entertainment, Foremost Brewing Cooperative and Mineral Springs Brewery, this application approves the new Mineral Springs Brewery location.

Budget Impact:
None, OYH holds an active Charitable Gambling Permit with the city. The annual $250 fee for a Charitable Gambling Permit was just renewed effective July 1st and paid the annual license fee of $250.00.

Staff Recommendation:
Staff recommends approval of Resolution 7-25.

Attachments:
1. Res 7-25 Premises Permit - Lawful Gambling Activity - OYH at MSB
2. LG214 - OYH at MSB
3. LG215 - OYH at MSB

RESOLUTION NO. 7-25
A RESOLUTION APPROVING
APPLICATION FOR PREMISES PERMIT

WHEREAS, Owatonna Youth Hockey has made application for a premises permit to conduct lawful gambling under a lease agreement with Mineral Springs Brewery at 210 N Oak, Suite 1, Owatonna MN; and

WHEREAS, the application for premises permit (LG214) and lease (LG215) have been filed with the City; and

WHEREAS, it otherwise appears to the Council that the application for a premises permit and lease are in conformity with Section 127:00, et seq., of the 2015 Ordinance Code of the City of Owatonna, as amended,

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Owatonna, Minnesota:

1. Pursuant to Section 127:07, of the 2015 Ordinance Code of the City of Owatonna, as amended, the application for premises permit submitted by Owatonna Youth Hockey may be and hereby is approved.

Passed and adopted this ___ day of _____, 2025, with the following vote:

Aye ___; No __; Absent ___.

Approved and signed this ___ day of _____, 2025.

_____
Matthew T. Jessop, Mayor

ATTEST

_____
Kris M. Busse, City Administrator/City Clerk

LG214 Premises Permit Application

Annual Fee $150 (NON-REFUNDABLE)

REQUIRED ATTACHMENTS TO LG214

1. If the premises is leased, attach a copy of your lease. Use **LG215 Lease for Lawful Gambling Activity.**
2. $150 annual premises permit fee, for each permit (non-refundable). Make check payable to "**State of Minnesota.**"

Mail the application and required attachments to:
Minnesota Gambling Control Board
1711 West County Road B, Suite 300 South
Roseville, MN 55113

Questions? Call 651-539-1900 and ask for Licensing.

ORGANIZATION INFORMATION

Organization Name: Owatonna Youth Hockey License Number: B74008

Chief Executive Officer (CEO) Scott Mohs Daytime Phone: 507 456-7019

Gambling Manager: Colleen Rehman Daytime Phone: 507 213-0605

GAMBLING PREMISES INFORMATION

Current name of site where gambling will be conducted: MSB, LLC dba Mineral Springs Brewery

List any previous names for this location:

~~210 N. Oak Ave.~~

Street address where premises is located: ~~111 N. Walnut Ave, Owatonna, MN 55060~~
(Do not use a P.O. box number or mailing address.)

City:	OR Township:	County:	Zip Code:
Owatonna		Steele	55060

Does your organization own the building where the gambling will be conducted?

☐ Yes ☒ No **If no,** attach LG215 Lease for Lawful Gambling Activity.

A lease is not required if only a raffle will be conducted.

Is any other organization conducting gambling at this site? ☐ Yes ☒ No ☐ Don't know

Note: Bar bingo can only be conducted at a site where another form of lawful gambling is being conducted by the applying organization or another permitted organization. Electronic games can only be conducted at a site where paper pull-tabs are played.

Has your organization previously conducted gambling at this site? ☐ Yes ☒ No ☐ Don't know

GAMBLING BANK ACCOUNT INFORMATION; MUST BE IN MINNESOTA

Bank Name: West Bank Bank Account Number: 4066154

Bank Street Address: 328 Hoffman Dr. NW City: Owatonna State: MN Zip Code: 55060

ALL TEMPORARY AND PERMANENT OFF-SITE STORAGE SPACES

Address (Do not use a P.O. box number):	City:	State:	Zip Code:
670 24th Ave NW #234	Owatonna	MN	55060
		MN	
		MN	

ACKNOWLEDGMENT BY LOCAL UNIT OF GOVERNMENT: APPROVAL BY RESOLUTION

CITY APPROVAL for a gambling premises located within city limits

City Name: _____

Date Approved by City Council: _____

Resolution Number: _____
(If none, attach meeting minutes.)

Signature of City Personnel:

_____

Title: _____ Date Signed: _____

Local unit of government must sign.

COUNTY APPROVAL for a gambling premises located in a township

County Name: _____

Date Approved by County Board: _____

Resolution Number: _____
(If none, attach meeting minutes.)

Signature of County Personnel:

_____

Title: _____ Date Signed: _____

TOWNSHIP NAME: _____

Complete below only if required by the county.
On behalf of the township, I acknowledge that the organization is applying to conduct gambling activity within the township limits. (A township has no statutory authority to approve or deny an application, per Minnesota Statutes 349.213, Subd. 2.)

Print Township Name: _____

Signature of Township Officer: _____

Title: _____ Date Signed: _____

ACKNOWLEDGMENT AND OATH

1. I hereby consent that local law enforcement officers, the Board or its agents, and the commissioners of revenue or public safety and their agents may enter and inspect the premises.
2. The Board and its agents, and the commissioners of revenue and public safety and their agents, are authorized to inspect the bank records of the gambling account whenever necessary to fulfill requirements of current gambling rules and law.
3. I have read this application and all information submitted to the Board is true, accurate, and complete.
4. All required information has been fully disclosed.
5. I am the chief executive officer of the organization.
6. I assume full responsibility for the fair and lawful operation of all activities to be conducted.
7. I will familiarize myself with the laws of Minnesota governing lawful gambling and rules of the Board and agree, if licensed, to abide by those laws and rules, including amendments to them.
8. Any changes in application information will be submitted to the Board no later than ten days after the change has taken effect.
9. I understand that failure to provide required information or providing false or misleading information may result in the denial or revocation of the license.
10. I understand the fee is non-refundable regardless of license approval/denial.

_____ 12-3-24
Signature of Chief Executive Officer (designee may not sign) Date

Data privacy notice: The information requested on this form (and any attachments) will be used by the Gambling Control Board (Board) to determine your organization's qualifications to be involved in lawful gambling activities in Minnesota. Your organization has the right to refuse to supply the information; however, if your organization refuses to supply this information, the Board may not be able to determine your organization's qualifications and, as a consequence, may refuse to issue a permit. If your organization supplies the information requested, the Board will be able to process your organization's application. Your organization's name and address will be public information when received by the Board. All other information provided will be private data about your organization until the Board issues the permit. When the Board issues the permit, all information provided will become public. If the Board does not issue a permit, all information provided remains private, with the exception of your organization's name and address which will remain public. Private data about your organization are available to: Board members, Board staff whose work requires access to the information; Minnesota's Department of Public Safety, Attorney General, Commissioners of Administration, Minnesota Management & Budget, and Revenue; Legislative Auditor, national and international gambling regulatory agencies; anyone pursuant to court order; other individuals and agencies specifically authorized by state or federal law to have access to the information; individuals and agencies for which law or legal order authorizes a new use or sharing of information after this notice was given; and anyone with your written consent.

This form will be made available in alternative format, i.e. large print, braille, upon request.

An equal opportunity employer

MINNESOTA LAWFUL GAMBLING

LG215 Lease for Lawful Gambling Activity

LEASE INFORMATION

Organization: Owatonna Youth Hockey Association, Inc.	License/Site Number: 74008	Daytime Phone: 507-213-0605
Address: PO Box 76	City: Owatonna	State: MN Zip: 55060
Name of Leased Premises: MSB, LLC	Street Address: ~~111 N Walnut Avenue~~ 210 N. Oak Ave.	
City: Owatonna	State: MN Zip: 55060	Daytime Phone: 507-413-6281
Name of Legal Owner: STADHEIM PROPERTIES OF OWATONNA, LLC	Business/Street Address: 11401 72nd Ave SW	
City: Ellendale	State: MN Zip: 56026	Daytime Phone: 507-456-1471
Name of Lessor **(if same as legal owner, write "SAME")**: MSB, LLC dba Mineral Springs Brewery	Address: ~~111 N Walnut Avenue~~ 210 N. Oak Ave.	
City: Owatonna	State: MN Zip: 55060	Daytime Phone: 507-413-6281

Check applicable item:

- [x] **New or amended lease.** Effective date: 03/01/2025. Submit changes at least ten days **before** the effective date of the change.
- [ ] **New owner.** Effective date: _____. Submit new lease **within** ten days after new lessor assumes ownership.

CHECK ALL ACTIVITY THAT WILL BE CONDUCTED (no lease required for raffles)

- [ ] Pull-Tabs (paper)
- [x] Pull-Tabs (paper) with dispensing device
- [ ] Bar Bingo
- [ ] Bingo
- [ ] Tipboards
- [ ] Paddlewheel
- [ ] Paddlewheel with table
- [x] Electronic Pull-Tabs
- [x] Electronic Linked Bingo

Electronic games may only be conducted:

1. at a premises licensed for the on-sale of intoxicating liquor or the on-sale of 3.2% malt beverages; or
2. at a premises where bingo is conducted as the primary business and has a seating capacity of at least 100.

PULL-TAB, TIPBOARD, AND PADDLEWHEEL RENT (separate rent for booth and bar ops)

BOOTH OPERATION: Some or all sales of gambling equipment are conducted by an employee/volunteer of a licensed organization at the leased premises.

ALL GAMES, including electronic games: Monthly rent to be paid: ____%, not to exceed **10%** of gross profits for that month.

- Total rent paid from all organizations for only booth operations at the leased premises **may not exceed $1,750**.
- The rent cap does not include BAR OPERATION rent for electronic games conducted by the lessor.

BAR OPERATION: All sales of gambling equipment conducted by the lessor or lessor's employee.

ELECTRONIC GAMES: Monthly rent to be paid: 15 %, not to exceed **15%** of the gross profits for that month from electronic pull-tab games and electronic linked bingo games.

ALL OTHER GAMES: Monthly rent to be paid: 20 %, not to exceed **20%** of gross profits from all other forms of lawful gambling.

- If any booth sales conducted by a licensed organization at the premises, rent may not exceed **10%** of gross profits for that month and is subject to booth operation **$1,750** cap.

BINGO RENT (for leased premises where bingo is the primary business conducted, such as bingo hall)

Bingo rent is limited to one of the following:

- Rent to be paid: _____ %, not to exceed **10%** of the monthly gross profit from all lawful gambling activities held during bingo occasions, excluding bar bingo.

  - OR -
- Rate to be paid: $ _____ per square foot, not to exceed 110% of a comparable cost per square foot for leased space, as approved by the director of the Gambling Control Board. The lessor must attach documentation, verified by the organization, to confirm the comparable rate and all applicable costs to be paid by the organization to the lessor.
  - ⇒ **Rent may not be paid for bar bingo.**
  - ⇒ Bar bingo does not include bingo games linked to other permitted premises.

LEASE TERMINATION CLAUSE (must be completed)

The lease may be terminated by either party with a written 30 day notice. Other terms:

Lease Term: The term of this agreement will be concurrent with the premises permit issued by the Gambling Control Board (Board).

Management: The owner of the premises or the lessor will not manage the conduct of lawful gambling at the premises. The organization may not conduct any activity on behalf of the lessor on the leased premises.

Participation as Players Prohibited: The lessor will not participate directly or indirectly as a player in any lawful gambling conducted on the premises. The lessor's immediate family and any agents or gambling employees of the lessor will not participate as players in the conduct of lawful gambling on the premises, except as authorized by Minnesota Statutes, Section 349.181.

Illegal Gambling: The lessor is aware of the prohibition against illegal gambling in Minnesota Statutes 609.75, and the penalties for illegal gambling violations in Minnesota Rules 7865.0220, Subpart 3. In addition, the Board may authorize the organization to withhold rent for a period of up to 90 days if the Board determines that illegal gambling occurred on the premises or that the lessor or its employees participated in the illegal gambling or knew of the gambling and did not take prompt action to stop the gambling. Continued tenancy of the organization is authorized without payment of rent during the time period determined by the Board for violations of this provision, as authorized by Minnesota Statutes, Section 349.18, Subd. 1(a).

To the best of the lessor's knowledge, the lessor affirms that any and all games or devices located on the premises are not being used, and are not capable of being used, in a manner that violates the prohibitions against illegal gambling in Minnesota Statutes, Section 609.75.

Notwithstanding Minnesota Rules 7865.0220, Subpart 3, an organization must continue making rent payments under the terms of this lease, if the organization or its agents are found to be solely responsible for any illegal gambling, conducted at this site, that is prohibited by Minnesota Rules 7861.0260, Subpart 1, item H, or Minnesota Statutes, Section 609.75, unless the organization's agents responsible for the illegal gambling activity are also agents or employees of the lessor.

The lessor must not modify or terminate the lease in whole or in part because the organization reported, to a state or local law enforcement authority or to the Board, the conduct of illegal gambling activity at this site in which the organization did not participate.

Other Prohibitions: The lessor will not impose restrictions on the organization with respect to providers (distributor or linked bingo game provider) of gambling-related equipment and services or in the use of net profits for lawful purposes.

The lessor, the lessor's immediate family, any person residing in the same residence as the lessor, and any agents or employees of the lessor will not require the organization to perform any action that would violate statute or rule. The lessor must not modify or terminate this lease in whole or in part due to the lessor's violation of this provision. If there is a dispute as to whether a violation occurred, the lease will remain in effect pending a final determination by the Compliance Review Group (CRG) of the Board. The lessor agrees to arbitration when a violation of this provision is alleged. The arbitrator shall be the CRG.

Access to Permitted Premises: Consent is given to the Board and its agents, the commissioners of revenue and public safety and their agents, and law enforcement personnel to enter and inspect the permitted premises at any reasonable time during the business hours of the lessor. The organization has access to the premises during any time reasonable and when necessary for the conduct of lawful gambling.

Lessor Records: The lessor must maintain a record of all money received from the organization, and make the record available to the Board and its agents, and the commissioners of revenue and public safety and their agents upon demand. The record must be maintained for 3-1/2 years.

Rent All-Inclusive: Amounts paid as rent by the organization to the lessor are all-inclusive. No other services or expenses provided or contracted by the lessor may be paid by the organization, including but not limited to:

- trash removal
- electricity, heat
- snow removal
- storage
- janitorial and cleaning services
- other utilities or services
- lawn services
- security, security monitoring
- cost of any communication network or service required to conduct electronic pull-tabs games or electronic bingo
- in the case of bar operations, cash shortages.

Any other expenditures made by an organization that is related to a leased premises must be approved by the director of the Board. Rent payments may not be made to an individual.

ACKNOWLEDGMENT OF LEASE TERMS

I affirm that this lease is the total and only agreement between the lessor and the organization, and that all obligations and agreements are contained in or attached to this lease and are subject to the approval of the director of the Gambling Control Board.

Other terms of the lease:

1 - William J Cronin / President - Owner 11/26/2024

2 - Rodney A. Baker / Treasurer 11/26/2024

3 - Mark Sebring / Vice President 11.26.2024

Signature of Lessor:	Date:	Signature of Organization Official (Lessee):	Date: 11/26/24
Print Name and Title of Lessor:		Print Name and Title of Lessee: Colleen Rehman Gambling Manager	

Questions? Contact the Licensing Section, Gambling Control Board, at 651-539-1900. This publication will be made available in alternative format (i.e. large print, braille) upon request. **Data privacy notice:** The information requested on this form and any attachments will become public information when received by the Board, and will be used to determine your compliance with Minnesota statutes and rules governing lawful gambling activities.

Mail or fax lease to:
Minnesota Gambling Control Board
1711 W. County Road B, Suite 300 South
Roseville, MN 55113
Fax: 651-639-4032

Miscellaneous

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Sean Murphy, Public Works Director
SUBJECT: Amendment #4 - Professional Services Agreement for Staff Augmentation - WHKS & Co.

Purpose:
Requesting approval of Amendment 4 to the WHKS Proposal for Staff Augmentation Services.

Background:
WHKS has provided staff augmentation services to assist with engineering projects and training since November 15, 2022. Services include design oversight, design direction, establishing design schedules, assessing staff's design skills and needs, and State/Federal Aid Project compliance assistance. Staff and WHKS typically meet via Microsoft Teams for check-ins. Additional services are necessary due to the vacancy of the Civil Engineer position, effective January 1, and various assistance is now needed for the upcoming construction season's projects.

See attached for the entire scope of service and pricing details.

Budget Impact:
Billed hourly per the attached Exhibit A. Agreement amendment will not exceed $20,000 without additional authorization. The total contract amount to date, including amendments 1, 2 and 3, and 4 is $130,000. Costs will be paid with anticipated Engineering Operating Budget Savings from vacant budgeted positions.

Staff Recommendation:
Staff recommends approval.

Attachments:
1. Amendment #4 to Professional Services Agreement - WHKS

AMENDMENT NO. 4
TO PROFESSIONAL SERVICES AGREEMENT

WHEREAS, **City of Owatonna** (Client) and WHKS & Co. (WHKS) executed a Professional Services Agreement dated **November 15, 2022** for certain engineering services for **Staff Augmentation** (Project), and

WHEREAS, the Agreement described a scope of services and was based on completion of certain services, and

WHEREAS, the Client has requested **Technical Assistance** services for the **Staff Augmentation** as described in more detail in attached Exhibit A, and

NOW THEREFORE, the Client and WHKS hereby agree the amended compensation for services shall be increased by the following:

Basis of Compensation

For the services described above, the Client shall remunerate WHKS as follows:

Billed Hourly. Agreement will not exceed $20,000 without additional authorization.

Executed this _____ day of _____

City of Owatonna		***WHKS** & CO.*	
By:	_____	By:	_____
Printed Name:	_____	Printed Name:	_____
Title:	_____	Title:	_____

Exhibit A to Amendment No. 4

A. Project Description

Provide staff augmentation services to assist with engineering projects. Services will include design oversight, design direction, establishing design schedules, construction administration and construction observation. WHKS staff will attend meetings in Owatonna Engineering Department as requested. We will assist with determining if outside engineering services are needed.

Specifically for this amendment, design engineering services are request for storm sewer design related to the City's Linn Drive reconstruction project. The project is expected to entail the following items.

- Sizing of the proposed stormwater intake system.
- Review outlet velocity and flows to downstream channel.
- Evaluate the capacity of the existing 24" RCP storm sewer.
- Review inline treatment options.
- Provide memo of sizing recommendations and treatment options.
- Provide memo summarizing MS4 requirements being met and those that are to the maximum extent feasible.
- Recommendation and detail of outlet treatment of existing storm sewer.

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Sean Murphy, Public Works Director
SUBJECT: Consulting Services - Asset Development Consulting for Renewable Natural Gas - EcoEngineers

Purpose:
Requesting City Council approval of the Asset Development Consulting Proposal from EcoEngineers for consulting services to assess Owatonna's revenue producing options for biogas conversion to renewable natural gas and providing recommendations.

Background:
The City of Owatonna is operating a wastewater treatment plant with the intention of upgrading biogas to renewable natural gas (RNG). The attached proposal includes consulting services to engage EcoEngineers consulting services to provide feedstock and process market analysis to help aid determining participation in a regulated or non-related market for the best short- and long-term facility revenue plan. EcoEngineers will also prepare a list of recommendations for market entry as well as general guidance on commercial agreement structures.

An MSA and NDA are also included with the contract which City Attorney Walbran has reviewed and approved as attached.

Budget Impact:
The cost of the initial Compliance Consultation is $25,000 and will be paid for using sanitary sewer funds.

Staff Recommendation:
Staff recommends approval.

Attachments:
1. EcoEngineers NDA (2024) - City of Owatonna
2. City of Owatonna - Asset Development 1.30.25
3. EcoEngineers MSA (2024)

Confidentiality Agreement

THIS AGREEMENT, dated , by and between TPR Enterprises, LLC, (DBA "EcoEngineers") an Iowa Limited Liability Company (hereinafter "EcoEngineers"), located at 909 E. Locust, Suite 202, Des Moines, IA 50309 and City of Owatonna, located at 540 West Hills Circle, Owatonna, Minnesota 55060, United States, (hereinafter "Company")

WITNESSETH:

WHEREAS, EcoEngineers possesses certain confidential and proprietary information relating to its business, products and services, and its customers' businesses, products and services, and Company possesses certain confidential and proprietary information relating to its business, products and services, and its customers' businesses, products and services (individually and collectively referred to as the "Confidential Information ");

WHEREAS, EcoEngineers and Company may disclose certain Confidential Information to one another but each desires to protect the confidential, proprietary and trade secret status of their respective Confidential Information; and

WHEREAS, both EcoEngineers and Company are desirous of receiving and reviewing the other's Confidential Information for the limited purpose of evaluating the potential for a business relationship between the parties, and if such evaluating is successful, carrying out such business relationship (Collectively, "Relationship").

NOW, THEREFORE, in consideration of the premises and the mutual promises contained herein, the parties agree as follows:

1. Confidential Information. The recipient ("Recipient") of the Confidential Information shall not disclose any of the Confidential Information provided to it by the other party (the "Disclosing Party") to others and may disclose such Confidential Information to only its and its affiliates' officers, employees and managers who reasonably require knowledge of such Confidential Information for the limited purpose described above and who have a secrecy obligation to Recipient, in which case such officers and/or employees shall only use such Confidential Information for such limited purpose. Recipient acknowledges that (i) such Confidential Information constitutes a valuable trade secret of the other party and (ii) any unauthorized disclosure or use of such Confidential Information by Recipient will cause irreparable harm to the other party.

   Confidential Information shall include, but not be limited to (without limitation) data, documents, reports, analyses, tests, assessments, specifications, charts, plans,

drawings, models, ideas, concepts, schemes, correspondence, communications, lists, manuals, computer programs, computer code, modules, scripts, algorithms, features and modes of operation, inventions (whether or not patentable), schematics, pricing data, the physical and chemical characteristics of compounds, product specifications, manufacturing processes and operations, compositions, formulations, formulation techniques, analytical methodology, safety and efficacy data, testing data, future market and product plans, marketing and financial data, know-how, trade secrets, ideas and other information of a technical, scientific, or economic nature, testing procedures, software, software design and architecture, design and function specifications, analysis and performance information, user documentation, internal documentation, designs, technology, techniques, methods, processes, services, routines, systems, procedures, practices, operations, apparatus, equipment, agreements between the Parties and/or their respective Affiliates (including this Agreement and any interim or final agreement relating to the Relationship), business opportunities, contracts, customer and supplier lists and other customer information, technical and economic data, financial information, financial strategies, engineering reports, environmental reports, land and lease information, marketing information, field notes, marketing strategies, marketing methods, sketches, photographs, records, know-how and trade or other secrets, together with all analyses, compilations, data studies or other documents prepared by the Recipient Party containing or based upon, in whole or in part, information acquired by the Recipient Party in connection with the Relationship (collectively, whether verbal, written, electronic or existing, stored or communicated in any other form or medium, together with all copies thereof, however or whenever made, the "**Confidential Information**").

2. Permitted Activities. Recipient shall use or allow such Confidential Information to be used only for the limited purpose described above and in a manner consistent with the terms and conditions of this Agreement. Recipient is only entitled to have access to or use Confidential Information after prior written authorization has been given by the Disclosing Party. Notwithstanding the foregoing sentence, and whether or not such authorization has been requested or given, Recipient will only possess and use Confidential Information strictly in accordance with this Agreement and for the sole purpose of evaluating, discussing, negotiating and, if applicable and if the Parties have agreed, implementing, integrating, designing, developing, using, marketing, supplying, selling, operating and/or performing agreed and authorized services, supplies and other activities in respect of the Relationship in accordance with any and all agreements (now existing or hereafter entered into) between the Parties with respect to the Relationship (collectively, the "**Permitted Activities**").

3. Exceptions. Confidential Information disclosed shall remain confidential unless and to the extent that:

(a) The Confidential Information is, or becomes, in the public domain;
(b) Recipient receives the Confidential Information from a third party not privy to this Agreement as a matter of right and not in violation of the confidential relationship created under this Agreement or in violation of any obligation to the Disclosing Party;
(c) The Confidential Information is in Recipient's possession before Recipient's receipt of the Confidential Information from the Disclosing Party; or
(d) The Disclosing Party approves release of the Confidential Information by written authorization.

The exceptions set forth above shall apply only in the event and to the extent that Recipient provides the Disclosing Party with written documentation or records of the Confidential Information in substantially the same degree of specificity as the disclosure of the Confidential Information is made hereunder.

4. Copies. The Recipient Party will not make, or enable, authorize, permit or acquiesce in any other person making, any copy or abstract of any Confidential Information without the prior written authorization of the Disclosing Party unless such copying or abstracting is done strictly in accordance with this Agreement and for the sole purpose of Permitted Activities. The Recipient Party will not reverse engineer, or enable, authorize, permit or acquiesce in any other person reverse engineering, any Confidential Information.

5. Disclosure in Judicial or Administrative Proceeding. If Recipient is required to produce the Confidential Information by law, governmental proceeding or court order, Recipient may disclose such Confidential Information without liability hereunder; provided, however, before producing any Confidential Information, Recipient shall notify the Disclosing Party promptly of any such proceeding or court order in order to provide the Disclosing Party with a reasonable amount of time so that the Disclosing Party may seek an appropriate protective order or other appropriate remedy and/or waive the Recipient's or such Representative's compliance with the provisions of this Agreement. In the event that such protective order or other remedy is not obtained, or that the Disclosing Party grants a waiver hereunder, the Recipient or such Representative may furnish that portion of the Confidential Information which, in the opinion of the Recipient's counsel, it is legally required by applicable law to disclose and will reasonably cooperate with the Disclosing Party's efforts, at the Disclosing Party's expense, to obtain confidential treatment of the Confidential Information so furnished.

6. Announcements. Except as may be necessary, in the opinion of counsel, to comply with the requirements of any law, governmental regulation or order, or the requirements of any stock exchange on which shares of the party hereto making any announcement or statement or issuing any release may be listed, at no time shall either party, without the prior written consent of the other party hereto, make any

announcement, press release or any statement to any third party, which announcement, press release or statement relates to or refers to any of the specific matters discussed between them or which might identify (either directly or indirectly) the other party hereto as being involved in such discussions.

7. Return of Material. At any time upon the Disclosing Party's request, Recipient shall immediately return all Confidential Information provided by the Disclosing Party and all information developed there from in which the Confidential Information is revealed or could be ascertained. An officer of Recipient shall certify that Recipient has complied with the provisions of this paragraph 7 upon Recipient's return of the Confidential Information to the Disclosing Party.

8. Injunction. In the event of a breach or a threatened breach of the terms of this Agreement, the Disclosing Party shall be entitled to an injunction restraining Recipient, its officers or employees about to commit any breach of this Agreement or who have committed a breach of this Agreement from continuing the same, without showing or proving any actual damage sustained by the Disclosing Party. Recipient acknowledges that this Agreement is made for the benefit of Recipient as well as for the benefit of the Disclosing Party and that money damages are inadequate to compensate the Disclosing Party for any breach of this Agreement. Nevertheless, in the event of such breach, the Disclosing Party shall, in addition to this injunctive relief, be entitled to all other remedies provided for by law including, but not limited to, an award of damages.

9. Officers, Employees and Managers. Recipient shall be completely responsible for maintaining the secrecy and confidentiality of the Confidential Information conveyed to Recipient in accordance with the terms of this Agreement and shall be responsible for the actions and activities of all of Recipient's and Recipient's affiliates' officers, employees and managers working with or otherwise having access to the Confidential Information.

10. No License. The Receiving Party acknowledges that the Disclosing Party (or any third party entrusting its own confidential information to the Disclosing Party) claims ownership of the Confidential Information disclosed by the Disclosing Party and all patent, copyrights, trademark, trade secret, and other intellectual property rights in, or arising from, such Confidential Information. No option, license, or conveyance of such rights to the Receiving Party is granted or implied under this Agreement. If any such rights are to be granted to the Receiving Party, such grant shall be expressly set forth in a separate written instrument. Neither party shall be obligated to engage in the commercialization of the concepts, projects or information exchanged hereunder.

11. Term. The obligations and restrictions of Recipient under this Agreement shall

continue for a period of three (3) years from the date of the last disclosure contemplated in this Agreement. This Agreement shall protect disclosures made two (2) years from the date first written above.

12. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Iowa, excluding any conflict of law principles of the State of Iowa, which may require the application of the laws of another jurisdiction. The courts of the State of Iowa, the personal jurisdiction to which each of the parties to this Agreement voluntarily submits, shall have the exclusive jurisdiction to hear and decide any dispute or controversy concerning this Agreement.

13. Entire Agreement. This Agreement shall supersede and prevail over any other prior arrangements, either oral or written, as to the Confidential Information received under this Agreement. This Agreement constitutes the entire agreement between the parties relative to this subject matter and shall not be amended, except in a writing signed by both parties. Recipient may not assign or delegate its obligations arising under this Agreement.

IN WITNESS WHEREOF, the authorized representatives of the parties have duly executed this Agreement as of the date first above written.

Company: **City of Owatonna,**
a Government Entity organized in MN
By:

_____

Its Authorized Representative

Print Name:

_____

Title: _____

Date: _____

TPR Enterprises, LLC, d/b/a EcoEngineers

By:

_____

Its Authorized Representative

Print Name:

_____

Title: _____

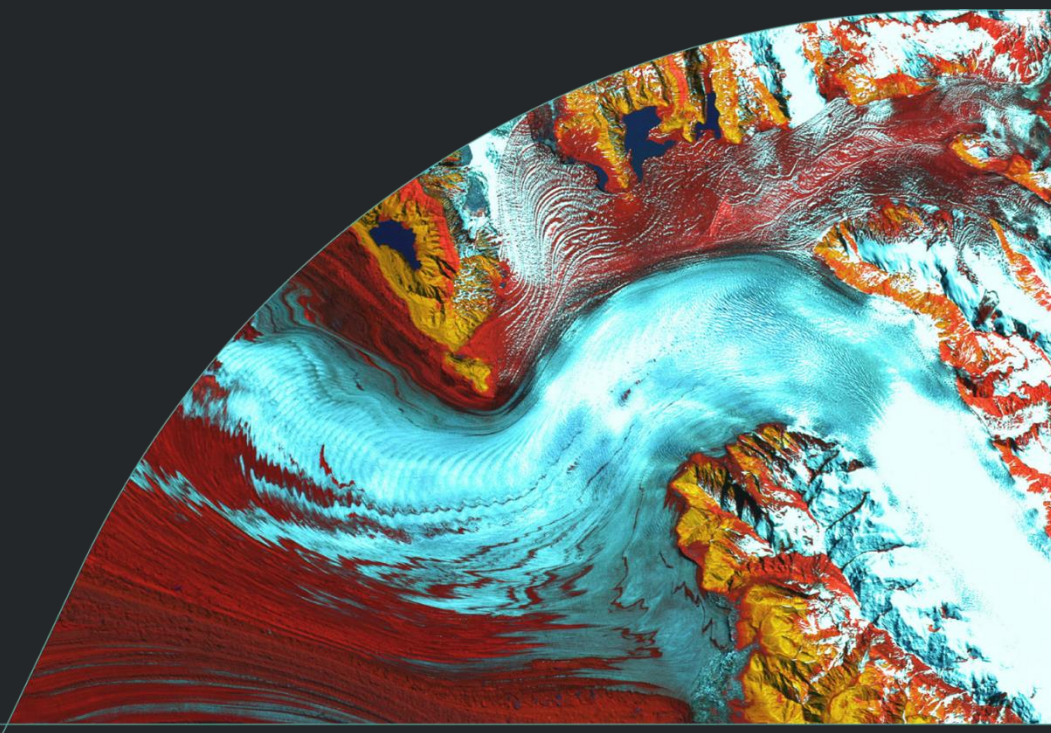
Date: _____

Asset Development Consulting

City of Owatonna

January 30, 2025

Proposal #005564



EcoEngineers' Scope of Work Proposal #005564 ☒ Original ☐ Revised

Sean Murphy
City of Owatonna
540 West Hills Circle
Owatonna, MN 55060
Sean.Murphy@owatonna.gov

ASSET DEVELOPMENT CONSULTING SERVICES

1.0 Executive Summary

City of Owatonna (the Client) is operating a wastewater treatment plant with the intention of upgrading biogas to renewable natural gas (RNG). City of Owatonna's feedstock is municipal waste plus septage receiving haulers. Additionally, the City is working on evaluating a fats, oils and grease dump station, which would be pumped directly into the digesters and not be processed through the liquid stream. The Client would like to engage EcoEngineers consulting services to provide feedstock and process market analysis to help aid in the determination if participation in a regulated or non-related market is a better short- and long-term facility revenue plan. The EcoEngineers consulting team will also prepare a list of recommendations for market entry as well as general guidance on commercial agreement structures.

2.0 Project Team

Available resources that will be allocated to this project are as follows:

- Jessica Rozzi, Account Manager
- Sean Gassen, Carbon Consulting Manager, RNG
- Lyndsey Nielsen, EcoUniversity Director
- Kylie Bednarick, Senior Carbon Consultant
- Holland Heins, Carbon Consultant, Asset Development
- Other regulatory and engineering resources as needed

3.0 Services Provided

Following are the services to be provided under this SOW proposal. A description of each service and its corresponding deliverable is provided below.

Task 1: Renewable Energy Market Assessment of Regulated versus Non-Regulated Options

EcoEngineers will study the Client's feedstock concept, options, goals, and likely project outline for applicability to existing offset project methodologies. The market feasibility assessment will begin as a high-level examination of project registration options. The report will provide an outline of the potential project scenarios and provide sufficient information to the Client to identify any red flags towards project development.

1. Identify potential carbon markets to monetize renewable/environmental attributes from production of renewable natural gas.
2. RFS review of feedstock eligibility and determination to provide opinion on regulation determination of current and future facility design and operation.
3. Provide commentary around RNG markets including the Renewable Fuel Standard (RFS), California Low Carbon Fuel Standard (LCFS), Washington Clean Fuel Standard (WACFS), British Columbia (RLCFR) and RNG voluntary markets including history, current pricing, and future outlook from the industry.
4. Discuss the Set Rule for the Renewable Fuel Standard (RFS) program and the major changes implemented by the Set Rule highlighting the ability to co-digest mixed RIN code feedstocks (D3 versus D5).
5. Project potential revenues from the sale of RNG and associated environmental credits to prepare a detailed economic model and a pro-forma to make 10-year financial projections for the project.
    a. RFS Only
    b. Voluntary "non-transportation" markets
6. Provide commentary on the proposed RFS eRIN program and potential for future implementation.
7. Outline the importance of the carbon intensity (CI) score and primary CI drivers for each market option. Discuss the benefits of achieving a net-neutral or carbon-negative CI score for the facility.
8. Outline the pros and cons of each market and the risks associated with each.
9. Outline common deal structure arrangements for regulated and voluntary markets and potential project partners to offtake/purchase RNG.
10. Discuss potential risks and risk mitigation tools for a biogas upgrading project and the associated credit programs.
11. Outline the potential values for each renewable energy production option for each market option.
12. Prepare an overall renewable energy market flow chart summarizing each option, pricing, and terms.
13. Prepare a draft market assessment including pros, cons, risk mitigation, and recommendations from EcoEngineers technical experts to be submitted for review and comment by the City.
14. Submit a final draft report in PDF format.

Task 2: Executive Level Presentation Slide Deck (Optional)

EcoEngineers will provide an executive level MS PowerPoint report detailing the findings of Task 1 market assessment

- 4-6 slides MS PowerPoint
- Outline key talking points on the current and future RNG transportation and non-transportation markets
- Outline the pros and cons of each market and the risks associated with each.
- Cost estimates and timetable for completion of project
- Recommended next steps

Task 3: EcoUniversity (Optional)

EcoEngineers' EcoUniversity training in Renewable Natural Gas (RNG) projects can be customized for the City's team and usually includes these topics:

Renewable Natural Gas (RNG) - Level I

- Evolution and uses of Biogas / RNG
- Market value of RNG under low-carbon fuel programs such as the RFS and LCFS
- Physical and contractual pathways for RNG and environmental attributes
- Key roles along the value chain of RNG
- Carbon Intensity and CA-GREET
- Overview of voluntary markets and registries Review of applicable concepts
- Project development details
- GHG accounting and Scopes 1, 2, 3 overview

Renewable Fuel Standard (RFS) – Level I

- RFS Overview RFS regulatory background, goals, compliance mechanisms and key drivers
- RIN Market Valuations Cellulosic Waiver Credits
- Renewable Volume Obligations
- The market created by the regulation and factors that impact RIN pricing
- RFS Registration and Compliance Part 80 Registration
- Q-RIN Requirements
- Reporting & Compliance Schedule

4.0 Project Timeline

The project shall commence with an SOW contract and shall be substantially complete according to the proposed timeline below. The actual timeline and substantial completion date may vary depending on acts or circumstances beyond the reasonable control of EcoEngineers, including, without limitation, those described in the MSA.

Timeframe	Task	Description of Activities to be Completed
45 – 60 days from receipt of all requested data	1	Renewable Energy Market Assessment Report
15 days from final draft submission	2	Executive Level Presentation Slide Deck
14-21 days after project kick off	3	One full day in-person or virtual session on Renewable Natural Gas training

5.0 Project Deliverables

The final deliverables will be the following:

Task	Final Deliverable Description
1	Renewable Energy Market Assessment Report – this document may be used externally
2	Executive Level Presentation Slide Deck
3	One full day in-person or virtual session on Renewable Natural Gas training, EcoUniversity workbooks and handouts, delivered virtually (pdf)

6.0 Project Fee Schedule

The following activities and their associated costs are outlined below for the project:

Acct. Code	Task	Description	Qty.	Unit	Unit Price	Amount
600	1	Renewable Energy Market Assessment Report	1	Lump Sum	$25,000	$25,000
600	2	Executive Level Presentation Slide Deck (Optional)	1	Lump Sum	$2,000	$2,000
900	3	EcoUniversity (Optional)	2	Lump Sum	$3,000	$6,000
TOTAL						**$25,000 excluding optional Tasks**

7.0 SOW Agreement Terms and Conditions

This **SOW Agreement Terms and Conditions** (this **"SOW"**) adopts and incorporates by reference the terms and conditions of Master Services Agreement EcoEngineers Terms and Conditions #MSA 20240718CO (the **"MSA"**) which was entered into between TPR Enterprises, LLC, d/b/a EcoEngineers, an Iowa limited liability company (**"EcoEngineers"**), and undersigned Client or its affiliate (**"Client"**), as it may be amended from time to time, and the below Scope of Work Proposal. A capitalized term not defined herein shall have the meaning ascribed to such term in the MSA.

Unforeseen regulatory changes proposed/implemented by CARB, IRS, SEC, TCFD, USEPA, or other public or private governing or standard setting bodies applicable to the services provided under this SOW may impact the Services provided in this SOW. If such changes occur, EcoEngineers will notify Client and provide an amended SOW.

This SOW is effective beginning on the date fully signed below (**"Effective Date"**) and will remain in effect until terminated in accordance with the MSA. All services performed under this SOW will be subject to the terms and conditions of this SOW, and the MSA.

SOW PAYMENT TERMS AND CLIENT'S ADDRESSEE INFORMATION:

Scope of Work Proposal	#005564
Proposal Amount	$25,000, if Optional Tasks are selected additional costs will incur
Optional Tasks	Task 2 ☐Yes ☐No Task 3 ☐Yes ☐No
Down Payment	$0
Subscription-Based Service	Yes ☐ No ☒
Terms of Payment	☒ Progress Billing (billed incrementally as Services are completed). ☒ Payment balance is incrementally and proportionally billed over the project's duration on the 20th of each month. ☒ Time and expense billed at rates applicable at the time Services are provided (billed incrementally as Services are performed).
Taxes and Expenses	Not included (to be paid by Client).
Pricing	Proposal and pricing valid for 30 days.
Client Addressee Info	Sean Murphy City of Owatonna 540 West Hills Circle Owatonna, MN 55060 Sean.Murphy@owatonna.gov

[Signature page follows]

IN WITNESS WHEREOF, the parties hereto have executed this SOW as of the date below.

City of Owatonna:	**TPR Enterprises, LLC, d/b/a EcoEngineers:**
Authorized Signature	Authorized Signature
Full Name	Full Name
Title	Title
Date	Effective Date

MASTER SERVICES AGREEMENT
ECOENGINEERS TERMS AND CONDITIONS (#20240718CO)

1. Applicability.

The terms and conditions of this Master Services Agreement (this "**MSA**") are the only terms which govern the sale of the services ("**Services**") which may include, among other items, the delivery of a written report, findings and/or analyses (the "**Deliverables**") and/or other items of value, whether tangible or intangible, by TPR Enterprises, LLC, d/b/a EcoEngineers ("**EcoEngineers**"), to the undersigned "Client" named below on behalf of itself and any affiliate of such party identified in any SOW (as defined below) ("**Client**"). In this MSA, EcoEngineers and Client are sometimes each called a "**party**" and collectively, the "**parties**".

(a) Any accompanying scope of work (the "**SOW**"), any required Sublicense (defined in **Section 15(b)** herein), and this MSA (collectively, this "**Agreement**") comprise the entire agreement between the parties, and supersede all prior or contemporaneous understandings, agreements, negotiations, representations and warranties, and communications, both written and oral, with respect to the subject matter hereof. This Agreement prevails over any of Client's general terms and conditions of purchase regardless of whether or when Client has delivered to EcoEngineers its purchase order or such general terms and conditions.

(b) This MSA shall be incorporated into each SOW executed by EcoEngineers and Client (including an affiliate of Client). Each SOW shall include a description of the Services to be performed by EcoEngineers in accordance with this MSA, specific performance items, compensation provisions, a time schedule, Deliverables and/or such other matters consistent with this MSA as EcoEngineers and Client may agree. Client agrees that an SOW (captioned as a "Scope of Work", "Work Authorization", or other similarly named form) may be in substantially the forms attached hereto as Exhibit A and Exhibit B, respectively. For purposes of this MSA, "affiliate" means with respect to any person, any person which directly or indirectly, controls, is controlled by, or is under common control with, such person.

(c) Notwithstanding anything to the contrary contained in this Agreement, EcoEngineers may, from time to time change the Services without the consent of Client provided that such changes do not materially affect the nature or scope of the Services, or the fees or any performance dates set forth in the SOW. EcoEngineers shall give written notice of such change to client 60 days prior to the effective date of such change.

2. Performance of Services.

(a) The Services will be delivered as provided pursuant to the SOW. If for any reason Client fails to accept delivery of any of the Services on the date fixed pursuant to EcoEngineers' notice (that the Services have been provided or are available to Client), or if EcoEngineers is unable to deliver the Services on such date because Client has not provided appropriate instructions, documents, licenses, authorizations, or other material items, the Services shall still be deemed to have been delivered.

(b) EcoEngineers shall use commercially reasonable efforts to meet any performance dates to render the Services specified in the SOW; provided, however, the parties acknowledge any such dates shall be estimates only.

(c) With respect to the Services, Client shall (i) cooperate with EcoEngineers in all matters relating to the Services and provide reasonable access to Client's facilities and other premises for the purposes of performing the Services; (ii) respond promptly to any EcoEngineers request to provide direction, information, approvals, authorizations or decisions that are reasonably necessary or advisable for EcoEngineers to perform Services in accordance with the requirements of this Agreement; (iii) provide such Client materials or information as EcoEngineers may request to carry out the Services in a timely manner and ensure that such Client materials and information are complete and accurate (notwithstanding any contrary disclaimer as to completeness or accuracy set forth in a separate writing by the Client); and (iv) obtain and maintain all necessary licenses and consents and comply with all applicable laws in relation to the Services before the date on which the Services are to start.

3. Client's Acts or Omissions; Representations. If EcoEngineers' performance of its obligations under this Agreement is prevented or delayed by any act or omission of Client or its agents, subcontractors, consultants or employees, or for any other reason beyond reasonable control of EcoEngineers, EcoEngineers shall not be deemed in breach of its obligations under this Agreement or otherwise liable for any costs, charges or losses sustained or incurred by Client, in each case, to the extent arising directly or indirectly from such prevention or delay. Further, Client represents and warrants to EcoEngineers that, all information provided to EcoEngineers in the performance of EcoEngineers' Services shall be complete and accurate (notwithstanding any contrary disclaimer as to completeness or accuracy set forth in a separate writing by the Client) and that none of the information provided to EcoEngineers in the performance of the Services shall violate or otherwise infringe on any third party intellectual property right.

4. Change of Scope.

(a) If either party wishes to change the scope or performance of the Services set forth in a particular SOW, it shall submit details of the requested change to the other party in writing. EcoEngineers shall, within a reasonable time after such request, and based on the information known to EcoEngineers at the time, provide a written estimate to Client of: (i) the time required to implement the change; (ii) any necessary variations to the fees and other charges for the Services arising from the change; (iii) the effect of the change on the Services; and (iv) any other impact the change might have on the performance of this Agreement.

(b) Promptly after delivery of the written estimate to Client, the parties shall negotiate and agree in writing on the terms of such change in the scope of performance of the Services and fees and related expense due EcoEngineers (a "**Change Order**"). Neither party shall be bound by any Change Order unless mutually agreed upon in writing in accordance with **Section 27.** In addition, any Deliverables or other Services not specifically set forth in an SOW (or its corresponding Change Order), including any consulting or advisory services, services provided in connection with a PIR investigation, services related to training new staff of Client (integral to the QAP process and RIN Generation activities) and/or services for new LCFS Pathways,

requested by Client from time to time, shall be billed by EcoEngineers to Client, and paid by Client, on a time and materials basis, based on those prices and rates then in effect at the time the Services are provided.

5. Inspection and Rejection of Nonconforming Deliverables.

(a) Client shall inspect any Deliverables upon receipt. Client will be deemed to have accepted the Deliverables unless it notifies EcoEngineers in writing of any Nonconforming Deliverables within thirty (30) days of Client's receipt (the "**Inspection Period**") and furnishes such written evidence or other documentation as reasonably requested by EcoEngineers within such period (the "**Nonconforming Deliverables Notice**"). "**Nonconforming Deliverables**" means only an item of Deliverables or other Services provided which is materially different than identified in Client's SOW. Notwithstanding anything herein to the contrary, should EcoEngineers be required to update any Deliverables or Services resulting from a change in applicable regulations, such modification will be deemed as a Change Order for which EcoEngineers will be entitled to assess a corresponding change to fees and expenses in its reasonable discretion.

(b) If Client timely notifies EcoEngineers of any Nonconforming Deliverables, EcoEngineers may, within ten (10) business days, in its reasonable discretion, elect to: (i) replace such Nonconforming Deliverables with conforming Deliverables, or (ii) credit or refund the Price for such Nonconforming Deliverables. Following delivery of a duly delivered Nonconforming Deliverables Notice, EcoEngineers shall have ten (10) business days to inspect the subject Deliverables and to evaluate whether such Deliverables are Nonconforming Deliverables. If EcoEngineers exercises its option to replace Nonconforming Deliverables, EcoEngineers shall, after receiving return of the Nonconforming Deliverables, deliver to Client, the replaced Deliverables.

(c) Client acknowledges and agrees that the remedies set forth in Section 5 are Client's exclusive remedies for the delivery of Nonconforming Deliverables.

6. Price.

(a) Client shall purchase the Deliverables and Services from EcoEngineers at the price (the "**Price**" or plurally, the "**Prices**") set forth in this Agreement and any applicable SOW, and contingent upon the conditions as provided therein. Fees for Subscription-Based Services (as defined herein) are subject to annual increase upon sixty (60) days' written notice to Client.

(b) Client agrees to reimburse EcoEngineers for all reasonable travel and out-of-pocket expenses incurred by EcoEngineers in connection with the delivery of Deliverables and performance of the Services, calculated to equal the sum of: the actual cost plus ten percent (10%).

7. All Prices are exclusive of all sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any federal, state, or local government or governmental body or agency on any amounts payable by Client. Client shall be responsible for all such charges, costs and taxes; provided, however, Client shall not be responsible for any taxes

imposed on, or with respect to, EcoEngineers' income, revenues, gross receipts, personnel or real or personal property.

8. Payment Terms.

(a) Client shall timely pay all invoiced amounts due EcoEngineers. Client represents and warrants that it has accurately completed all requested "Invoicing Information" (including Client name, billing information, billing contact information, ACH debit information, if applicable, Client tax identification number and other tax information) delivered to EcoEngineers, and that such information shall remain accurate. Client may also be billed prior to the commencement of Services, depending on the Deliverables and Services provided and as may be required in an SOW. With respect to a Subscription-Based Service provided for a partial calendar year, its annual fee shall be prorated based on the number of calendar months (whether whole or partial) the Service is provided for such year. Client shall make all payments hereunder by wire transfer or check and in U.S. currency.

(b) Client shall pay interest on all late payments at the lesser of the rate of 1.5% per month or the highest rate permissible under applicable law, calculated daily and compounded monthly. Client shall reimburse EcoEngineers for all costs incurred in collecting any late payments, including, without limitation, attorneys' fees, and shall be charged a thirty-dollar ($30) fee for each check returned for non-sufficient funds by the Client's bank. In addition to all other remedies available under this Agreement or at law (which EcoEngineers does not waive by the exercise of any rights hereunder), EcoEngineers shall be entitled to terminate the applicable SOW, terminate this Agreement in its entirety and/or suspend the delivery of any Deliverables or performance of any Services if Client fails to pay any amounts when due hereunder and such failure continues for fifteen (15) days following written notice thereof. Written notice shall be provided consistent with **Section 23** of this MSA. Any subsequent failure to timely pay any amounts when due hereunder within a successive twelve (12)-month period following the delinquency shall entitle EcoEngineers to immediately terminate the applicable SOW or this Agreement or suspend any further delivery of Deliverables or performance of any Services hereunder. Client shall not withhold payment of any amounts due and payable by reason of any set-off of any claim or dispute with EcoEngineers, whether relating to EcoEngineers' breach, bankruptcy or otherwise.

(c)

9. Limited Warranty.

(a) EcoEngineers warrants to Client that it shall perform the Services using personnel of competent skill, experience and qualifications and in a professional and workmanlike manner in accordance with generally recognized industry standards for similar services and shall devote commercially reasonable resources to meet its obligations under this Agreement. EcoEngineers represents that none of the information provided solely by EcoEngineers in the Deliverables and performance of the Services shall violate or otherwise infringe on any third-party intellectual property right.

(b) EXCEPT FOR THE WARRANTIES SET FORTH IN SECTION 9(a) ECOENGINEERS MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE DELIVERABLES OR OTHER SERVICES, INCLUDING ANY (i) WARRANTY OF MERCHANTABILITY; OR (ii) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; OR (iii) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

(c) FOR THE AVOIDANCE OF DOUBT, ECOENGINEERS MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO ANY THIRD-PARTY PRODUCT, INCLUDING, WITHOUT LIMITATION, ANY (i) WARRANTY OF MERCHANTABILITY; (ii) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; (iii) WARRANTY OF TITLE; OR (iv) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

(d) EcoEngineers shall not be liable for a breach of the warranties set forth in **Section 9(a)** unless: (i) Client gives written notice of the defective Deliverables or Services, as the case may be, reasonably described, to EcoEngineers within thirty (30) days of the time when Client discovers or ought to have discovered the defect; (ii) if applicable, EcoEngineers is given a reasonable opportunity after receiving the notice of breach of the warranty set forth in **Section 9(a)** to examine such Deliverables and/or other Services; and (iii) EcoEngineers reasonably verifies Client's claim that the Deliverables or Services are defective.

(e) EcoEngineers shall not be liable for a breach of the warranty set forth in **Section 9(a**): (i) to the extent Client makes any further use of such Deliverables or Services after giving such notice; (ii) if the defect arises because Client failed to follow EcoEngineers' oral or written instructions as to the Deliverables or Services; or (iii) if Client alters or repairs such Deliverables or Services without the prior written consent of EcoEngineers.

(f) Subject to **Section 9(e)** above, with respect to any Services subject to a claim under the warranty set forth in **Section 9(a)**, EcoEngineers shall, in its sole discretion, (i) repair or re-perform the applicable Deliverables or Services or (ii) credit or refund the Price of such Deliverables or Services on a proportionate basis (according to the extent of the defective Services relative to all Services).

(g) THE REMEDIES SET FORTH IN SECTION 9(f) SHALL BE THE CLIENT'S SOLE AND EXCLUSIVE REMEDY AND ECOENGINEERS' ENTIRE LIABILITY FOR ANY BREACH OF THE LIMITED WARRANTIES SET FORTH IN SECTION 9(a).

10. Limitation of Liability.

IN NO EVENT SHALL ECOENGINEERS BE LIABLE TO THE OTHER PARTY OR ANY THIRD PARTY FOR ANY LOSS OF USE, REVENUE OR PROFIT OR LOSS OF DATA OR DIMINUTION IN VALUE, OR FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES WHETHER ARISING OUT OF BREACH

OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR ANY LEGAL CLAIM, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER OR NOT ECOENGINEERS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL ECOENGINEERS' AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THIS AGREEMENT, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, EXCEED THE LIMITS OF ITS LIABILITY INSURANCE SET FORTH IN SECTION 11.

11. Insurance. See Exhibit C (attached).

Commented [KH1]: City Note - Please note this afternoon I sent a message to the City's insurance advisor to verify that the City's liability limits are equal or exceed the limits set forth in Exhibit A.

Commented [KH2R1]: Eco Note - Changed to "C" / A & B taken.

12. Compliance with Law. Client shall comply with all applicable laws, regulations and ordinances. In providing the Services, EcoEngineers shall comply with all applicable laws, regulations, and ordinances. Client shall maintain in effect all the licenses, permissions, authorizations, consents, and permits that it needs to carry out its obligations under this Agreement. In providing the Services, EcoEngineers shall maintain in effect all licenses, permissions, authorizations, consents, and permits that it needs to carry out its obligations under this Agreement.

13. Termination. For any reason other than nonpayment of invoices, which is governed by **Section 8(b)** of this MSA, either party may terminate this Agreement upon sixty (60) days' prior written notice to the other party. In addition, EcoEngineers may terminate Client's Quality Assurance Program status, effective immediately upon written notice to Client. Written notice pursuant to this **Section 13** shall be provided consistent with **Section 23** of this MSA. All subscription-based services, including, without limitation, QAP, RIN Management and LCFS verification, will automatically renew at the end of each calendar year unless a 60-days' prior written notice of non-renewal is provided by either party to the other party (each a "**Subscription-Based Service**" and collectively, "**Subscription-Based Services**"). Any Subscription Based Service may be terminated at any time upon a party's delivery of 60 days' prior written notice to the other party. In the event of any termination, Client shall pay EcoEngineers the fees attributable to all Services and Deliverables performed and all reasonable expenses incurred through the date of termination, together with any reasonable expense of EcoEngineers incurred following termination in connection with transitioning Deliverables and other matters to Client or Client's agent.

14. Waiver. No waiver by EcoEngineers of any of its rights, remedies, powers, privileges or other provisions of this Agreement is effective unless explicitly set forth in writing and signed by EcoEngineers. Except to the extent there is an expiration of an express time limitation in which to exercise a right, remedy, power or privilege arising from this Agreement, no failure to exercise, or delay in exercising, any right, remedy, power or privilege arising from this Agreement operates, or may be construed, as a waiver thereof. No single or partial exercise of any right, remedy, power or privilege hereunder precludes any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

15. Intellectual Property.

(a) All intellectual property rights, including, without limitation, copyrights, patents, design patents, patent disclosures and inventions (whether patentable or not), trademarks, service marks, trade secrets, know-how and other confidential information, trade dress, trade names, logos, corporate names and domain names, together with all of the goodwill associated therewith, derivative works and all other rights (collectively, "**Intellectual Property Rights**") in and to all documents, work product and other materials that are delivered to Client under this Agreement or prepared by or on behalf of EcoEngineers in the course of performing the Services, except for any confidential information of Client or Client-provided materials, shall be owned by EcoEngineers. EcoEngineers hereby grants Client a license to use all Intellectual Property Rights free of additional charge and on a non-exclusive, worldwide, non-transferable, non-sublicensable, fully paid-up, royalty-free and perpetual basis to the extent necessary to enable Client to make reasonable use of the Deliverables and the Services for the purposes contemplated by the applicable SOW or this Agreement. Such license shall expire when Client no longer uses or retains any Deliverables or benefits from the Services provided by EcoEngineers under this Agreement.

(b) Notwithstanding anything herein to the contrary, access to any such third-party intellectual property, including any web-based software systems, which may be specifically included in the Services to be provided by EcoEngineers pursuant to the SOW, may be conditioned upon the Client entering into an additional licensing agreement with EcoEngineers (the "**Sublicense**"). The Sublicense shall be provided separately to Client by EcoEngineers.

16. Confidential Information. All non-public, confidential or proprietary information of a party hereto (a "**Disclosing Party**"), including but not limited to, specifications, samples, patterns, designs, plans, drawings, documents, data, business operations, customer lists, pricing, discounts or rebates, disclosed by the Disclosing Party to the other party hereto (the "**Receiving Party**"), whether disclosed orally or disclosed or accessed in written, electronic or other form or media, and whether or not marked, designated or otherwise identified as "confidential" in connection with this Agreement is confidential, solely for the use of performing this Agreement and may not be disclosed or copied unless authorized in advance by the Disclosing Party in writing (the "**Confidential Information**"). Upon the Disclosing Party's request, the Receiving Party shall promptly return or destroy all Confidential Information received from the Disclosing Party other than one (1) archival copy of such documents containing Confidential information as the Receiving Party determines is reasonably necessary for the operation of its business and in such case the archival copy shall continue to be subject to the terms of this Section 16 for as long as such information is retained. The Receiving Party must take reasonable precautions to protect the Confidential Information of the Disclosing Party, at least to the same extent it would take to protect its own confidential information and, in any event, in accordance with industry standards. The Disclosing Party shall be entitled to injunctive relief for any violation or threatened violation of this **Section 16**. This **Section 16** does not apply to information that is: (a) in the public domain; (b) known to the Receiving Party at the time of disclosure; (c) rightfully obtained by the Receiving Party on a non-confidential basis from a third party; or (d) independently developed by the Receiving Party without use of or reference to the Disclosing Party's Confidential Information. Furthermore, Receiving Party may disclose Confidential Information to a court or other tribunal to the extent necessary in connection with enforcing its rights or its defense provided that it seeks a protective order with respect to such disclosure.

17. ISO Certification. To the extent Services involve validation/verification (audit) work in connection with International Organization for Standardization (ISO) certification/review, the following provisions shall apply:

(a) Impartiality. EcoEngineers shall be responsible for the impartiality of its verifiers and its validation/verification activities and shall not allow commercial, financial or other pressures to compromise impartiality, and shall periodically monitor activities and relationships to identify threats to its impartiality.

(b) Use of Name and Logo. EcoEngineers' name or logo or the results of a verification/validation shall be used only in relation to the Client objective in an applicable SOW or the claim which has been validated/verified and shall not be misleading with regards to product certification.

(c) Information from Providers. Information about the Client obtained from sources other than the Client (e.g., a complainant or regulatory authority) shall generally be confidential between the Client and the validation/verification body. Client, however, acknowledges and agrees that the provider (source) of this information shall be confidential to the validation/verification body and shall not be shared with the Client, unless agreed by the provider (source). Where disclosure is required by a relevant reporting program, EcoEngineers shall give advance notification to the client prior to any release of information it intends to place in the public domain.

(d) Client Obligation. Client shall meet all the validation/verification requirements by making all arrangements necessary to conduct the validation/verification, including delivery and provision of all available documents and information needed for conducting the validation/verification and providing access to all relevant processes, areas, records, and personnel. The client shall ensure that any opinions or reports of factual findings issued by EcoEngineers and made public by the client are communicated in their entirety. Additionally, Client shall, when applicable, make provisions to accommodate observers, and comply with the rules of the validation/verification body with reference to the use of validation/verification statement or use of marks.

(e) Reservation for Pre-Engagement Review. EcoEngineers reserves the right to decline to perform validation/verification procedures. Following EcoEngineers' pre-engagement review of the submitted information by the Client, EcoEngineers may, at its election, either accept or decline to perform validation/verification.

(f) Contingency for Validation and Verification Work. Regulatory validation/verification work is dependent on Conflict of Interest (COI) review and, if applicable, acceptance by the Executive Officer of the California Air Resources Board (CARB) or Verification Program Administrator of Oregon's Department of Environmental Quality (DEQ), or any other regulatory agency applicable to Client. Notwithstanding anything in this Agreement to the contrary, the timing of such review and acceptance will dictate the timing of performance of the Services.

Commented [KH3]: City Note - Not familiar with this clause. If its applicable to the City of Owatonna should a Minnesota agency be inserted rather than one from California and Oregon?

Commented [MM4R3]: This has been qualified to identify that it applies to the extent of any applicable regulatory agency.

18. Force Majeure. EcoEngineers shall not be liable or responsible to Client, nor be deemed to have defaulted or breached this Agreement, for any failure or delay in fulfilling or performing any term of this Agreement when and to the extent such failure or delay is caused by or results from acts or circumstances beyond the reasonable control of EcoEngineers, including, without limitation, acts of God, flood, fire, earthquake, explosion, governmental actions, war, invasion or hostilities (whether war is declared or not), terrorist threats or acts, riot, or other civil unrest, national emergency, revolution, insurrection, epidemic, pandemic, lockouts, strikes or other labor disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials, materials or telecommunication breakdown or power outage.

19. Assignment. Neither party shall assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of the other party, such consent not to be unreasonably withheld, conditioned or delayed. Any purported assignment or delegation in violation of this **Section 19** is null and void. Notwithstanding the foregoing, EcoEngineers may subcontract any portion of the Services under this Agreement without the prior written consent of Client. Furthermore, EcoEngineers may assign its rights hereunder to a successor in interest, including any person who acquires all or substantially all of its assets or otherwise acquires its business as a going concern, upon written notice to the Client. No assignment or delegation (including any subcontracting of Services) relieves Client or EcoEngineers of any of its obligations under this Agreement.

20. Relationship of the Parties. The relationship between the parties is that of independent contractors. Nothing contained in this Agreement shall be construed as creating any agency, partnership, joint venture or other form of joint enterprise, employment or fiduciary relationship between the parties, and neither party shall have authority to contract for or bind the other party in any manner whatsoever.

21. No Third-Party Beneficiaries. This Agreement is for the sole benefit of the parties hereto and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this MSA.

22. Governing Law; Venue. All matters arising out of or relating to this Agreement are governed by and construed in accordance with the internal laws of the State of Minnesota without giving effect to any choice or conflict of law provision or rule (whether of the State of Minnesota or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than those of the State of Minnesota. Any legal suit, action or proceeding arising out of or relating to this Agreement shall be instituted in the federal courts of the United States of America, or, if subject matter jurisdiction is unavailable in such federal court, the courts of the State of Minnesota in each case located in the City of St. Paul, Minnesota and County of Ramsey, Minnesota, and each party irrevocably submits to the exclusive and personal jurisdiction of such courts in any such suit, action or proceeding and irrevocably waives and releases any claim of forum non conveniens or similar claim or defense.

23. Notices. All notices, requests, consents, claims, demands, waivers and other communications hereunder (each, a "**Notice**") shall be in writing and addressed to the parties at the addresses set forth in the SOW or to such other address that may be designated by the party in writing pursuant to the notice requirements of this Section 23. All Notices shall be delivered by personal delivery, nationally recognized overnight courier (with all fees pre-paid), e-mail (with confirmation of transmission), or certified or registered mail (in each case, return receipt requested, postage prepaid). Except as otherwise provided in this Agreement, a Notice is effective only if the party giving the Notice has complied with the requirements of this **Section 23**.

24. Severability. If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction.

25. Survival. Any provision of this Agreement which by its nature should apply beyond the term hereof will remain in force after any termination or expiration of this Agreement including, but not limited to, the following provisions: Insurance, Compliance with Law, Intellectual Property, Confidential Information, Governing Law; Venue, and Survival.

26. Non-Exclusivity. Client acknowledges and agrees that EcoEngineers offers the Deliverables and Services to other persons. Nothing in this Agreement shall be construed as a commitment of EcoEngineers to offer Deliverables or Services exclusively to Client. EcoEngineers reserves the right to provide the Deliverables and Services to other persons from time to time and any time with no exclusivity obligation in favor of Client.

27. Amendment and Modification. This Agreement may only be amended or modified in a writing stating specifically that it amends this Agreement and is signed by an authorized representative of each party.

28. Attorney's Fees. In the event that any action, suit, or other legal or administrative proceeding is instituted or commenced by either party hereto against the other party arising out of or related to the Agreement, the prevailing party shall be entitled to those costs as may be ordered by the Court from the non-prevailing party pursuant to statute, rule, or case law. Otherwise the American Rule applies and each party shall be responsible to pay its attorneys' fees, costs, and expenses..

29. Counterparts. This MSA (together with any corresponding SOW or Change Order) may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. A signature transmitted by facsimile or other electronic means shall be binding and enforceable for all purposes.

30. Authority. Client represents and warrants that the person or persons signing this Agreement on behalf of Client has authority to bind Client and all actions have been taken to authorize such person or persons executing this Agreement to do so.

IN WITNESS WHEREOF, the parties hereto have executed this MSA as of the date below.

City of Owatonna, a Government Entity organized in MN	**TPR Enterprises, LLC, d/b/a EcoEngineers**
Authorized Signature:	Signature:
_____	_____
Full Name:	Full Name:
_____	_____
Title: _____	Title: _____
Date: _____	Effective Date: _____

SAMPLE

Exhibit A

Form of SOW

EcoEngineers' Scope of Work Proposal #[PROPOSAL#] ☒ Original ☐ Revised

[CLIENT CONTACT NAME]
[CLIENT CONTACT TITLE]
[CLIENT COMPANY NAME]
[CLIENT COMPANY ADDRESS]

RE: TPR Enterprises, LLC, d/b/a EcoEngineers ("EcoEngineers") // [DESCRIPTION OF PROJECT]

Dear [CLIENT CONTACT],

[INTRODUCTORY PARAGRAPH INCLUDING THANKS FOR OPPORTUNITY, DESCRIPTIONS OF DISCUSSIONS AND PROJECT TYPE]

1.0 EXECUTIVE SUMMARY

[EXECUTIVE SUMMARY INCLUDING CLIENT SPECIFIC DETAILS ABOUT PROJECT, COMPANY, WHY SERVICES ARE NEEDED, ETC.]

Description of the [REGION, FACILITY, ETC.] to be studied:

[DESCRIPTION OF REGION, FACILITY, ETC. TO BE STUDIED; USE FACILITY TABLE FROM RFS REGISTRATION PROPOSAL IF RELEVANT]

2.0 PROJECT TEAM

Available resources that will be allocated to this project are as follows:

- [TEAM MEMBER]
- [TEAM MEMBER]
- [TEAM MEMBER]
- [TEAM MEMBER]

3.0 SERVICES PROVIDED

Following are the services to be provided under this SOW proposal. A description of each service and its corresponding deliverable is provided below. [PROVIDE PROJECT TASKS AND DETAILS BELOW]

SAMPLE

Task #1: [DESCRIPTION OF TASK 1]

[TASK 1 DETAILS]

Task #2: [AND SO ON AND SO FORTH]

4.0 PROJECT TIMELINE

The project shall commence with a SOW contract and shall be substantially complete within [XX] days. The following timeline is proposed. The actual timeline and substantial completion date may vary depending on acts or circumstances beyond the reasonable control of EcoEngineers, including, without limitation, those described in the MSA.

Time Frame	Task #	Description of Activities to be Completed	Days from NTP
[TIME FRAME]	[#]	[DESCRIPTION OF ACTIVITIES]	[TOTAL DAYS FROM NTP]
[TIME FRAME]	[#]	[DESCRIPTION OF ACTIVITIES]	[TOTAL DAYS FROM NTP]
[TIME FRAME]	[#]	[DESCRIPTION OF ACTIVITIES]	[TOTAL DAYS FROM NTP]

5.0 PROJECT DELIVERABLES

Final deliverables will be the following:

Task #	Final Deliverable Description
[#]	[DESCRIPTION OF DELIVERABLE; BULLETED WITHIN CELL IF MULTIPLE DELIVERABLES FOR ONE TASK]
[#]	[DESCRIPTION OF DELIVERABLE; BULLETED WITHIN CELL IF MULTIPLE DELIVERABLES FOR ONE TASK]
[#]	[DESCRIPTION OF DELIVERABLE; BULLETED WITHIN CELL IF MULTIPLE DELIVERABLES FOR ONE TASK]

SAMPLE

6.0 PROJECT FEE SCHEDULE

The following activities and their associated costs are outlined below for the project:

Acct. Code	Task #	Description	Qty.	Unit	Unit Price	Amount
[###]	[#]	[DESCRIPTION] OF WORK]	[#]	[UNIT]	$[UNIT PRICE]	$[AMOUNT]
[###]	[#]	[DESCRIPTION] OF WORK]	[#]	[UNIT]	$[UNIT PRICE]	$[AMOUNT]
[###]	[#]	[DESCRIPTION] OF WORK]	[#]	[UNIT]	$[UNIT PRICE]	$[AMOUNT]
[###]	[#]	[DESCRIPTION OF EXPENSES — TRAVEL, COPY CHARGES FOR PRESENTATIONS, OTHER, ADD 10% MARK-UP IF PROVIDED UNDER MSA]	[#]	[UNIT]	$[UNIT PRICE]	$[AMOUNT]
		TOTAL				**$[TOTAL]**

If this proposal is acceptable to Client, please sign the enclosed SOW Agreement Terms and Conditions as well as the accompanying MSA (if not already signed by Client) and return same to EcoEngineers. If acceptable, EcoEngineers will countersign and return a copy to you. If you have any questions, please contact me at 515-985-1260 or at [your email address]. EcoEngineers appreciates the opportunity to assist you in this matter.

Sincerely,

[insert your signature here]

[your name]
[your title]

Encl: SOW Agreement Terms and Conditions
cc: File

SAMPLE

SOW AGREEMENT TERMS AND CONDITIONS

This **SOW Agreement Terms and Conditions** (this "**SOW**") adopts and incorporates by reference the terms and conditions of Master Services Agreement EcoEngineers Terms and Conditions (#{MSANumber}) (the "**MSA**") which was entered into between TPR Enterprises, LLC, d/b/a EcoEngineers, an Iowa limited liability company ("**EcoEngineers**"), and undersigned Client or its affiliate ("**Client**"), as it may be amended from time to time, and the below Scope of Work Proposal. A capitalized term not defined herein shall have the meaning ascribed such term in the MSA.

Unforeseen regulatory changes proposed/implemented by CARB, IRS, SEC, TCFD, USEPA, or other public or private governing or standard setting bodies applicable to the services provided under this SOW may impact the Services provided in this SOW. If such changes occur, EcoEngineers will notify Client and provide an amended SOW.

This SOW is effective beginning on the date fully signed below ("**Effective Date**") and will remain in effect until terminated in accordance with the MSA. All services performed under this SOW will be subject to the terms and conditions of this SOW, and the MSA.

SOW PAYMENT TERMS AND CLIENT'S ADDRESSEE INFORMATION:

Scope of Work Proposal: #[PROPOSAL#]
Proposal Amount: $[TOTAL]
Down Payment: $[DOWN]
Subscription-Based Service: Yes ☐ No ☐
Terms of Payment:
☐ Progress Billing (billed incrementally as Services are completed)
☐ Subscription-Based Services — Annual Fee of $[XX] (due at the beginning of the calendar year or at the start of Services for a partial calendar year) plus Monthly Billing in the amount of $[XX]
☐ Down Payment due on the Effective Date; remaining balance is due upon substantial completion and prior to final report submission, as applicable
☐ All site visits and other expenses will be progress billed upon completion of the site visit.
☐ Time and expense billed at rates applicable at the time Services are provided (billed incrementally as Services are performed)
Taxes and Expenses: Not included (to be paid by Client)
Pricing: Proposal and pricing valid for 30 Days
Client Addressee Info: [CLIENT NAME]
[CLIENT ADDRESS]
[CLIENT EMAIL]

SAMPLE

[Signature page follows]

SAMPLE

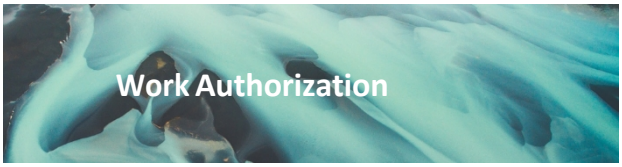
In Witness Whereof, the parties hereto have executed this SOW as of the date below.

[CLIENT COMPANY]:	**TPR Enterprises, LLC, d/b/a EcoEngineers:**
Authorized Signature	Authorized Signature
Full Name	Full Name
Title	Title
Date	Effective Date

SAMPLE

Exhibit B

Form of SOW



PROPOSAL #:	
MSA#:	
PROJECT#:	
CLIENT:	
2. PROJECT TEAM:	
3. SCOPE OF WORK:	
4. PROJECT TIMELINE:	
5. DELIVERABLES:	
6. PROJECT FEE SCHEDULE:	
JOB CODE:	

TERMS AND CONDITIONS:

AGREEMENT:	This Work Authorization incorporates by reference the terms and conditions of the above-referenced Master Services Agreement EcoEngineers Terms and Conditions (MSA) (any capitalized term herein has the meaning given it in the MSA)
PROPOSAL AMOUNT:	$
DOWN PAYMENT:	$
Subscription-Based Service:	Yes ☐ No ☐
Auto Renewing Service:	Yes ☐ No ☐
TERMS OF PAYMENT:	☐ Progress Billing (billed incrementally as Services are completed)

☐ Subscription-Based Services— Annual Fee of $[XX] (due at the beginning of the calendar year or at the start of Services for a partial calendar year) plus Monthly Billing in the amount of $[XX].

☐ Down Payment due date fully signed; remaining balance is due upon substantial completion and prior to final report submission, as applicable.

☐ All site visits and other expenses will be progress billed upon completion of the site visit.

☐ Time and expense billed at rates applicable at the time Services are provided (billed incrementally as Services are performed).

TAXES: Not included (to be paid by Client)

PRICING: Proposal and pricing valid for 30 days

IN WITNESS WHEREOF, the parties hereto have executed this Work Authorization as of the date below.

Client:	**TPR Enterprises, LLC, d/b/a EcoEngineers:**
AUTHORIZED SIGNATURE	AUTHORIZED SIGNATURE
FULL NAME	FULL NAME
JOB TITLE / DATE	JOB TITLE / DATE

DRAFT

Exhibit C

Insurance Requirements

EcoEngineers, at its expense, shall procure and maintain in force for the duration of this Agreement the following minimum insurance coverages:

A. General Liability. EcoEngineers shall maintain Commercial General Liability Insurance in a minimum amount of $1,000,000 per occurrence; $2,000,000 annual aggregate. The policy shall cover liability arising from premises, operations, products-completed operations, personal injury, advertising injury, and contractually assumed liability. Client shall be endorsed as additional insured.

B. Automobile Liability. EcoEngineers shall maintain Business Automobile Liability Insurance, including owned, hired, and non-owned automobiles, with a minimum combined single liability limit of $1,000,000 per occurrence.

C. Professional (Errors and Omissions) Liability. EcoEngineers shall maintain Professional Liability Insurance for all claims EcoEngineers may become legally obligated to pay resulting from any actual or alleged negligent act, error, or omission related to EcoEngineer's professional services required under this Agreement. EcoEngineers is required to carry the following minimum limits: $1,000,000 per occurrence; $2,000,000 annual aggregate. The retroactive or prior acts date of such coverage shall not be after the effective date of this Agreement and EcoEngineers shall maintain such insurance for a period of at least two (2) years, following completion of the services. If such insurance is discontinued, extended reporting period/tail coverage must be obtained by EcoEngineers to fulfill this requirement.

D. Workers' Compensation. EcoEngineers shall maintain Workers' Compensation insurance for all its employees in accordance with the statutory requirements of the State of Minnesota. EcoEngineers shall also carry Employers' Liability Coverage with minimum limits as follows:

   $500,000 - Bodily Injury by Disease per employee

   $500,000 - Bodily Injury by Disease aggregate

   $500,000 - Bodily Injury by Accident

E. Additional Insurance Conditions.

   1. EcoEngineers, shall, prior to commencing any services, deliver to Client a Certificate of Insurance as evidence that the above coverages are in full force and effect.

   2. The insurance requirements may be met through any combination of primary and umbrella/excess insurance. Client must be named as an additional insured on any umbrella/excess policy.

DRAFT

3. EcoEngineer's policies shall be primary insurance and non-contributory to any other valid and collectible insurance available to Client with respect to any claim arising out of the EcoEngineer's performance under this Agreement.

4. EcoEngineer's policies and Certificate of Insurance shall contain a provision that coverage afforded under the policies shall not be cancelled without at least thirty (30) days' advanced written notice to Client, or ten (10) days' written notice for non-payment of premium.

DRAFT

DATE: February 4, 2025
TO: Mayor and City Council
FROM: Therron Dieckmann, Sr. Parks Director
SUBJECT: Festal Farms Land Donation - The Trust for Public Land

Purpose:
Seek council approval to enter into a Donation Agreement with The Trust for Public Land to acquire the Festal Farms property.

Background:
This property, referred to as Festal Farms (site), is located north of 26th Street and across from Cashman Park. It is approximately 46.67 total acres and consists of three drainage ponds separated by berms. The area around the berms is densely wooded with steep slopes down into the basins with pockets of trees in the basins which are primarily covered in grass. Both Phase I and II Environmental Site Assessments have been performed, reports attached. The site owner is working with The Trust for Public Land (TPL) to find a new owner.

This site will add almost 50 acres of natural land to our park system. Current plans are to leave the site in its natural state with the possible addition of trails in the future to connect to our existing trail system. It could potentially offer a future trail connection north for the MN DNR "Prairie Wildflower" trail project. The site would also support airport intentions to extend the runway by adding city-owned "clear zone" acreage as well as useful parkland. Potential acquisition of this site was discussed in a 2024 Study Session. TPL is now asking the city to move forward with the attached Donation Agreement.

Budget Impact:
No budget impact. The Trust for Public Land will fund acquisition of this property.

Staff Recommendation:
Staff recommends approval.

Attachments:
1. Donation Agreement - The Trust for Public Land
2. Festal Farms Phase 1 ESA
3. Festal Farms Phase 2 ESA

DONATION AGREEMENT

THIS AGREEMENT is made this __ day of _____, 2025, between The Trust for Public Land, a nonprofit California public benefit corporation authorized to do business in Minnesota as The Trust for Public Land, Inc., whose address is 2610 University Avenue, Suite 300, St. Paul, Minnesota, 55114, as "Donor" and the City of Owatonna, a municipal corporation under the laws of the State of Minnesota, having an address of 540 West Hills Circle, Owatonna, MN 55060, as "Donee".

1. AGREEMENT TO DONATE AND LEGAL DESCRIPTION. Donor may obtain fee simple interest in that certain parcel of real property located in Steele County, Minnesota, and which is more particularly described on Exhibit A attached hereto and incorporated herein by reference (the "Property"). If Donor acquires ownership of this Property, Donor agrees to donate to Donee and Donee agrees to accept the Property from Donor under the following terms and conditions.

2. APPRAISAL. Upon execution of this Agreement, the parties may, but do not have to, obtain an appraisal of the Property to determine the market value of the Property.

3. INSPECTION PERIOD. That period of time from the effective date of this Agreement through April 1, 2025, shall constitute Donee's inspection period (the "Inspection Period"). During the Inspection Period, Donee, through its employees, agents, and contractors, may enter upon the Property for the purpose of making any inspections and investigations, as Donee deems appropriate in order to assess the condition of the Property to the same extent as the Donor has rights to access the Property during the Inspection Term. During the Inspection Period, Donee, may in its sole discretion terminate this Agreement by delivering written notice to Donor prior to the end of the Inspection Period.

The Donee's obligations under this Agreement to purchase the Property are contingent on the satisfaction of the following requirements prior to the end of the Inspection Period:

A) approval of this Agreement by Donee's City Council; and
B) satisfaction of all due diligence items, as further described in section 4 below, related to Donee's investigation of title, survey, and the environmental condition of the property.

The failure of any of these requirements prior to the end of the Inspection Period, or Donee's election to terminate this Agreement as set forth above will render this Agreement null and void.

4. DUE DILIGENCE.

A. SURVEY. Donor, at its own cost, will provide the Donee with a registered boundary survey. If there are any encroachments, gaps, overlaps, or other issues, which cannot be cured to the Donee's satisfaction, either party may terminate this Agreement. The legal description set forth in Exhibit "A" shall be changed if necessary, to conform to any survey that is prepared under this section.

B. ENVIRONMENTAL SITE ASSESSMENT. Donor has obtained an environmental site assessment at its sole cost and expense. A Recognized Environmental Condition has been noted in the report. Donor shall use its best efforts to obtain a letter of assurance and no liability from the Minnesota Pollution Control Agency. If one is not obtained prior to the end of the Inspection Period, Donee may either accept this condition or may terminate this Agreement by providing written notice to Donor.

C. TITLE EVIDENCE. Donee may obtain a marketable title insurance commitment at its sole cost and expense. At Closing, Donee may obtain a title policy insuring marketable title of the Property at its sole cost and expense. In the event of a defect title Donee may, at Donee's sole discretion prior to the end of the Term, elect to terminate this Agreement at any time prior to closing.

5. INTEREST CONVEYED. At closing, Donor shall execute and deliver to Donee a limited warranty deed ("Deed"), free and clear of all liens, reservations, restrictions, easements, leases, tenancies and other encumbrances, except for those that are acceptable encumbrances in the sole discretion of Donee and do not impair the marketability of the title to the Property. The terms of the Deed shall be mutually agreed upon by the parties prior to closing.

6. TAXES AND ASSESSMENTS. At closing, Donor shall satisfy all real estate taxes and assessments that are or may become a lien against the Property.

7. CLOSING PLACE AND DATE. The closing shall be on or around June 30, 2025, unless extended by other provisions of this Agreement.

8. PREPARATION OF CLOSING DOCUMENTS. Closing Attorney shall prepare the Deed, Donee's and Donor's closing statements and the title, possession and lien affidavit certified to Donee and title insurer. Donor shall, not less than 3 days prior to closing, submit to Donee all executed closing documents, and any corrective instruments that may be required to perfect the title to the Property.

9. EXPENSES. The Donor will pay the documentary revenue stamp tax, if any, and all other taxes or costs associated with the conveyance, including the cost of recording the Deed and any other recordable instruments necessary to assure good and marketable title to the Property.

10. RISK OF LOSS AND CONDITION OF PROPERTY. Donor assumes all risk of loss or damage to the Property prior to the date of closing and warrants that the Property shall be transferred and conveyed to Donee in the same or essentially the same condition as of the date of Donor's execution of this Agreement, ordinary wear and tear excepted. Donor warrants that there are no facts known to Donor materially affecting the value of the Property that are not readily observable by Donee or that have not been disclosed to Donee.

11. DEFAULT. If Donor defaults under this Agreement, Donee may waive the default and proceed to closing, or terminate this Agreement.

12. TIME. Time is of essence with regard to all dates or times set forth in this Agreement.

13. SEVERABILITY. If any of the provisions of this Agreement are deemed to be unenforceable, the unenforceability of said provisions does not adversely affect the purpose and intent of this Agreement, in Donee's sole discretion, the enforceability of the remaining provisions of this Agreement shall not be affected.

14. SUCCESSORS IN INTEREST: NON-ASSIGNABILITY. This Agreement shall bind and inure to the benefit of Donor and Donee and their respective heirs, legal representatives and successors. Whenever used, the singular shall include the plural and one gender shall include all genders. This Agreement is not assignable.

15. ENTIRE AGREEMENT. This Agreement contains the entire agreement between the parties pertaining to the subject matter contained in it and supersedes all prior and contemporaneous agreements, representations and understandings of the parties. No supplement, modification or amendment to this Agreement shall be binding unless executed in writing by the parties.

16. SURVIVAL. The covenants, warranties, representations, indemnities and undertakings of Donor set forth in this Agreement shall survive the closing, and delivery and recording of the Deed described in paragraph 5 of this Agreement.

IN WITNESS OF the foregoing provisions, the parties have signed this Agreement.

DONOR: **THE TRUST FOR PUBLIC LAND**	**DONEE:** **CITY OF OWATTONA, MINNESOTA**
_____	_____
By:	By: Kris M. Busse
Its:	Its: City Administrator
Date: _____	Date: _____

Exhibit A

The Land is described as follows:

Parcel 1:
All that part of the Southeast Quarter and the Southwest Quarter of Section 33, Township 108 North, Range 20 West, described as follows;

Commencing at the intersection of the north line of the South Half of the Southwest Quarter of the Southeast Quarter of Section 33, Township 108 North, Range 20 West, and the westerly right of way of the Chicago , Milwaukee, St. Paul and Pacific Railroad, thence northeasterly along the westerly right of way line of said railroad 1117 feet, thence on a line deflecting left 98 degrees 9 minutes a distance of 333 feet to the westerly bank of the Straight River, thence westerly and southerly along the northerly and westerly bank of said Straight River to the North line of the South Half of the Southeast Quarter of the Southwest Quarter of Section 33, Township 108 North, Range 20 West, thence east to the point of beginning.

Parcel 2:
The South one-half (S1/2) of the Southwest one-fourth of the Southeast one-fourth (SW1/4 of SE1/4) of Section 33, Township 108 North, Range 20 West, lying West of the C.M. and St. Paul Railway.

Parcel 3:
All that part of the Southeast Quarter of Section 33, Township 108 North, Range 20 West, described as follows:

Commencing at the intersection of the North line of the South Half of Southwest Quarter of Southeast Quarter of said section and the Westerly right of way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad, thence Northeasterly along the Westerly line of said railroad 1117 feet to the true point of beginning; running thence on a line deflecting left 98 degrees 9 minutes a distance of 260 feet more or less to the center of the Straight River, thence running northeasterly along the center of the Straight River to a point due West of a point 925 feet Northeasterly of the point of beginning measured along the Westerly boundary line of the said railroad, running thence Easterly a distance of 100 feet more or less to the Westerly boundary line of the said Railroad, running thence Southwesterly 925 feet along the Westerly boundary line of the said railroad to the point of beginning.

Parcel 4:
The South one-half (S1/2) of the Southeast one-fourth of the Southwest one-fourth (SE1/4 of the SW1/4) of Section 33, Township 108 North, Range 20 West, lying East of the Chicago, Rock Island and Pacific Railway Company right of way. except B.C.R. and N. Railroad

The identified data gaps did not affect the EP's ability to render opinions regarding conditions indicative of a release or threatened release and are unlikely to alter the report findings.

8.0 Findings and Opinions

According to the User, the Phase I ESA was conducted in association with the purchase of the Site. Opinions expressed herein are influenced by the stated reason for conducting the Phase I ESA. Furthermore, the expressed opinions might not be applicable to alternate reasons for reliance on the content of the Phase I ESA. The findings include identified features, activities, uses, and conditions that may indicate the presence or likely presence of hazardous substances or petroleum products at the Site; and include a discussion of significant data gaps, if any. The following findings are based on the results of our assessment:

- The Site was utilized as agricultural land since 1938 or earlier. Past use of the Site for agricultural purposes is not considered a REC in connection with the Site.

- Since 1971 or earlier until the 1990s the Site was used for drainage or discharge of water from the adjacent gravel pit and included three bermed drainage ponds. Considering a portion of the adjacent gravel pit was historically used as the Owatonna City Dump, impoundment of potentially contaminated water on the Site from the adjacent gravel pit and City Dump is considered a REC in connection with the Site.

- The former Owatonna City Dump was historically located on the east and southeast adjoining properties. Portions of the former City Dump are listed on numerous regulatory databases including Unpermitted Landfills, Site Assessment, Superfund and MPCA Brownfields/Voluntary Investigation and Cleanup. Available information indicates that landfill wastes associated with the Owatonna City Dump were encountered in the road right of way to the south of the Site. Regulatory databased indicate that investigation of the former City Dump identified approximately 60,000 cubic yards of landfill waste and fill including petroleum, VOC, metals and asbestos contamination. Elevated concentrations of arsenic and 1,4-dichlorobenzene were identified in soil and elevated concentrations of arsenic and vinyl chloride were identified in groundwater. Based on the proximity of the former City Dump and identified soil and groundwater contamination, the former Owatonna City Dump is considered a REC in connection with the Site.

DRAFT

9.0 Conclusions

Braun Intertec has performed a Phase I ESA of the Site in general conformance with the scope and limitations of ASTM E1527-21, of the Festal Farms Property – Steele County. Any exceptions to, or deletions from, this practice are described in Section 1.4.

Recognized Environmental Conditions

This assessment has revealed the following RECs in connection with the Site:

- Since 1971 or earlier until the 1990s, the Site was used for drainage or discharge of water from the adjacent gravel pit and included three bermed drainage ponds. Considering that a portion of the adjacent gravel pit was historically used as the Owatonna City Dump, discharge of potentially contaminated water on the Site from the adjacent gravel pit and former City Dump is considered a REC in connection with the Site.

- The former Owatonna City Dump was historically located on the east and southeast adjoining properties. Portions of the former City Dump are listed on numerous regulatory databases including Unpermitted Landfills, Site Assessment, Superfund and MPCA Brownfields/Voluntary Investigation and Cleanup. Available information indicates that landfill wastes associated with the Owatonna City Dump were encountered in the road right of way to the south of the Site. Regulatory databased indicate that soil and groundwater samples were associated with these listings identified elevated concentrations of arsenic and 1,4-dichlorobenzene in soil and elevated concentrations of arsenic and vinyl chloride in groundwater. Based on the proximity of the former City Dump and identified soil and groundwater contamination, the former Owatonna City Dump is considered a REC in connection with the Site.

Controlled Recognized Environmental Conditions (CRECs)

This assessment identified no CRECs in connection with the Site.

Significant Data Gaps

This assessment did not identify significant data gaps that affected our ability to identify the presence of RECs in connection with the Site.

DRAFT

10.0 Additional Considerations

An additional consideration is a condition that does not meet the definition of a REC, CREC, or HREC but, in our opinion, should be brought to the attention of the User. The following additional considerations were identified during the Phase I ESA:

- Past uses of the adjacent property as a City Dump may have resulted in impacts to soil and/or groundwater with Per- and Polyfluoroalkyl substances (PFAS) containing products. While PFAS compounds are not currently listed as hazardous substances under CERCLA, these compounds are increasingly becoming a concern. Furthermore, the USEPA has indicated that they intend to list two specific PFAS compounds as hazardous substances in the future. Based on the past use of the adjacent property as a City Dump, there is a potential that PFAS compounds may have impacted the Site. Additional assessment would be required to further evaluate this potential.

11.0 Environmental Professional Statement

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the AAI in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications of the environmental professional and personnel who completed the ESA are presented in Appendix L.

Sincerely,

BRAUN INTERTEC CORPORATION

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

Ted R. Hubbes, PG, CHMM
Senior Scientist, Group Manager

DRAFT

Limited Phase II Environmental Site Assessment Report

Festal Farms Property – Steele County
Parcel IDs: 120332307, 120332313, 120332403, 120333201
Owatonna, Minnesota

Prepared For

The Trust for Public Land

Minnesota Department of Natural Resources

City of Owatonna

Project B2404524.00
October 31, 2024

Braun Intertec Corporation

BRAUN INTERTEC
The Science You Build On.

Braun Intertec Corporation
3900 Roosevelt Road, Suite 113
Saint Cloud, MN 56301

Phone: 320.253.9940
Web: brauintertec.com

October 31, 2024 Project B2404524.00

Mr. Nick Bancks
The Trust for Public Land
2610 University Ave W Ste 300
Saint Paul, Minnesota, 55114

Re: Limited Phase II Environmental Site Assessment
Festal Farms Property – Steele County
Parcel IDs: 120333201, 120332403, 120332307, 120332313
Owatonna, Minnesota

Dear Mr. Bancks:

On behalf of The Trust for Public Land, Braun Intertec Corporation conducted a Limited Phase II Environmental Site Assessment (ESA) of the above-referenced site (Site) in accordance with the authorized scope of services described in our proposal dated September 12, 2024. The Limited Phase II ESA was prepared in association the acquisition of the Site. For a complete discussion of our assessment, please refer to the attached Limited Phase II ESA report.

The objective of the Limited Phase II ESA was to evaluate whether the soil and/or groundwater beneath the Site has been impacted due to the recognized environmental conditions identified in a Phase I ESA conducted at the Site by Braun Intertec (Project B2404524) dated June 26, 2024.

This Limited Phase II ESA was prepared on behalf of and for use by The Trust for Public Land, Minnesota Department of Natural Resources, and the City of Owatonna. No other party has a right to rely on the contents of this Limited Phase II ESA without the written authorization of Braun Intertec.

We appreciate the opportunity to provide professional services to you for this project. If you have any questions regarding the attached report, please contact Ted Hubbes at 218.263.8869 or thubbes@braunintertec.com.

Sincerely,

BRAUN INTERTEC CORPORATION

Aaron P. Volker
Project Scientist

Ted R. Hubbes, PG, CHMM
Senior Manager, Senior Scientist

Attachment: Limited Phase II ESA Report

AA/EOE

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A. Introduction

A.1. Authorization

Braun Intertec Corporation received authorization from Mr. Nick Bancks with the Trust for Public Land to conduct a Limited Phase II Environmental Site Assessment of the Festal Farms Property located in Steele County (PIDs: 120333201, 120332403, 120332307, and 120332313) in Owatonna, Minnesota (Site), in accordance with the scope of services described in the Braun Intertec proposal dated September 12, 2024. The Phase II ESA was prepared in association with the acquisition of the Site.

This Limited Phase II ESA was prepared on behalf of and for use by The Trust for Public Land, Minnesota Department of Natural Resources, and the City of Owatonna in accordance with the contract between The Trust for Public Land and Braun Intertec. No other party has a right to rely on the contents of this Limited Phase II ESA without the written authorization of Braun Intertec.

The Phase II ESA was limited in scope in that it did not include collection of soil analytical samples to evaluate potential soil impacts because the source of contamination is offsite and there were no obvious indications of soil impacts noted during the soil boring activities; nor did it evaluate potential vapor impacts as no structures are planned to be constructed on the Site and the shallow depth to groundwater (one foot or less in the un-bermed locations) on the Site may prevent collection of soil vapor samples.

A.2. Project Objective

The objective of the Limited Phase II ESA was to evaluate whether the soil and/or groundwater beneath the Site has been impacted due to the recognized environmental conditions identified in a Phase I ESA conducted at the Site by Braun Intertec (Project B2404524) dated June 26, 2024.

B. Site Background

B.1. Site Location and Description

The Site is located north of County Road 34 and east of 21st Avenue Northwest. The Site is located within the southeast quarter of the southwest quarter of Section 33, Township 108 North, Range 20 West, in the city of Owatonna, Steele County, Minnesota. A Site Location Map is included as Figure 1.

The Site consists of four parcels totaling 46.67 acres and consists of a series of three drainage ponds separated by berms. The area around the berms is densely wooded with steep slopes down into the basins. There are pockets of trees interspersed in the basins, but the basins themselves are primarily grass covered. A Site Diagram is included as Figure 2.

Our research indicates that the Site was historically used for agricultural purposes since 1938 until the 1970s and then used for drainage ponds connected to the adjacent gravel pit operations for a period of approximately 20 years. The Site has consisted of undeveloped wooded land since that time.

According to the recently conducted Phase I ESA, since 1938 or earlier, the surrounding area appears predominantly agricultural. A gravel pit and City Dump were present to the east and southeast of the Site beginning in approximately 1953. The City Dump was closed in 1974. Additional expansion of the gravel pit has occurred through the years. Between 1971 and 1984, a housing development was constructed to the southeast of the Site. The area surrounding the Site includes commercial, industrial and residential properties as well as a City Park.

B.2. Previous Site Investigations

Braun Intertec completed a Phase I ESA at the Site in June 2024, the results of which are presented in the report entitled: *Phase I Environmental Site Assessment, Festal Farms Property – Steel County, Parcel IDs: 120332307, 120332313, 120332403, 120333201, Owatonna, Minnesota*, prepared by Braun Intertec, dated June 26, 2024 (Project B2404524) (2024 Phase I ESA).

The Phase I ESA identified the following recognized environmental conditions in connection with the Site:

- Since 1971 or earlier until the 1990s, the Site was used for drainage or discharge of water from the adjacent gravel pit and included three bermed drainage ponds. Considering that a portion of the adjacent gravel pit was historically used as the Owatonna City Dump, discharge of potentially contaminated water on the Site from the adjacent gravel pit and former City Dump is considered a REC in connection with the Site.

- The former Owatonna City Dump was historically located on the east and southeast adjoining properties. Portions of the former City Dump are listed on numerous regulatory databases including Unpermitted Landfills, Site Assessment, Superfund and MPCA Brownfields/Voluntary Investigation and Cleanup. Available information indicates that landfill wastes associated with the Owatonna City Dump were encountered in the road right of way to the south of the Site. Regulatory databases indicate that soil and groundwater samples

associated with these listings identified elevated concentrations of arsenic and 1,4-dichlorobenzene in soil and elevated concentrations of arsenic and vinyl chloride in groundwater. Based on the proximity of the former City Dump and identified soil and groundwater contamination, the former Owatonna City Dump is considered a REC in connection with the Site.

B.3. Published Geologic Information

B.3.a. Topography

Surface elevations at the Site range from approximately 1120 feet to 1130 feet above mean sea level, according to the United States Geologic Survey (USGS) 7.5-minute quadrangle for Owatonna. The Site is generally flat with berms that are raised.

B.3.b. Geology

The unconsolidated sediment on Site is primarily Spillville unit. These soils are classified as loam, moderately well drained soils, which are occasionally flooded. A smaller portion of the Site is classified as Estherville sandy loam. This soil is classified as somewhat excessively drained. They are composed of sandy loam atop gravelly loamy coarse sand. A smaller portion of the Site is classified as a limestone quarry (USDA Web Soil Survey, 2024).

The uppermost bedrock unit in the Site vicinity is the Upper Ordovician, limestone and dolostone. The unit is composed of limestone, shaley limestone, and dolostone; including the Maquoketa formation, and the Stewartville, Prosser, and Cummingsville Formations of the Galena Group. Also includes limestone and dolostone of the Red River Formation, and sandstone and shale of the Winnipeg Formation in northwest Minnesota (Jirsa et al., 2011). The depth to bedrock in the Site vicinity is approximately 10 to 25 feet below land surface (MN Natural Resource Atlas, 2024).

B.3.c. Hydrogeology

The depth to groundwater in the vicinity of the Site is expected to lie within 0-10 feet below land surface (MN Natural Resource Atlas, 2024).

Based upon the presumption that local groundwater flow mirrors surface topography, the groundwater flow direction within the unconsolidated deposits in the Site vicinity is expected to be generally to the west/ northwest. However, the local direction of groundwater flow may vary seasonally, and may be affected by nearby streams, lakes, water supply wells, and/or wetlands. Site-specific groundwater flow direction was not determined during this Limited Phase II ESA, and additional field investigations would be required to obtain this information.

C. Scope of Services

The following tasks were conducted at the Site as part of this Environmental Investigation:

- Subcontracted a licensed drilling contractor to clear public utilities through Gopher State One Call and private utilities for the investigation locations.
- Subcontracted a licensed drilling contractor to complete soil borings and install temporary groundwater monitoring wells.
- Advanced four environmental soil borings (PP-1 through PP-4) and collected soil samples for field screening.
- Installed four temporary monitoring wells in four of the soil borings (PP-1 through PP-4) and collected groundwater samples.
- Conducted environmental monitoring during drilling and screened soil samples collected from the borings for the presence of organic vapors using a photoionization detector (PID). Visual and olfactory observations regarding potential contamination were also made and recorded.
- Analyzed representative samples of groundwater for the following parameters: volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), diesel range organics (DRO), gasoline range organics (GRO), Resource Conservation and Recovery Act (RCRA) metals, and Per-and Polyfluorinated Alkyl Substances (PFAS).
- Evaluated the data and prepared this report.

D. Investigation Methods and Procedures

The field work relating to the investigation was conducted on September 25, 2024. Prior to beginning the field investigation, public utilities were cleared through Gopher State One Call and private utilities were cleared through a subcontracted private utility locator.

Field methods and results are discussed in the following sections. Soil boring logs are provided in Appendix A, the laboratory analytical report is provided in Appendix B, and Braun Intertec Standard Operating Procedures (SOPs) are provided in Appendix C.
Four push-probe soil borings (designated PP-1 through PP-4) were advanced at the Site. The soil borings were advanced as follows:

- Soil boring PP-1 was advanced to a depth of 5 feet bgs in the grassy area on the southeastern portion of the Site.
- Soil borings PP-2 and PP-3 were advanced to depths of 15 feet on the berm located on the east-central portion of the Site.
- Soil boring PP-4 was advanced to a depth of 14 feet (equipment refusal was encountered) on the berm located on the north-eastern portion of the Site.

The locations of the soil borings (and associated temporary monitoring wells) were determined using GPS technology. The soil borings are shown on Figure 2.

D.1. Soil Evaluation

D.1.a. Soil Borings

Braun Intertec subcontracted Range Environmental Drilling from Hibbing, Minnesota, to advance four soil borings, designated as PP-1 through PP-4 at the Site to depths ranging from 5 to 15 feet bgs.

The soil borings were completed with a hydraulically-driven push-probe sampling rig. To collect the soil samples from the borings, a disposable thin-walled PVC liner was placed inside of a 5-foot long sampling tool. The borehole was then advanced using the sampling tool to a total penetration depth of up to 5 feet. After advancing the tooling, the sampler was removed from the borehole and the soil sample was retrieved from the PVC liner for field screening and classification. The process was then repeated to the termination depths of the borings.

Between sampling locations, non-dedicated sampling equipment was cleaned with a soap and water scrub followed by a clean water rinse.

This investigation includes soil borings advanced to depths of 15 feet. Following temporary well use, the well materials were removed, and the boreholes were sealed in accordance with MDH regulations.

D.1.b. Soil Classification and Monitoring

Soils samples from the soil borings were visually and manually classified in the field by an environmental technician using ASTM D 2487 "Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)" and ASTM D 2488 "Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)".

Soil samples retrieved were examined by an environmental technician for unusual staining, odors, and other apparent signs of contamination. In addition, the soil samples were screened for the presence of organic vapors using a PID. The PID was equipped with a 10.6-electron-volt lamp and calibrated to an isobutylene standard. The PID was used to perform a headspace method of field analyses in accordance with Braun Intertec SOPs.

D.1.c. Soil Analyses

Due to the lack of any obvious indications of soil contamination, no analytical soil sampling was completed during this assessment.

D.2. Groundwater Evaluation

D.2.a. Temporary Monitoring Well Installation and Sampling

Temporary monitoring wells (designated as PP-1 through PP-4) were installed in the soil borings to evaluate groundwater conditions at the Site. The wells were permitted with the MDH. The temporary monitoring well locations are shown on Figure 2.

After the soil borings were advanced approximately 5 feet into the water table, temporary monitoring wells were constructed using 1-inch-diameter PVC riser and 5-foot long, 10-slot screens. Prior to sampling, static groundwater levels were measured in each temporary monitoring well to the nearest 0.1 foot and recorded. The temporary monitoring wells were then sampled using a length of new High-density polyethylene (HDPE) PFAS free tubing connected to a peristaltic pump. Water samples retrieved were examined by the field technician for unusual odors, petroleum-like sheen, and other apparent signs of contamination. The groundwater samples were placed directly into laboratory supplied containers, preserved appropriately, and submitted to the laboratory for chemical analysis.

D.2.b. Groundwater Analyses

The groundwater samples collected from the temporary wells were submitted to Pace Analytical Services, LLC in Minneapolis, Minnesota and analyzed for the following parameters:

- VOCs using EPA Method 8260
- PAHS using EPA Method 8270
- Dissolved eight RCRA Metals using EPA Methods 6010 and 7471
- DRO using the WDNR Method
- GRO using the WDNR Method
- PFAS using EPA Method 1633

E. Investigation Results

E.1. Geologic Conditions

Soil boring logs with descriptions of the various soil strata encountered during the soil boring operations and water level information are contained in Appendix A. The depths shown as changes between the soil types are approximate. The actual changes may be transitional, and the transition depths are likely to be horizontally variable.

Fill soils were encountered on the bermed areas, where soil borings PP-2, PP-3, and PP-4 were advanced. The fill soils consisted primarily of silty sand with varying amounts of gravel. The apparent native soils underlying the fill soils and/or topsoil encountered in soil borings PP-1 through PP-3 consisted primarily of poorly graded sand with silt with increasing amounts of silt the further north the borings were completed on the Site. The apparent native soils encountered in PP-4 consists of sandy clean clay and silty sand until refusal of the sampling equipment was encountered.

Groundwater was encountered in borings PP-1 through PP-4 at depths ranging from approximately 1.0 to 11.5 feet bgs.

E.2. Hydrogeology

Based upon the presumption that local groundwater flow mirrors surface topography, the groundwater flow direction within the unconsolidated deposits in the Site vicinity is expected to be generally to the west/northwest, towards the Straight River. Site-specific groundwater flow direction was not determined during this Limited Phase II ESA, and additional field investigations would be required to obtain this information.

E.3. Field Screening

Soil recovered from the soil borings was screened by the field technician for evidence of contamination, including odors, staining, and the presence of debris. No odors, staining, or debris were observed in the soils recovered from any of the three borings.

Organic vapor/PID readings were recorded for soil samples collected from each boring. Observed organic vapor concentrations ranged from 0.3 to 0.8 parts per million (ppm), which are considered to be general background readings. Soil screening PID results are included on the boring logs in Appendix A, as well as on Table 1.

E.4. Soil Analytical Results

Due to the lack of any obvious indications of soil contamination, no analytical soil sampling was completed.

E.5. Groundwater Analytical Results

This section provides a discussion of the groundwater analytical results. A summary of the groundwater analytical results is provided in Tables 2 and 3. For comparison purposes, Tables 2 and 3 includes current Drinking Water Criteria (DWC) from the Minnesota Department of Health (MDH) Human Health-Based Water guidance applicable to groundwater. Drinking Water Criteria include a combination of MDH Health Risk Limits (HRLs), MDH Health Based Values (HBVs), MDH Risk Assessment Advice (RAA), and Maximum Contaminant Levels (MCLs) established by the Environmental Protection Agency (EPA). There are no established criteria for DRO and GRO for water that is not collected directly from wells used as drinking water sources. Table 3 also includes the Health Risk Index (HRI), which is used to evaluate the additive health effects of multiple chemicals in drinking water. Concentrations of contaminants in water and

Drinking Water Criteria are expressed in units of micrograms per liter (µg/L) in Table 2 and in units of nanograms per liter (ng/L) in Table 3.

The complete laboratory report with chain-of-custody form is included in Appendix B.

The following provides a summary of the groundwater analytical results.

- No VOCs were detected at concentrations greater than or equal to the laboratory detection limits, with the exception of acetone, ethylbenzene, and toluene.
    - Acetone was detected in PP-4 and the trip blank, at an estimated concentration of 2.2 and 2.6 µg/L, respectively. These estimated concentrations do not exceed its DWC of 3,000 µg/L .
    - Ethylbenzene was detected in PP-1 through PP-4, at estimated concentrations ranging between 0.13 to 0.36 µg/L , which does not exceed its DWC of 40 µg/L.
    - Toluene was detected in PP-1 through PP-4, at estimated concentrations ranging between 0.22 to 0.50 µg/L , which does not exceed its DWC of 70 µg/L.
- Varying concentrations of PAHs were detected in each of the groundwater samples at concentrations equal to or greater than the method detection limits, though none of the concentrations exceed a DWC.
- Varying concentrations of the RCRA metals were detected in each of the groundwater samples at concentrations equal to or greater than the method detection limits. The following metals were detected at a concentration that exceeds a DWC:
    - Arsenic (dissolved) was detected in PP-4 at an estimated concentration of 12.2, which exceeds its DWC of 10 µg/L.
    - Cadmium (dissolved) was detected in PP-4 at an estimated concentration of 0.58, which exceeds its DWC of 0.5 µg/L.
- DRO was detected in each of the groundwater samples, at concentrations ranging between 64.0 and 190 µg/L . There is no established DWC for DRO collected from a temporary monitoring well. In addition, these concentrations are less than 1,000 µg/L , which is the concentration in which the MPCA typically requires further investigation.

- It should be noted that the laboratory report indicates that the DRO analysis needed to be reanalyzed and that the DRO detections may be a result of laboratory cross-contamination.

- No GRO was detected at concentrations greater than or equal to the laboratory detection limits of 34.1 µg/L.

- No PFAS were detected at concentrations greater than or equal to the laboratory detection limits, with the exception of the detected concentration of Perfluorooctanesulfonic acid (PFOS).

  - PFOS was detected in PP-2 and PP-3 at concentrations of 76.2 and 37.8 ng/L, respectively. These detected concentrations exceed the DWC of 2.3 ng/L. In addition, the HRI for these two samples were 33.13 and 16.43, which indicate an exceedance is occurring.

  - It should be noted that the laboratory was unable to report results any of the analytical results down to the DWCs for Perfluorohexanesulfonic acid (PFHxS) and Perfluorooctanoic acid (PFOA), which are 47 and 0.0079 ng/l, respectively. The laboratory was also unable to report PFOS results for PP-1 and PP-4 down to its DWC of 2.6 ng/L.

E.6. Quality Assurance/Quality Control

Samples were placed in clean, laboratory supplied containers, preserved, labeled, and transported to the Pace laboratory under refrigerated conditions using chain-of-custody procedures. Analyses were performed using EPA or other recognized standard procedures.

A quality assessment of field procedures and analytical laboratory reports was performed to evaluate potential effects on data quality used to support project objectives. All applicable Braun Intertec SOPs were followed as prescribed unless otherwise noted in this report.

A trip blank accompanied the investigative samples and was analyzed for VOCs and PFAS and an equipment blank, collected from the drilling sampler was also collected and analyzed for PFAS. No PFAS were detected in the trip blank or equipment blank at concentrations greater than the laboratory method reporting limits. Acetone was detected in the trip blank and PP-4. The detected concentration

of acetone in PP-4 may be a result of laboratory cross-contamination. Dichloromethane was also detected in the trip blank, but it was not detected in any of the analytical samples.
Due to sediment in some of the groundwater samples, the laboratory had to raise their method reporting limits. Some detected compounds are "J"-flagged, which indicates that the estimated concentration is greater than the method detection limit, but below the method reporting limit.

Some of the GRO analysis were flagged due to lack of preservation, though GRO was not detected in any of the analytical samples at concentrations equal to or greater than laboratory method detection limit of 34.1 µg/L. Due to the lack of any significant petroleum related volatile organic compounds detected in any of the groundwater samples, it appears unlikely that GRO is present at the Site at concentrations that would require further investigation.

Some of the DRO analysis results were flagged due to the analysis needing to be reanalyzed, which was completed outside of the method specified holding time does not confirm in hold results. The laboratory report indicates that the DRO detection may be due to laboratory contamination.

In summary, data quality control items identified during the quality review are considered to be minor and all data collected are acceptable for use in this investigation for the intended purpose of identifying groundwater impacts within the project area.

F. Conclusions

- Apparent fill soil was encountered in the bermed areas, with depths ranging from the ground surface to approximately 5 feet bgs. No obvious indications of contamination and/or buried debris were observed in any of the soil borings completed on the Site.

- Groundwater was encountered in the soil borings completed at the Site at depths ranging from approximately 1 to 11.5 feet bgs, with some areas of standing water present on the Site. PFAS, arsenic, and cadmium were detected in some of the water samples at concentrations that exceed regulatory criteria. No other contaminants were detected in the groundwater samples collected at the Site at concentrations that exceed regulatory criteria. These compounds are likely migrating onto the Site from an off-Site source or originate from water infiltrated onto the Site through the drainage ponds.

- Based on the findings of this assessment, the RECs identified during the 2024 Phase I ESA of the Site do not appear to represent a risk for the intended future use of the Site as recreational land.

G. Recommendations

Based on the results of this assessment, the following recommendations are provided:

- PFAS compounds, arsenic, and cadmium have been identified in groundwater at the Site at concentrations exceeding regulatory criteria. According to Minnesota Statute 115.061, the property owners and/or responsible parties associated with this release(s) may have a duty to notify the MPCA via the Minnesota Department of Public Safety, Division of Emergency Management (DEM) Duty Officer.

- If the future owner(s) of the Site wishes to pursue liability assurance letters from the MPCA for the identified groundwater impacts, Braun Intertec recommends that the Site be enrolled in the MPCA Voluntary Investigation and Cleanup (VIC) program. Additional investigation of the release may be required by the MPCA in order to obtain applicable liability assurances.

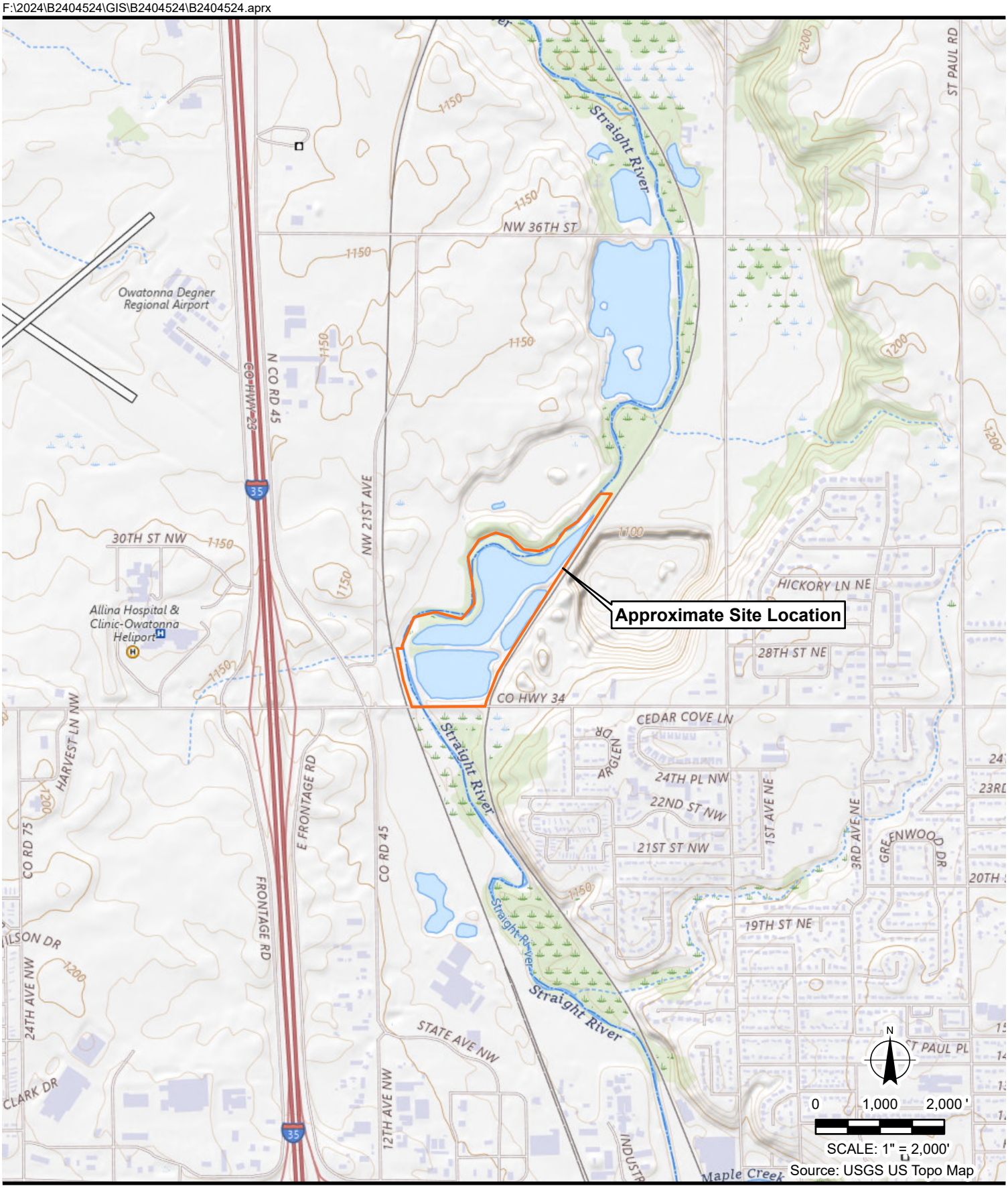
H. Assessment Limitations

The analyses and conclusions submitted in this report are based on field observations and the results of laboratory analyses of groundwater collected from the soil borings completed for this project.

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

Figures

F:\2024\B2404524\GIS\B2404524\B2404524.aprx



BRAUN INTERTEC
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4511 W 1st Street, Suite 4
Duluth, MN 55807
218.624.4967
braunintertec.com

Project No: B2404524

Drawing No: Fig1_SiteLocation

Drawn By:	MMH
Date Drawn:	6/18/2024
Checked By:	LA
Last Modified:	6/18/2024

Festal Farms Property

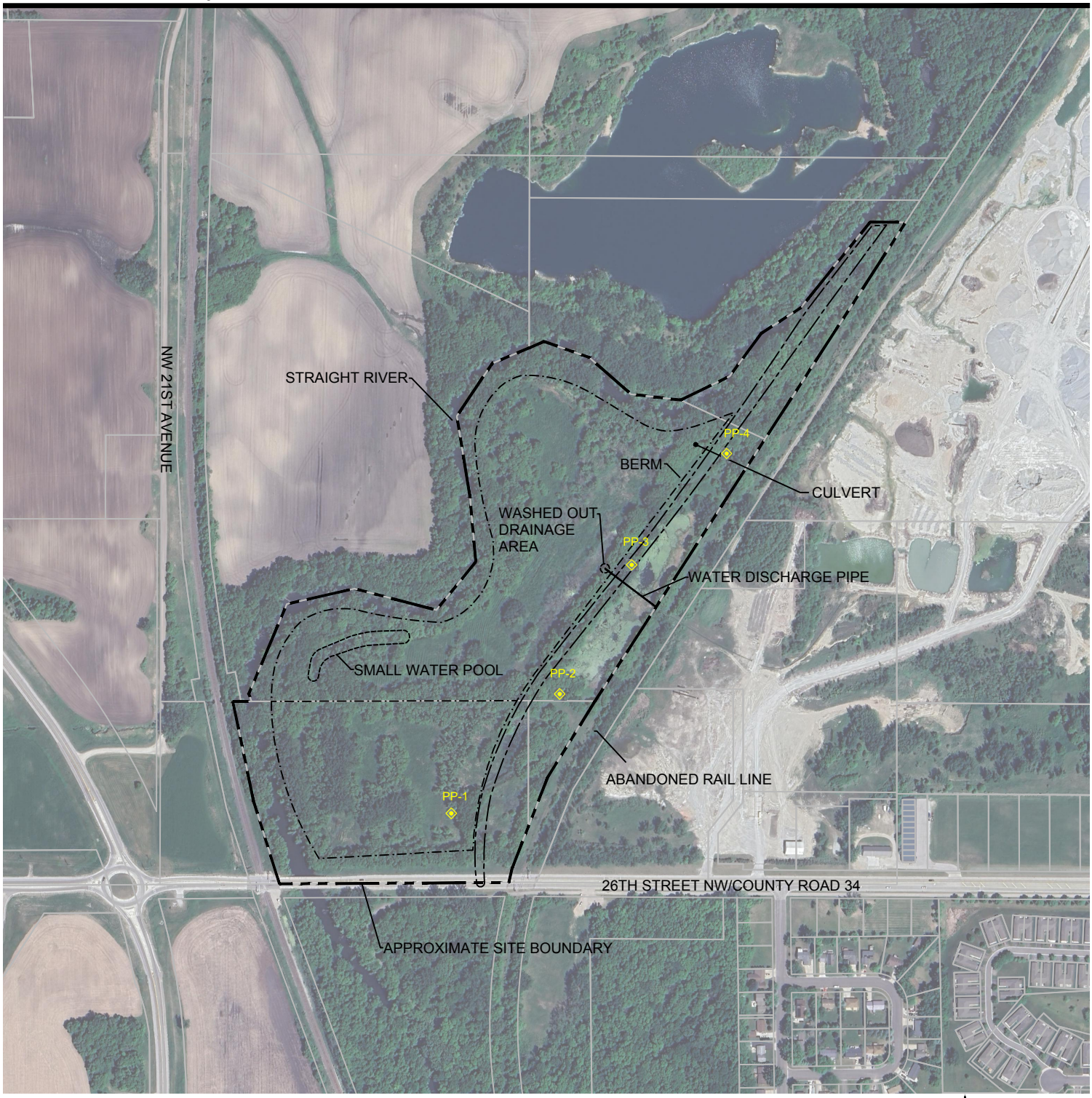
Steele County

Owatonna, Minnesota

Site Location Map

Figure 1

F:\2024\B2404524\CAD\B2404524.dwg,P1,6/18/2024 4:45:04 PM



N

250' 0 500'

SCALE: 1"=500'

BRAUN INTERTEC
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4511 W 1st Street, Suite 4
Duluth, MN 55807
218.624.4967
braunintertec.com

Project No: B2404524

Drawing No: B2404524

Drawn By:	MMH
Date Drawn:	6/18/24
Checked By:	LA
Last Modified:	6/18/24

Festal Farms Property

Steele County

Owatonna, Minnesota

Sampling Diagram

Figure 2

Tables

Table 1
Summary of Soil Screening Results
Festal Farms
Owatonna, Minnesota
Project: B2404524.00

Depth (feet)	PP-1	PP-2	PP-3	PP-4
0-1	0.4	0.8	0.3	0.4
1-2				
2-3	0.5	0.6	0.8	0.5
3-4				
4-5				
5-6	EOB 5'	0.7	0.5	0.6
6-7				
7-8		0.8	0.4	0.4
8-9				
9-10				
10-11		0.7	0.5	0.3
11-12				
12-13		0.7	0.6	0.5
13-14				
14-15				Refusal 14'
		EOB 15'	EOB 15'	

Notes:
Concentrations in parts per million (ppm)
EOB = End of boring

BRAUN INTERTEC

Table 2
Groundwater Analytical Results
Festal Farms
Owatonna, Minnesota
Project B2404524.00

Compound/Parameter	CAS No.	Sample Identifier, Depth to Groundwater, and Date Collected					Drinking Water Criteria (µg/L)	Source-Date
		PP-1	**PP-2**	**PP-3**	**PP-4**	**Trip Blank**		
		1.3	11.1	7.6	7.6			
		09/25/2024	09/25/2024	09/25/2024	09/25/2024	09/25/2024		
Volatile Organic Compounds (VOCs) (µg/L)								
Acetone	67-64-1	<1.9	<1.9	<5.0	**2.2** J	**2.6** J	3,000	HRL-23
Dichloromethane (Methylene chloride)	75-09-2	<1.0	<1.0	<1.0	<1.0	**1.5**	5	MCL
Ethylbenzene	100-41-4	**0.13** J	**0.29** J	**0.36** J	**0.30** J	<0.11	40	HRL-23
Toluene	108-88-3	**0.22** J	**0.28** J	**0.50**	**0.41** J	<0.21	70	HRL-23
All other reported VOCs	---	<DL	<DL	<DL	<DL	<DL	---	---
Polycyclic Aromatic Hydrocarbons (PAHs) (µg/L)								
Benz(a)anthracene	56-55-3	<0.026	<0.012	<0.013	**0.016** J	---	cPAH	---
Benzo(a)pyrene (BaP)	50-32-8	<0.028	<0.014	**0.017** J	**0.022** J	---	0.1; cPAH	HRL-23
Naphthalene	91-20-3	**0.074** J	**0.05**	**0.051**	**0.041**	---	70	HRL-13
Pyrene	129-00-0	<0.032	<0.038	<0.040	**0.017** J	---	50	HRL-18
All other reported PAHs	---	<DL	<DL	<DL	<DL	---	---	---
BaP Equivalent Concentration[c]	---	0	0	**0.02**	**0.03**	---	0.1	HRL-23
Resource Conservation and Recovery Act (RCRA) Metals (µg/L)								
Arsenic, Dissolved	7440-38-2	**5.1** J	<4.2	**7.6** J	**12.2** J	---	10	MCL
Barium, Dissolved	7440-39-3	**129**	**39.8**	**46.2**	**126**	---	2,000	HRL-93
Cadmium, Dissolved	7440-43-9	<0.48	<0.48	<0.48	**0.58** J	---	0.5	HRL-15
Chromium, Dissolved[d]	7440-47-3	**3.1** J	<0.81	<0.81	<0.81	---	20,000/100[d]	HRL-94
Lead, Dissolved	7439-92-1	<2.9	<2.9	<2.9	<2.9	---	15	MCL
Mercury, Dissolved	7439-97-6	<0.095	<0.095	<0.095	<0.095	---	2	MCL
Selenium, Dissolved	7782-49-2	<5.5	<5.5	<5.5	<5.5	---	30	HRL-93
Silver, Dissolved	7440-22-4	<0.77	<0.77	<0.77	<0.77	---	30	HRL-93
Petroleum Parameters (µg/L)								
Diesel Ranger Organics with Silica Gel Clean-up	---	**180** [1]	**140** [1]	**64.0**	**190** [1]	---	NE[e]	---
Gasoline Range Organics (GRO)	---	<34.1 [3]	<34.1	<34.1[2]	<34.1 [2]	<34.1	NE[e]	---

Notes

The hierarchy of Drinking Water Criteria (DWC) presented is: Minnesota Department of Health (MDH) Health Risk Limit (HRL), United States Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL), MDH Health-Based Value (HBV), MDH Risk Assessment Advice (RAA), or MDH Rapid Assessment of Pesticides (RAP), as available. The most conservative values for chronic or cancer exposures are presented. The dates of promulgation are provided, if available.

µg/L = Micrograms per liter.

< = Not detected at or above the laboratory reporting limit indicated.

--- = Not analyzed or calculated for this parameter or not applicable.

Bold indicates the compound was detected at or above the laboratory reporting limit.

Indicated depths are feet below ground surface.

DL = Detection limits for other parameters that are not listed individually in this table because their concentrations were below detection limits provided in the laboratory report.

NE = Regulatory limit not established for this parameter.

cPAH = Individual regulatory limit not established for this carcinogenic PAH; included in BaP equivalent calculation.

[c] = The benzo(a)pyrene (BaP) equivalent concentration is calculated based on the concentration and weighted toxicity of cPAHs (Minnesota Department of Health, 2016). If no cPAHs were detected above reasonable laboratory reporting limits the BaP equivalent concentration is reported as 0 µg/L.

[d] = Reported result is total chromium, criteria for chromium III and chromium VI are provided.

[e] = No applicable standard exists. When sampling water directly from drinking water wells, refer to the Minnesota Department of Health's (MDH's) document entitled *Guidance for Evaluating Health Risks for Gasoline and Diesel Contaminated Drinking Water,* dated November 2018.

[1] = Result by reanalysis conducted outside of the method specified holding time does not confirm in hold results. Sample detection may be due to laboratory contamination.

[2] = Early peaks present outside the GRO window. Post-analysis pH measurement indicates insufficient VOA sample preservation.

[3] = Post-analysis pH measurement indicates insufficient VOA sample preservation.

J = Estimated concentation above the adjusted method detection limit and below the adjusted reporting limit

Exceeds Drinking Water Criteria

Table 3
Groundwater Analytical Results
Festal Farms
Owatonna, Minnesota
Project B2404524.00

Compound/Parameter	CAS No.	Sample Identifier, Depth to Groundwater, and Date Collected						Drinking Water Criteria (ng/L)	Source-Date
		PP-1	**PP-2**	**PP-3**	**PP-4**	**Equipment Blank**	**Trip Blank**		
		1.3	11.1	7.6	7.6				
		09/25/2024	09/25/2024	09/25/2024	09/25/2024	09/25/2024	09/25/2024		
Per- and Polyfluorinated Alkyl Substances (PFAS) (ng/L)									
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	<64.8	<12.3	<12.3	<259	<0.25	<0.25	47	HRL-23
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	<43.8	**76.2**	**37.8** [J]	<175	<0.17	<0.17	2.3	HBV-24
Perfluorooctanoic acid (PFOA)	335-67-1	<85.5	<16.3	<16.3	<342	<0.032	<0.032	0.0079	HBV-24
Health Risk Index (HRI) using HRLs & HBVs	---	0	**33.13**	**16.43**	0	0	0	1	---

Notes

The hierarchy of Drinking Water Criteria (DWC) presented is: Minnesota Department of Health (MDH) Health Risk Limit (HRL) and MDH Health-Based Value (HBV), as available. The most conservative values for chronic or cancer exposures are presented. The dates of promulgation are provided, if available.

ng/L = Nanograms per liter.

< = Not detected at or above the laboratory reporting limit indicated.

--- = Not analyzed or calculated for this parameter or not applicable.

Bold indicates the compound was detected at or above the laboratory reporting limit.

Indicated depths are feet below ground surface.

RL = Reporting limits for other parameters that are not listed individually in this table because their concentrations were below reporting limits provided in the laboratory report.

NE = Regulatory limit not established for this parameter.

J = Estimated concentation above the adjusted method detection limit and below the adjusted reporting limit

Exceeds DWC or HRI

Appendix A

Soil Boring Logs

BRAUN INTERTEC
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LOG OF BORING

Environmental Boring Log - Not For Geotechnical Design

Project Number B2404524.00 **Geotechnical Evaluation** **Festal Farms Property - Steele County** **NE of Intersection of 21st Ave NW & 26th St NW** **Owatonna, Minnesota**	BORING: **PP-1** LOCATION: See attached sketch DATUM: NORTHING: EASTING:
DRILLER: Range Environmental; LOGGED BY: A. Volker	WEATHER:
SURFACE ELEVATION: ; RIG: ; METHOD: Direct Push	During Drilling 1.0 ft
START DATE: 09/25/24; END DATE: 09/25/24; SURFACING: Grass	After Drilling 1.3 ft

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Recovery %	PID ppm	Temp. Well	Tests or Remarks
1.0		TOPSOIL, black, moist to wet					Analytical groundwater sample collected at 10:45
		POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, trace Gravel, brown, wet			0.4		
5.0		END OF BORING Boring immediately backfilled with bentonite grout			0.5		

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LOG OF BORING

Environmental Boring Log - Not For Geotechnical Design

Project Number B2404524.00 **Geotechnical Evaluation** **Festal Farms Property - Steele County** **NE of Intersection of 21st Ave NW & 26th St NW** **Owatonna, Minnesota**	BORING: **PP-2** LOCATION: See attached sketch DATUM: NORTHING: EASTING:
DRILLER: Range Environmental; LOGGED BY: A. Volker	WEATHER:
SURFACE ELEVATION: ; RIG: ; METHOD: Direct Push	During Drilling 11.5 ft
START DATE: 09/25/24; END DATE: 09/25/24; SURFACING: Grass	After Drilling

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Recovery %	PID ppm	Temp. Well	Tests or Remarks
1.0		TOPSOIL, black, moist					Analytical groundwater sample collected at 14:05
5.0		FILL: POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, trace Gravel, brown, moist			0.8		
10.0		POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, with Gravel, brown, moist to wet	5		0.6 0.7		
15.0		POORLY GRADED SAND with SILT (SP-SM), fine to coarse-grained, with Gravel, brown, wet	10		0.8 0.7		
		END OF BORING Boring immediately backfilled with bentonite grout	15		0.7		

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LOG OF BORING

Environmental Boring Log - Not For Geotechnical Design

Project Number B2404524.00 **Geotechnical Evaluation** **Festal Farms Property - Steele County** **NE of Intersection of 21st Ave NW & 26th St NW** **Owatonna, Minnesota**	BORING: **PP-3** LOCATION: See attached sketch DATUM: NORTHING: EASTING:
DRILLER: Range Environmental; LOGGED BY: A. Volker	WEATHER:
SURFACE ELEVATION: ; RIG: ; METHOD: Direct Push	During Drilling 9.0 ft
START DATE: 09/25/24; END DATE: 09/25/24; SURFACING: Grass	After Drilling

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Recovery %	PID ppm	Temp. Well	Tests or Remarks
1.0		TOPSOIL, black, moist					Analytical groundwater sample collected at 13:10
5.0		FILL: POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, trace Gravel, brown, moist			0.3		
7.5		SILTY SAND (SM), fine-grained, trace Gravel, brown, moist	5		0.8		
12.0	▽	POORLY GRADED SAND with SILT (SP-SM), fine to coarse-grained, with Gravel, brown, moist to wet	10		0.5 0.4		
15.0		SILTY SAND (SM), fine-grained, trace Gravel, brown, wet	15		0.5 0.6		
		END OF BORING Boring immediately backfilled with bentonite grout					

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LOG OF BORING

Environmental Boring Log - Not For Geotechnical Design

Project Number B2404524.00 **Geotechnical Evaluation** **Festal Farms Property - Steele County** **NE of Intersection of 21st Ave NW & 26th St NW** **Owatonna, Minnesota**	BORING: **PP-4** LOCATION: See attached sketch DATUM: NORTHING: EASTING:
DRILLER: Range Environmental; LOGGED BY: A. Volker	WEATHER:
SURFACE ELEVATION: ; RIG: ; METHOD: Direct Push	During Drilling 10.5 ft
START DATE: 09/25/24; END DATE: 09/25/24; SURFACING: Grass	After Drilling 7.6 ft

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Recovery %	PID ppm	Temp. Well	Tests or Remarks
1.0		TOPSOIL, black, moist					Analytical groundwater at sample collected at 12:10
5.0		FILL: POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, trace Gravel, brown, moist			0.4		
7.5		SANDY LEAN CLAY (CL), fine-grained, trace Gravel, dark brown, moist	5		0.5		
12.0		SANDY LEAN CLAY (CL), fine to medium-grained, trace Gravel, brown, moist to wet	10		0.6 0.4		
14.0		SILTY SAND (SM), fine-grained, trace Gravel, brown, wet *Refusal of probe at 14 feet*			0.3		
		END OF BORING Boring immediately backfilled with bentonite grout	15		0.5		

Appendix B

Laboratory Analytical Report

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

October 28, 2024

Aaron Volker
Braun Intertec Corp.
3900 Roosevelt Rd.
Suite 113
Saint Cloud, MN 56301

RE: Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Dear Aaron Volker:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

This report was revised on October 28, 2024 to report the samples to the method detection limit.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sydni Harrison
sydni.harrison@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Eric Crouser, Braun Intertec

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10709802001	**PP-1**	Water	09/25/24 10:45	09/27/24 12:08
10709802002	**PP-2**	Water	09/25/24 14:05	09/27/24 12:08
10709802003	**PP-3**	Water	09/25/24 13:10	09/27/24 12:08
10709802004	**PP-4**	Water	09/25/24 12:10	09/27/24 12:08
10709802005	**Equipment Blank**	Water	09/25/24 10:10	09/27/24 12:08
10709802006	**Trip Blank**	Water	09/25/24 08:00	09/27/24 12:08

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10709802001	**PP-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	ALE	2	PASI-M
		EPA 6010D	DM	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E by SIM	JNG	18	PASI-M
		EPA 8260D	PAB	72	PASI-M
		EPA 1633 DRAFT	NBH	64	PASI-M
10709802002	**PP-2**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	ALE	2	PASI-M
		EPA 6010D	DM	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E by SIM	JNG	18	PASI-M
		EPA 8260D	PAB	72	PASI-M
		EPA 1633 DRAFT	NBH	64	PASI-M
10709802003	**PP-3**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	ALE	2	PASI-M
		EPA 6010D	DM	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E by SIM	JNG	18	PASI-M
		EPA 8260D	PAB	72	PASI-M
		EPA 1633 DRAFT	NBH	64	PASI-M
10709802004	**PP-4**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	ALE	2	PASI-M
		EPA 6010D	DM	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E by SIM	JNG	18	PASI-M
		EPA 8260D	PAB	72	PASI-M
		EPA 1633 DRAFT	NBH	64	PASI-M
10709802005	**Equipment Blank**	EPA 1633 DRAFT	NBH	64	PASI-M
10709802006	**Trip Blank**	WI MOD GRO	ALE	2	PASI-M
		EPA 8260D	PAB	72	PASI-M
		EPA 1633 DRAFT	NBH	64	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **WI MOD DRO**
Description: WIDRO RV GCS Silica Gel
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
4 samples were analyzed for WI MOD DRO by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

QC Batch: 971393

A5: Greater than 5% sediment in sample determined by visual observation. Aqueous portion decanted from the sediment and extracted. The sample container could not be rinsed with solvent per the method requirement.

- PP-1 (Lab ID: 10709802001)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 971393

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 5076106)
  - WDRO C10-C28

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **WI MOD DRO**
Description: WIDRO RV GCS Silica Gel
Client: Braun Intertec Corporation
Date: October 28, 2024

Analyte Comments:

QC Batch: 971393

1M: Result by reanalysis conducted outside of the method specified holding time does not confirm in hold results.
- PP-4 (Lab ID: 10709802004)
  - WDRO C10-C28

3M: Result by reanalysis conducted outside of the method specified holding time does not confirm in hold results.
- PP-1 (Lab ID: 10709802001)
  - WDRO C10-C28
- PP-2 (Lab ID: 10709802002)
  - WDRO C10-C28

4M: Sample detection may be due to laboratory contamination.
- PP-1 (Lab ID: 10709802001)
  - WDRO C10-C28
- PP-2 (Lab ID: 10709802002)
  - WDRO C10-C28
- PP-4 (Lab ID: 10709802004)
  - WDRO C10-C28

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.
- BLANK (Lab ID: 5076106)
  - WDRO C10-C28

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
5 samples were analyzed for WI MOD GRO by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- PP-1 (Lab ID: 10709802001)
- PP-3 (Lab ID: 10709802003)
- PP-4 (Lab ID: 10709802004)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 971431

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 6010D**
Description: 6010D MET ICP, Dissolved
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
4 samples were analyzed for EPA 6010D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 7470A**
Description: 7470A Mercury, Dissolved
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
4 samples were analyzed for EPA 7470A by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM LV
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
4 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3511 with any exceptions noted below.

QC Batch: 971121

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

- PP-1 (Lab ID: 10709802001)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 8260D**
Description: 8260D MSV Low Level
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
5 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 972636

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Batch Comments:

Bromomethane and dichlorofluoromethane did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
- QC Batch: 972636

Analyte Comments:

QC Batch: 972636

2M: Post analysis pH measurement indicates insufficient VOA sample preservation. Therefore, analysis was conducted outside the recognized method holding time.
- PP-1 (Lab ID: 10709802001)
  - 1,2-Dichlorobenzene-d4 (S)

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 8260D**
Description: 8260D MSV Low Level
Client: Braun Intertec Corporation
Date: October 28, 2024

Analyte Comments:

QC Batch: 972636

2M: Post analysis pH measurement indicates insufficient VOA sample preservation. Therefore, analysis was conducted outside the recognized method holding time.

- PP-2 (Lab ID: 10709802002)
  - 1,2-Dichlorobenzene-d4 (S)
- PP-3 (Lab ID: 10709802003)
  - 1,2-Dichlorobenzene-d4 (S)
- PP-4 (Lab ID: 10709802004)
  - 1,2-Dichlorobenzene-d4 (S)

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PROJECT NARRATIVE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Method: **EPA 1633 DRAFT**
Description: EPA 1633 DRAFT Water
Client: Braun Intertec Corporation
Date: October 28, 2024

General Information:
6 samples were analyzed for EPA 1633 DRAFT by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 1633 DRAFT with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-1 **Lab ID: 10709802001** Collected: 09/25/24 10:45 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO RV GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**0.18**	mg/L	0.11	0.039	1	10/01/24 16:20	10/11/24 12:54		3M,4M
Surrogates									
n-Triacontane (S)	93	%.	70-130		1	10/01/24 16:20	10/11/24 12:54		A5
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<34.1**	ug/L	100	34.1	1		10/03/24 02:31		pH
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%.	80-200		1		10/03/24 02:31	98-08-8	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Arsenic, Dissolved	**5.1J**	ug/L	20.0	4.2	1	10/03/24 05:09	10/04/24 12:19	7440-38-2	
Barium, Dissolved	**129**	ug/L	10.0	0.50	1	10/03/24 05:09	10/04/24 12:19	7440-39-3	
Cadmium, Dissolved	**<0.48**	ug/L	3.0	0.48	1	10/03/24 05:09	10/04/24 12:19	7440-43-9	
Chromium, Dissolved	**3.1J**	ug/L	10.0	0.81	1	10/03/24 05:09	10/04/24 12:19	7440-47-3	
Lead, Dissolved	**<2.9**	ug/L	10.0	2.9	1	10/03/24 05:09	10/04/24 12:19	7439-92-1	
Selenium, Dissolved	**<5.5**	ug/L	20.0	5.5	1	10/03/24 05:09	10/04/24 12:19	7782-49-2	
Silver, Dissolved	**<0.77**	ug/L	10.0	0.77	1	10/03/24 05:09	10/04/24 12:19	7440-22-4	
7470A Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury, Dissolved	**<0.095**	ug/L	0.20	0.095	1	10/03/24 05:42	10/04/24 11:45	7439-97-6	
8270E MSSV PAH by SIM LV	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3511 Pace Analytical Services - Minneapolis								
Acenaphthene	**<0.000030**	mg/L	0.000080	0.000030	1	10/01/24 12:34	10/11/24 13:33	83-32-9	
Acenaphthylene	**<0.000022**	mg/L	0.000080	0.000022	1	10/01/24 12:34	10/11/24 13:33	208-96-8	
Anthracene	**<0.000030**	mg/L	0.000080	0.000030	1	10/01/24 12:34	10/11/24 13:33	120-12-7	
Benzo(a)anthracene	**<0.000026**	mg/L	0.000080	0.000026	1	10/01/24 12:34	10/11/24 13:33	56-55-3	
Benzo(a)pyrene	**<0.000029**	mg/L	0.000080	0.000029	1	10/01/24 12:34	10/11/24 13:33	50-32-8	
Benzo(b)fluoranthene	**<0.000028**	mg/L	0.000080	0.000028	1	10/01/24 12:34	10/11/24 13:33	205-99-2	
Benzo(g,h,i)perylene	**<0.000028**	mg/L	0.000080	0.000028	1	10/01/24 12:34	10/11/24 13:33	191-24-2	
Benzo(k)fluoranthene	**<0.000026**	mg/L	0.000080	0.000026	1	10/01/24 12:34	10/11/24 13:33	207-08-9	
Chrysene	**<0.000027**	mg/L	0.000080	0.000027	1	10/01/24 12:34	10/11/24 13:33	218-01-9	
Dibenz(a,h)anthracene	**<0.000031**	mg/L	0.000080	0.000031	1	10/01/24 12:34	10/11/24 13:33	53-70-3	
Fluoranthene	**<0.000032**	mg/L	0.000080	0.000032	1	10/01/24 12:34	10/11/24 13:33	206-44-0	
Fluorene	**<0.000033**	mg/L	0.000080	0.000033	1	10/01/24 12:34	10/11/24 13:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.000031**	mg/L	0.000080	0.000031	1	10/01/24 12:34	10/11/24 13:33	193-39-5	
Naphthalene	**0.000074J**	mg/L	0.000080	0.000039	1	10/01/24 12:34	10/11/24 13:33	91-20-3	
Phenanthrene	**<0.000027**	mg/L	0.000080	0.000027	1	10/01/24 12:34	10/11/24 13:33	85-01-8	
Pyrene	**<0.000032**	mg/L	0.000080	0.000032	1	10/01/24 12:34	10/11/24 13:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%.	44-140		1	10/01/24 12:34	10/11/24 13:33	321-60-8	P3
p-Terphenyl-d14 (S)	55	%.	45-133		1	10/01/24 12:34	10/11/24 13:33	1718-51-0	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-1 **Lab ID: 10709802001** Collected: 09/25/24 10:45 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<1.9**	ug/L	5.0	1.9	1		10/09/24 12:40	67-64-1	
Allyl chloride	**<0.41**	ug/L	1.0	0.41	1		10/09/24 12:40	107-05-1	
Benzene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 12:40	71-43-2	
Bromobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	108-86-1	
Bromochloromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	74-97-5	
Bromodichloromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	75-27-4	
Bromoform	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	75-25-2	
Bromomethane	**<0.49**	ug/L	1.0	0.49	1		10/09/24 12:40	74-83-9	
2-Butanone (MEK)	**<0.93**	ug/L	5.0	0.93	1		10/09/24 12:40	78-93-3	
n-Butylbenzene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:40	135-98-8	
tert-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:40	98-06-6	
Carbon tetrachloride	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	56-23-5	
Chlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	108-90-7	
Chloroethane	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:40	75-00-3	
Chloroform	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:40	67-66-3	
Chloromethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	74-87-3	
2-Chlorotoluene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:40	95-49-8	
4-Chlorotoluene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.36**	ug/L	1.0	0.36	1		10/09/24 12:40	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:40	106-93-4	
Dibromomethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:40	74-95-3	
1,2-Dichlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	541-73-1	
1,4-Dichlorobenzene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	106-46-7	
Dichlorodifluoromethane	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:40	75-71-8	
1,1-Dichloroethane	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:40	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:40	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	75-35-4	
cis-1,2-Dichloroethene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:40	156-60-5	
Dichlorofluoromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	75-43-4	
1,2-Dichloropropane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	78-87-5	
1,3-Dichloropropane	**<0.16**	ug/L	0.50	0.16	1		10/09/24 12:40	142-28-9	
2,2-Dichloropropane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	594-20-7	
1,1-Dichloropropene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:40	10061-01-5	
trans-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/09/24 12:40	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.19**	ug/L	1.0	0.19	1		10/09/24 12:40	60-29-7	
Ethylbenzene	**0.13J**	ug/L	0.50	0.11	1		10/09/24 12:40	100-41-4	
Hexachloro-1,3-butadiene	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:40	87-68-3	
Isopropylbenzene (Cumene)	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	98-82-8	
p-Isopropyltoluene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:40	99-87-6	
Methylene Chloride	**<0.44**	ug/L	1.0	0.44	1		10/09/24 12:40	75-09-2	

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-1 **Lab ID: 10709802001** Collected: 09/25/24 10:45 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/L	5.0	0.80	1		10/09/24 12:40	108-10-1	
Methyl-tert-butyl ether	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:40	91-20-3	
n-Propylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:40	103-65-1	
Styrene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.19**	ug/L	0.50	0.19	1		10/09/24 12:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	79-34-5	
Tetrachloroethene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	127-18-4	
Tetrahydrofuran	**<1.4**	ug/L	5.0	1.4	1		10/09/24 12:40	109-99-9	
Toluene	**0.22J**	ug/L	0.50	0.21	1		10/09/24 12:40	108-88-3	
1,2,3-Trichlorobenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:40	87-61-6	
1,2,4-Trichlorobenzene	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:40	120-82-1	
1,1,1-Trichloroethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	71-55-6	
1,1,2-Trichloroethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:40	79-00-5	
Trichloroethene	**<0.094**	ug/L	0.20	0.094	1		10/09/24 12:40	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:40	75-69-4	
1,2,3-Trichloropropane	**<0.38**	ug/L	1.0	0.38	1		10/09/24 12:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:40	76-13-1	
1,2,4-Trimethylbenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:40	108-67-8	
Vinyl chloride	**<0.075**	ug/L	0.20	0.075	1		10/09/24 12:40	75-01-4	
Xylene (Total)	**<0.42**	ug/L	1.5	0.42	1		10/09/24 12:40	1330-20-7	
m&p-Xylene	**<0.42**	ug/L	1.0	0.42	1		10/09/24 12:40	179601-23-1	
o-Xylene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:40	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125		1		10/09/24 12:40	2199-69-1	2M
4-Bromofluorobenzene (S)	102	%.	75-125		1		10/09/24 12:40	460-00-4	
Toluene-d8 (S)	105	%.	75-125		1		10/09/24 12:40	2037-26-5	
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<195**	ng/L	1000	195	1	10/18/24 13:28	10/20/24 01:45	763051-92-9	
3:3 FTCA	**<582**	ng/L	1250	582	1	10/18/24 13:28	10/20/24 01:45	356-02-5	
4:2 FTS	**<120**	ng/L	1000	120	1	10/18/24 13:28	10/20/24 01:45	757124-72-4	
5:3 FTCA	**<1210**	ng/L	6250	1210	1	10/18/24 13:28	10/20/24 01:45	914637-49-3	
6:2 FTS	**<244**	ng/L	1000	244	1	10/18/24 13:28	10/20/24 01:45	27619-97-2	
7:3 FTCA	**<1310**	ng/L	6250	1310	1	10/18/24 13:28	10/20/24 01:45	812-70-4	
8:2 FTS	**<262**	ng/L	1000	262	1	10/18/24 13:28	10/20/24 01:45	39108-34-4	
9Cl-PF3ONS	**<206**	ng/L	1000	206	1	10/18/24 13:28	10/20/24 01:45	756426-58-1	
ADONA	**<146**	ng/L	1000	146	1	10/18/24 13:28	10/20/24 01:45	919005-14-4	
HFPO-DA	**<195**	ng/L	1000	195	1	10/18/24 13:28	10/20/24 01:45	13252-13-6	
NEtFOSAA	**<87.0**	ng/L	250	87.0	1	10/18/24 13:28	10/20/24 01:45	2991-50-6	
NEtFOSA	**<64.2**	ng/L	250	64.2	1	10/18/24 13:28	10/20/24 01:45	4151-50-2	
NEtFOSE	**<802**	ng/L	2500	802	1	10/18/24 13:28	10/20/24 01:45	1691-99-2	
NFDHA	**<142**	ng/L	500	142	1	10/18/24 13:28	10/20/24 01:45	151772-58-6	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-1 **Lab ID: 10709802001** Collected: 09/25/24 10:45 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
NMeFOSAA	**<79.8**	ng/L	250	79.8	1	10/18/24 13:28	10/20/24 01:45	2355-31-9	
NMeFOSA	**<66.5**	ng/L	250	66.5	1	10/18/24 13:28	10/20/24 01:45	31506-32-8	
NMeFOSE	**<668**	ng/L	2500	668	1	10/18/24 13:28	10/20/24 01:45	24448-09-7	
PFBS	**<80.0**	ng/L	250	80.0	1	10/18/24 13:28	10/20/24 01:45	375-73-5	
PFDA	**<44.5**	ng/L	250	44.5	1	10/18/24 13:28	10/20/24 01:45	335-76-2	
PFHxA	**<37.8**	ng/L	250	37.8	1	10/18/24 13:28	10/20/24 01:45	307-24-4	
PFBA	**<153**	ng/L	1000	153	1	10/18/24 13:28	10/20/24 01:45	375-22-4	
PFDS	**<66.2**	ng/L	250	66.2	1	10/18/24 13:28	10/20/24 01:45	335-77-3	
PFDoS	**<69.2**	ng/L	250	69.2	1	10/18/24 13:28	10/20/24 01:45	79780-39-5	
PFEESA	**<80.0**	ng/L	500	80.0	1	10/18/24 13:28	10/20/24 01:45	113507-82-7	
PFHpS	**<59.8**	ng/L	250	59.8	1	10/18/24 13:28	10/20/24 01:45	375-92-8	
PFMBA	**<79.2**	ng/L	500	79.2	1	10/18/24 13:28	10/20/24 01:45	863090-89-5	
PFMPA	**<121**	ng/L	500	121	1	10/18/24 13:28	10/20/24 01:45	377-73-1	
PFNS	**<60.2**	ng/L	250	60.2	1	10/18/24 13:28	10/20/24 01:45	68259-12-1	
PFOSA	**<59.5**	ng/L	250	59.5	1	10/18/24 13:28	10/20/24 01:45	754-91-6	
PFPeA	**<74.8**	ng/L	500	74.8	1	10/18/24 13:28	10/20/24 01:45	2706-90-3	
PFPeS	**<45.5**	ng/L	250	45.5	1	10/18/24 13:28	10/20/24 01:45	2706-91-4	
PFDoA	**<55.5**	ng/L	250	55.5	1	10/18/24 13:28	10/20/24 01:45	307-55-1	
PFHpA	**<53.2**	ng/L	250	53.2	1	10/18/24 13:28	10/20/24 01:45	375-85-9	
PFHxS	**<64.8**	ng/L	250	64.8	1	10/18/24 13:28	10/20/24 01:45	355-46-4	
PFNA	**<58.2**	ng/L	250	58.2	1	10/18/24 13:28	10/20/24 01:45	375-95-1	
PFOS	**<43.8**	ng/L	250	43.8	1	10/18/24 13:28	10/20/24 01:45	1763-23-1	
PFOA	**<85.5**	ng/L	250	85.5	1	10/18/24 13:28	10/20/24 01:45	335-67-1	
PFTeDA	**<71.2**	ng/L	250	71.2	1	10/18/24 13:28	10/20/24 01:45	376-06-7	
PFTrDA	**<49.5**	ng/L	250	49.5	1	10/18/24 13:28	10/20/24 01:45	72629-94-8	
PFUnA	**<63.2**	ng/L	250	63.2	1	10/18/24 13:28	10/20/24 01:45	2058-94-8	
Surrogates									
13C2-PFDoA (S)	92	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		
13C3HFPO-DA (S)	98	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C3-PFBS (S)	103	%.	40-135		1	10/18/24 13:28	10/20/24 01:45		
13C3-PFHxS (S)	103	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C4-PFBA (S)	97	%.	5-130		1	10/18/24 13:28	10/20/24 01:45		
13C4-PFHpA (S)	97	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C5-PFHxA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C5-PFPeA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C6-PFDA (S)	98	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C8-PFOA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C8-PFOS (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C8-PFOSA (S)	96	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
13C9-PFNA (S)	96	%.	40-130		1	10/18/24 13:28	10/20/24 01:45		
d3-MeFOSAA (S)	94	%.	40-170		1	10/18/24 13:28	10/20/24 01:45		
d3-NMeFOSA (S)	82	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		
d5-EtFOSAA (S)	100	%.	25-135		1	10/18/24 13:28	10/20/24 01:45		
d5-NEtFOSA (S)	88	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		
d7-NMeFOSE (S)	95	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-1 **Lab ID: 10709802001** Collected: 09/25/24 10:45 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
d9-NEtFOSE (S)	101	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		
13C2-PFTA (S)	91	%.	10-130		1	10/18/24 13:28	10/20/24 01:45		
13C7-PFUdA (S)	98	%.	30-130		1	10/18/24 13:28	10/20/24 01:45		
13C24:2FTS (S)	158	%.	40-200		1	10/18/24 13:28	10/20/24 01:45		
13C26:2FTS (S)	171	%.	40-200		1	10/18/24 13:28	10/20/24 01:45		
13C28:2FTS (S)	155	%.	40-300		1	10/18/24 13:28	10/20/24 01:45		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-2 **Lab ID: 10709802002** Collected: 09/25/24 14:05 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO RV GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**0.14**	mg/L	0.11	0.037	1	10/01/24 16:20	10/11/24 13:01		3M,4M
Surrogates									
n-Triacontane (S)	103	%.	70-130		1	10/01/24 16:20	10/11/24 13:01		
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<34.1**	ug/L	100	34.1	1		10/03/24 02:51		
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%.	80-200		1		10/03/24 02:51	98-08-8	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Arsenic, Dissolved	**<4.2**	ug/L	20.0	4.2	1	10/03/24 05:09	10/04/24 12:20	7440-38-2	
Barium, Dissolved	**39.8**	ug/L	10.0	0.50	1	10/03/24 05:09	10/04/24 12:20	7440-39-3	
Cadmium, Dissolved	**<0.48**	ug/L	3.0	0.48	1	10/03/24 05:09	10/04/24 12:20	7440-43-9	
Chromium, Dissolved	**<0.81**	ug/L	10.0	0.81	1	10/03/24 05:09	10/04/24 12:20	7440-47-3	
Lead, Dissolved	**<2.9**	ug/L	10.0	2.9	1	10/03/24 05:09	10/04/24 12:20	7439-92-1	
Selenium, Dissolved	**<5.5**	ug/L	20.0	5.5	1	10/03/24 05:09	10/04/24 12:20	7782-49-2	
Silver, Dissolved	**<0.77**	ug/L	10.0	0.77	1	10/03/24 05:09	10/04/24 12:20	7440-22-4	
7470A Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury, Dissolved	**<0.095**	ug/L	0.20	0.095	1	10/03/24 05:42	10/04/24 11:46	7439-97-6	
8270E MSSV PAH by SIM LV	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3511 Pace Analytical Services - Minneapolis								
Acenaphthene	**<0.000014**	mg/L	0.000038	0.000014	1	10/01/24 12:34	10/11/24 13:58	83-32-9	
Acenaphthylene	**<0.000010**	mg/L	0.000038	0.000010	1	10/01/24 12:34	10/11/24 13:58	208-96-8	
Anthracene	**<0.000014**	mg/L	0.000038	0.000014	1	10/01/24 12:34	10/11/24 13:58	120-12-7	
Benzo(a)anthracene	**<0.000012**	mg/L	0.000038	0.000012	1	10/01/24 12:34	10/11/24 13:58	56-55-3	
Benzo(a)pyrene	**<0.000014**	mg/L	0.000038	0.000014	1	10/01/24 12:34	10/11/24 13:58	50-32-8	
Benzo(b)fluoranthene	**<0.000013**	mg/L	0.000038	0.000013	1	10/01/24 12:34	10/11/24 13:58	205-99-2	
Benzo(g,h,i)perylene	**<0.000013**	mg/L	0.000038	0.000013	1	10/01/24 12:34	10/11/24 13:58	191-24-2	
Benzo(k)fluoranthene	**<0.000012**	mg/L	0.000038	0.000012	1	10/01/24 12:34	10/11/24 13:58	207-08-9	
Chrysene	**<0.000013**	mg/L	0.000038	0.000013	1	10/01/24 12:34	10/11/24 13:58	218-01-9	
Dibenz(a,h)anthracene	**<0.000015**	mg/L	0.000038	0.000015	1	10/01/24 12:34	10/11/24 13:58	53-70-3	
Fluoranthene	**<0.000015**	mg/L	0.000038	0.000015	1	10/01/24 12:34	10/11/24 13:58	206-44-0	
Fluorene	**<0.000016**	mg/L	0.000038	0.000016	1	10/01/24 12:34	10/11/24 13:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.000015**	mg/L	0.000038	0.000015	1	10/01/24 12:34	10/11/24 13:58	193-39-5	
Naphthalene	**0.000050**	mg/L	0.000038	0.000018	1	10/01/24 12:34	10/11/24 13:58	91-20-3	
Phenanthrene	**<0.000013**	mg/L	0.000038	0.000013	1	10/01/24 12:34	10/11/24 13:58	85-01-8	
Pyrene	**<0.000015**	mg/L	0.000038	0.000015	1	10/01/24 12:34	10/11/24 13:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	107	%.	44-140		1	10/01/24 12:34	10/11/24 13:58	321-60-8	
p-Terphenyl-d14 (S)	115	%.	45-133		1	10/01/24 12:34	10/11/24 13:58	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-2 **Lab ID: 10709802002** Collected: 09/25/24 14:05 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
Acetone	**<1.9**	ug/L	5.0	1.9	1		10/09/24 12:56	67-64-1	
Allyl chloride	**<0.41**	ug/L	1.0	0.41	1		10/09/24 12:56	107-05-1	
Benzene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 12:56	71-43-2	
Bromobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	108-86-1	
Bromochloromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	74-97-5	
Bromodichloromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	75-27-4	
Bromoform	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	75-25-2	
Bromomethane	**<0.49**	ug/L	1.0	0.49	1		10/09/24 12:56	74-83-9	
2-Butanone (MEK)	**<0.93**	ug/L	5.0	0.93	1		10/09/24 12:56	78-93-3	
n-Butylbenzene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:56	135-98-8	
tert-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:56	98-06-6	
Carbon tetrachloride	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	56-23-5	
Chlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	108-90-7	
Chloroethane	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:56	75-00-3	
Chloroform	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:56	67-66-3	
Chloromethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	74-87-3	
2-Chlorotoluene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:56	95-49-8	
4-Chlorotoluene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.36**	ug/L	1.0	0.36	1		10/09/24 12:56	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:56	106-93-4	
Dibromomethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:56	74-95-3	
1,2-Dichlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	541-73-1	
1,4-Dichlorobenzene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	106-46-7	
Dichlorodifluoromethane	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:56	75-71-8	
1,1-Dichloroethane	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:56	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:56	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	75-35-4	
cis-1,2-Dichloroethene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:56	156-60-5	
Dichlorofluoromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	75-43-4	
1,2-Dichloropropane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	78-87-5	
1,3-Dichloropropane	**<0.16**	ug/L	0.50	0.16	1		10/09/24 12:56	142-28-9	
2,2-Dichloropropane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	594-20-7	
1,1-Dichloropropene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:56	10061-01-5	
trans-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/09/24 12:56	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.19**	ug/L	1.0	0.19	1		10/09/24 12:56	60-29-7	
Ethylbenzene	**0.29J**	ug/L	0.50	0.11	1		10/09/24 12:56	100-41-4	
Hexachloro-1,3-butadiene	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:56	87-68-3	
Isopropylbenzene (Cumene)	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	98-82-8	
p-Isopropyltoluene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:56	99-87-6	
Methylene Chloride	**<0.44**	ug/L	1.0	0.44	1		10/09/24 12:56	75-09-2	

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1700 Elm Street
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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-2 **Lab ID: 10709802002** Collected: 09/25/24 14:05 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/L	5.0	0.80	1		10/09/24 12:56	108-10-1	
Methyl-tert-butyl ether	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:56	91-20-3	
n-Propylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:56	103-65-1	
Styrene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.19**	ug/L	0.50	0.19	1		10/09/24 12:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	79-34-5	
Tetrachloroethene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	127-18-4	
Tetrahydrofuran	**<1.4**	ug/L	5.0	1.4	1		10/09/24 12:56	109-99-9	
Toluene	**0.28J**	ug/L	0.50	0.21	1		10/09/24 12:56	108-88-3	
1,2,3-Trichlorobenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:56	87-61-6	
1,2,4-Trichlorobenzene	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:56	120-82-1	
1,1,1-Trichloroethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	71-55-6	
1,1,2-Trichloroethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:56	79-00-5	
Trichloroethene	**<0.094**	ug/L	0.20	0.094	1		10/09/24 12:56	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:56	75-69-4	
1,2,3-Trichloropropane	**<0.38**	ug/L	1.0	0.38	1		10/09/24 12:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:56	76-13-1	
1,2,4-Trimethylbenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:56	108-67-8	
Vinyl chloride	**<0.075**	ug/L	0.20	0.075	1		10/09/24 12:56	75-01-4	
Xylene (Total)	**<0.42**	ug/L	1.5	0.42	1		10/09/24 12:56	1330-20-7	
m&p-Xylene	**<0.42**	ug/L	1.0	0.42	1		10/09/24 12:56	179601-23-1	
o-Xylene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:56	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1		10/09/24 12:56	2199-69-1	2M
4-Bromofluorobenzene (S)	101	%.	75-125		1		10/09/24 12:56	460-00-4	
Toluene-d8 (S)	104	%.	75-125		1		10/09/24 12:56	2037-26-5	
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<37.1**	ng/L	190	37.1	1	10/18/24 13:28	10/20/24 02:01	763051-92-9	
3:3 FTCA	**<111**	ng/L	238	111	1	10/18/24 13:28	10/20/24 02:01	356-02-5	
4:2 FTS	**<23.0**	ng/L	190	23.0	1	10/18/24 13:28	10/20/24 02:01	757124-72-4	
5:3 FTCA	**<230**	ng/L	1190	230	1	10/18/24 13:28	10/20/24 02:01	914637-49-3	
6:2 FTS	**<46.5**	ng/L	190	46.5	1	10/18/24 13:28	10/20/24 02:01	27619-97-2	
7:3 FTCA	**<249**	ng/L	1190	249	1	10/18/24 13:28	10/20/24 02:01	812-70-4	
8:2 FTS	**<50.0**	ng/L	190	50.0	1	10/18/24 13:28	10/20/24 02:01	39108-34-4	
9Cl-PF3ONS	**<39.2**	ng/L	190	39.2	1	10/18/24 13:28	10/20/24 02:01	756426-58-1	
ADONA	**<27.9**	ng/L	190	27.9	1	10/18/24 13:28	10/20/24 02:01	919005-14-4	
HFPO-DA	**<37.1**	ng/L	190	37.1	1	10/18/24 13:28	10/20/24 02:01	13252-13-6	
NEtFOSAA	**<16.6**	ng/L	47.6	16.6	1	10/18/24 13:28	10/20/24 02:01	2991-50-6	
NEtFOSA	**<12.2**	ng/L	47.6	12.2	1	10/18/24 13:28	10/20/24 02:01	4151-50-2	
NEtFOSE	**<153**	ng/L	476	153	1	10/18/24 13:28	10/20/24 02:01	1691-99-2	
NFDHA	**<27.0**	ng/L	95.2	27.0	1	10/18/24 13:28	10/20/24 02:01	151772-58-6	

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1700 Elm Street
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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-2 **Lab ID: 10709802002** Collected: 09/25/24 14:05 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
NMeFOSAA	**<15.2**	ng/L	47.6	15.2	1	10/18/24 13:28	10/20/24 02:01	2355-31-9	
NMeFOSA	**<12.7**	ng/L	47.6	12.7	1	10/18/24 13:28	10/20/24 02:01	31506-32-8	
NMeFOSE	**<127**	ng/L	476	127	1	10/18/24 13:28	10/20/24 02:01	24448-09-7	
PFBS	**<15.2**	ng/L	47.6	15.2	1	10/18/24 13:28	10/20/24 02:01	375-73-5	
PFDA	**<8.5**	ng/L	47.6	8.5	1	10/18/24 13:28	10/20/24 02:01	335-76-2	
PFHxA	**<7.2**	ng/L	47.6	7.2	1	10/18/24 13:28	10/20/24 02:01	307-24-4	
PFBA	**<29.2**	ng/L	190	29.2	1	10/18/24 13:28	10/20/24 02:01	375-22-4	
PFDS	**<12.6**	ng/L	47.6	12.6	1	10/18/24 13:28	10/20/24 02:01	335-77-3	
PFDoS	**<13.2**	ng/L	47.6	13.2	1	10/18/24 13:28	10/20/24 02:01	79780-39-5	
PFEESA	**<15.2**	ng/L	95.2	15.2	1	10/18/24 13:28	10/20/24 02:01	113507-82-7	
PFHpS	**<11.4**	ng/L	47.6	11.4	1	10/18/24 13:28	10/20/24 02:01	375-92-8	
PFMBA	**<15.1**	ng/L	95.2	15.1	1	10/18/24 13:28	10/20/24 02:01	863090-89-5	
PFMPA	**<23.0**	ng/L	95.2	23.0	1	10/18/24 13:28	10/20/24 02:01	377-73-1	
PFNS	**<11.5**	ng/L	47.6	11.5	1	10/18/24 13:28	10/20/24 02:01	68259-12-1	
PFOSA	**<11.3**	ng/L	47.6	11.3	1	10/18/24 13:28	10/20/24 02:01	754-91-6	
PFPeA	**<14.2**	ng/L	95.2	14.2	1	10/18/24 13:28	10/20/24 02:01	2706-90-3	
PFPeS	**<8.7**	ng/L	47.6	8.7	1	10/18/24 13:28	10/20/24 02:01	2706-91-4	
PFDoA	**<10.6**	ng/L	47.6	10.6	1	10/18/24 13:28	10/20/24 02:01	307-55-1	
PFHpA	**<10.1**	ng/L	47.6	10.1	1	10/18/24 13:28	10/20/24 02:01	375-85-9	
PFHxS	**<12.3**	ng/L	47.6	12.3	1	10/18/24 13:28	10/20/24 02:01	355-46-4	
PFNA	**<11.1**	ng/L	47.6	11.1	1	10/18/24 13:28	10/20/24 02:01	375-95-1	
PFOS	**76.2**	ng/L	47.6	8.3	1	10/18/24 13:28	10/20/24 02:01	1763-23-1	
PFOA	**<16.3**	ng/L	47.6	16.3	1	10/18/24 13:28	10/20/24 02:01	335-67-1	
PFTeDA	**<13.6**	ng/L	47.6	13.6	1	10/18/24 13:28	10/20/24 02:01	376-06-7	
PFTrDA	**<9.4**	ng/L	47.6	9.4	1	10/18/24 13:28	10/20/24 02:01	72629-94-8	
PFUnA	**<12.0**	ng/L	47.6	12.0	1	10/18/24 13:28	10/20/24 02:01	2058-94-8	
Surrogates									
13C2-PFDoA (S)	95	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		
13C3HFPO-DA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C3-PFBS (S)	106	%.	40-135		1	10/18/24 13:28	10/20/24 02:01		
13C3-PFHxS (S)	103	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C4-PFBA (S)	96	%.	5-130		1	10/18/24 13:28	10/20/24 02:01		
13C4-PFHpA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C5-PFHxA (S)	100	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C5-PFPeA (S)	102	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C6-PFDA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C8-PFOA (S)	97	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C8-PFOS (S)	105	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C8-PFOSA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
13C9-PFNA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:01		
d3-MeFOSAA (S)	98	%.	40-170		1	10/18/24 13:28	10/20/24 02:01		
d3-NMeFOSA (S)	86	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		
d5-EtFOSAA (S)	105	%.	25-135		1	10/18/24 13:28	10/20/24 02:01		
d5-NEtFOSA (S)	92	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		
d7-NMeFOSE (S)	100	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-2 **Lab ID: 10709802002** Collected: 09/25/24 14:05 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
d9-NEtFOSE (S)	104	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		
13C2-PFTA (S)	95	%.	10-130		1	10/18/24 13:28	10/20/24 02:01		
13C7-PFUdA (S)	102	%.	30-130		1	10/18/24 13:28	10/20/24 02:01		
13C24:2FTS (S)	154	%.	40-200		1	10/18/24 13:28	10/20/24 02:01		
13C26:2FTS (S)	161	%.	40-200		1	10/18/24 13:28	10/20/24 02:01		
13C28:2FTS (S)	155	%.	40-300		1	10/18/24 13:28	10/20/24 02:01		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-3 **Lab ID: 10709802003** Collected: 09/25/24 13:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO RV GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**0.064J**	mg/L	0.11	0.037	1	10/01/24 16:20	10/11/24 13:09		
Surrogates									
n-Triacontane (S)	80	%.	70-130		1	10/01/24 16:20	10/11/24 13:09		
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<34.1**	ug/L	100	34.1	1		10/03/24 03:10		G-,pH
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%.	80-200		1		10/03/24 03:10	98-08-8	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Arsenic, Dissolved	**7.6J**	ug/L	20.0	4.2	1	10/03/24 05:09	10/04/24 12:22	7440-38-2	
Barium, Dissolved	**46.2**	ug/L	10.0	0.50	1	10/03/24 05:09	10/04/24 12:22	7440-39-3	
Cadmium, Dissolved	**<0.48**	ug/L	3.0	0.48	1	10/03/24 05:09	10/04/24 12:22	7440-43-9	
Chromium, Dissolved	**<0.81**	ug/L	10.0	0.81	1	10/03/24 05:09	10/04/24 12:22	7440-47-3	
Lead, Dissolved	**<2.9**	ug/L	10.0	2.9	1	10/03/24 05:09	10/04/24 12:22	7439-92-1	
Selenium, Dissolved	**<5.5**	ug/L	20.0	5.5	1	10/03/24 05:09	10/04/24 12:22	7782-49-2	
Silver, Dissolved	**<0.77**	ug/L	10.0	0.77	1	10/03/24 05:09	10/04/24 12:22	7440-22-4	
7470A Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury, Dissolved	**<0.095**	ug/L	0.20	0.095	1	10/03/24 05:42	10/04/24 11:48	7439-97-6	
8270E MSSV PAH by SIM LV	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3511 Pace Analytical Services - Minneapolis								
Acenaphthene	**<0.000015**	mg/L	0.000040	0.000015	1	10/01/24 12:34	10/11/24 14:24	83-32-9	
Acenaphthylene	**<0.000011**	mg/L	0.000040	0.000011	1	10/01/24 12:34	10/11/24 14:24	208-96-8	
Anthracene	**<0.000015**	mg/L	0.000040	0.000015	1	10/01/24 12:34	10/11/24 14:24	120-12-7	
Benzo(a)anthracene	**<0.000013**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:24	56-55-3	
Benzo(a)pyrene	**0.000017J**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:24	50-32-8	
Benzo(b)fluoranthene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:24	205-99-2	
Benzo(g,h,i)perylene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:24	191-24-2	
Benzo(k)fluoranthene	**<0.000013**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:24	207-08-9	
Chrysene	**<0.000013**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:24	218-01-9	
Dibenz(a,h)anthracene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:24	53-70-3	
Fluoranthene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:24	206-44-0	
Fluorene	**<0.000017**	mg/L	0.000040	0.000017	1	10/01/24 12:34	10/11/24 14:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:24	193-39-5	
Naphthalene	**0.000051**	mg/L	0.000040	0.000020	1	10/01/24 12:34	10/11/24 14:24	91-20-3	
Phenanthrene	**<0.000013**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:24	85-01-8	
Pyrene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	100	%.	44-140		1	10/01/24 12:34	10/11/24 14:24	321-60-8	
p-Terphenyl-d14 (S)	110	%.	45-133		1	10/01/24 12:34	10/11/24 14:24	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-3 **Lab ID: 10709802003** Collected: 09/25/24 13:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
Acetone	**<1.9**	ug/L	5.0	1.9	1		10/09/24 13:12	67-64-1	
Allyl chloride	**<0.41**	ug/L	1.0	0.41	1		10/09/24 13:12	107-05-1	
Benzene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 13:12	71-43-2	
Bromobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	108-86-1	
Bromochloromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	74-97-5	
Bromodichloromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	75-27-4	
Bromoform	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	75-25-2	
Bromomethane	**<0.49**	ug/L	1.0	0.49	1		10/09/24 13:12	74-83-9	
2-Butanone (MEK)	**<0.93**	ug/L	5.0	0.93	1		10/09/24 13:12	78-93-3	
n-Butylbenzene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:12	135-98-8	
tert-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:12	98-06-6	
Carbon tetrachloride	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	56-23-5	
Chlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	108-90-7	
Chloroethane	**<0.24**	ug/L	0.50	0.24	1		10/09/24 13:12	75-00-3	
Chloroform	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:12	67-66-3	
Chloromethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	74-87-3	
2-Chlorotoluene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:12	95-49-8	
4-Chlorotoluene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.36**	ug/L	1.0	0.36	1		10/09/24 13:12	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:12	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:12	106-93-4	
Dibromomethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 13:12	74-95-3	
1,2-Dichlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	541-73-1	
1,4-Dichlorobenzene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	106-46-7	
Dichlorodifluoromethane	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:12	75-71-8	
1,1-Dichloroethane	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:12	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 13:12	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	75-35-4	
cis-1,2-Dichloroethene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 13:12	156-60-5	
Dichlorofluoromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	75-43-4	
1,2-Dichloropropane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	78-87-5	
1,3-Dichloropropane	**<0.16**	ug/L	0.50	0.16	1		10/09/24 13:12	142-28-9	
2,2-Dichloropropane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	594-20-7	
1,1-Dichloropropene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 13:12	10061-01-5	
trans-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/09/24 13:12	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.19**	ug/L	1.0	0.19	1		10/09/24 13:12	60-29-7	
Ethylbenzene	**0.36J**	ug/L	0.50	0.11	1		10/09/24 13:12	100-41-4	
Hexachloro-1,3-butadiene	**<0.24**	ug/L	0.50	0.24	1		10/09/24 13:12	87-68-3	
Isopropylbenzene (Cumene)	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	98-82-8	
p-Isopropyltoluene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:12	99-87-6	
Methylene Chloride	**<0.44**	ug/L	1.0	0.44	1		10/09/24 13:12	75-09-2	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-3 **Lab ID: 10709802003** Collected: 09/25/24 13:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/L	5.0	0.80	1		10/09/24 13:12	108-10-1	
Methyl-tert-butyl ether	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 13:12	91-20-3	
n-Propylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:12	103-65-1	
Styrene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.19**	ug/L	0.50	0.19	1		10/09/24 13:12	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	79-34-5	
Tetrachloroethene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	127-18-4	
Tetrahydrofuran	**<1.4**	ug/L	5.0	1.4	1		10/09/24 13:12	109-99-9	
Toluene	**0.50**	ug/L	0.50	0.21	1		10/09/24 13:12	108-88-3	
1,2,3-Trichlorobenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:12	87-61-6	
1,2,4-Trichlorobenzene	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:12	120-82-1	
1,1,1-Trichloroethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	71-55-6	
1,1,2-Trichloroethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:12	79-00-5	
Trichloroethene	**<0.094**	ug/L	0.20	0.094	1		10/09/24 13:12	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:12	75-69-4	
1,2,3-Trichloropropane	**<0.38**	ug/L	1.0	0.38	1		10/09/24 13:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:12	76-13-1	
1,2,4-Trimethylbenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:12	95-63-6	
1,3,5-Trimethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:12	108-67-8	
Vinyl chloride	**<0.075**	ug/L	0.20	0.075	1		10/09/24 13:12	75-01-4	
Xylene (Total)	**<0.42**	ug/L	1.5	0.42	1		10/09/24 13:12	1330-20-7	
m&p-Xylene	**<0.42**	ug/L	1.0	0.42	1		10/09/24 13:12	179601-23-1	
o-Xylene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 13:12	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125		1		10/09/24 13:12	2199-69-1	2M
4-Bromofluorobenzene (S)	99	%.	75-125		1		10/09/24 13:12	460-00-4	
Toluene-d8 (S)	106	%.	75-125		1		10/09/24 13:12	2037-26-5	
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<37.1**	ng/L	190	37.1	1	10/18/24 13:28	10/20/24 02:17	763051-92-9	
3:3 FTCA	**<111**	ng/L	238	111	1	10/18/24 13:28	10/20/24 02:17	356-02-5	
4:2 FTS	**<23.0**	ng/L	190	23.0	1	10/18/24 13:28	10/20/24 02:17	757124-72-4	
5:3 FTCA	**<230**	ng/L	1190	230	1	10/18/24 13:28	10/20/24 02:17	914637-49-3	
6:2 FTS	**<46.5**	ng/L	190	46.5	1	10/18/24 13:28	10/20/24 02:17	27619-97-2	
7:3 FTCA	**<249**	ng/L	1190	249	1	10/18/24 13:28	10/20/24 02:17	812-70-4	
8:2 FTS	**<50.0**	ng/L	190	50.0	1	10/18/24 13:28	10/20/24 02:17	39108-34-4	
9Cl-PF3ONS	**<39.2**	ng/L	190	39.2	1	10/18/24 13:28	10/20/24 02:17	756426-58-1	
ADONA	**<27.9**	ng/L	190	27.9	1	10/18/24 13:28	10/20/24 02:17	919005-14-4	
HFPO-DA	**<37.1**	ng/L	190	37.1	1	10/18/24 13:28	10/20/24 02:17	13252-13-6	
NEtFOSAA	**<16.6**	ng/L	47.6	16.6	1	10/18/24 13:28	10/20/24 02:17	2991-50-6	
NEtFOSA	**<12.2**	ng/L	47.6	12.2	1	10/18/24 13:28	10/20/24 02:17	4151-50-2	
NEtFOSE	**<153**	ng/L	476	153	1	10/18/24 13:28	10/20/24 02:17	1691-99-2	
NFDHA	**<27.0**	ng/L	95.2	27.0	1	10/18/24 13:28	10/20/24 02:17	151772-58-6	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-3 **Lab ID: 10709802003** Collected: 09/25/24 13:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
NMeFOSAA	**<15.2**	ng/L	47.6	15.2	1	10/18/24 13:28	10/20/24 02:17	2355-31-9	
NMeFOSA	**<12.7**	ng/L	47.6	12.7	1	10/18/24 13:28	10/20/24 02:17	31506-32-8	
NMeFOSE	**<127**	ng/L	476	127	1	10/18/24 13:28	10/20/24 02:17	24448-09-7	
PFBS	**<15.2**	ng/L	47.6	15.2	1	10/18/24 13:28	10/20/24 02:17	375-73-5	
PFDA	**<8.5**	ng/L	47.6	8.5	1	10/18/24 13:28	10/20/24 02:17	335-76-2	
PFHxA	**<7.2**	ng/L	47.6	7.2	1	10/18/24 13:28	10/20/24 02:17	307-24-4	
PFBA	**<29.2**	ng/L	190	29.2	1	10/18/24 13:28	10/20/24 02:17	375-22-4	
PFDS	**<12.6**	ng/L	47.6	12.6	1	10/18/24 13:28	10/20/24 02:17	335-77-3	
PFDoS	**<13.2**	ng/L	47.6	13.2	1	10/18/24 13:28	10/20/24 02:17	79780-39-5	
PFEESA	**<15.2**	ng/L	95.2	15.2	1	10/18/24 13:28	10/20/24 02:17	113507-82-7	
PFHpS	**<11.4**	ng/L	47.6	11.4	1	10/18/24 13:28	10/20/24 02:17	375-92-8	
PFMBA	**<15.1**	ng/L	95.2	15.1	1	10/18/24 13:28	10/20/24 02:17	863090-89-5	
PFMPA	**<23.0**	ng/L	95.2	23.0	1	10/18/24 13:28	10/20/24 02:17	377-73-1	
PFNS	**<11.5**	ng/L	47.6	11.5	1	10/18/24 13:28	10/20/24 02:17	68259-12-1	
PFOSA	**<11.3**	ng/L	47.6	11.3	1	10/18/24 13:28	10/20/24 02:17	754-91-6	
PFPeA	**<14.2**	ng/L	95.2	14.2	1	10/18/24 13:28	10/20/24 02:17	2706-90-3	
PFPeS	**<8.7**	ng/L	47.6	8.7	1	10/18/24 13:28	10/20/24 02:17	2706-91-4	
PFDoA	**<10.6**	ng/L	47.6	10.6	1	10/18/24 13:28	10/20/24 02:17	307-55-1	
PFHpA	**<10.1**	ng/L	47.6	10.1	1	10/18/24 13:28	10/20/24 02:17	375-85-9	
PFHxS	**<12.3**	ng/L	47.6	12.3	1	10/18/24 13:28	10/20/24 02:17	355-46-4	
PFNA	**<11.1**	ng/L	47.6	11.1	1	10/18/24 13:28	10/20/24 02:17	375-95-1	
PFOS	**37.8J**	ng/L	47.6	8.3	1	10/18/24 13:28	10/20/24 02:17	1763-23-1	
PFOA	**<16.3**	ng/L	47.6	16.3	1	10/18/24 13:28	10/20/24 02:17	335-67-1	
PFTeDA	**<13.6**	ng/L	47.6	13.6	1	10/18/24 13:28	10/20/24 02:17	376-06-7	
PFTrDA	**<9.4**	ng/L	47.6	9.4	1	10/18/24 13:28	10/20/24 02:17	72629-94-8	
PFUnA	**<12.0**	ng/L	47.6	12.0	1	10/18/24 13:28	10/20/24 02:17	2058-94-8	
Surrogates									
13C2-PFDoA (S)	84	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		
13C3HFPO-DA (S)	94	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C3-PFBS (S)	96	%.	40-135		1	10/18/24 13:28	10/20/24 02:17		
13C3-PFHxS (S)	95	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C4-PFBA (S)	91	%.	5-130		1	10/18/24 13:28	10/20/24 02:17		
13C4-PFHpA (S)	88	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C5-PFHxA (S)	91	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C5-PFPeA (S)	92	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C6-PFDA (S)	93	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C8-PFOA (S)	93	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C8-PFOS (S)	92	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C8-PFOSA (S)	90	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
13C9-PFNA (S)	92	%.	40-130		1	10/18/24 13:28	10/20/24 02:17		
d3-MeFOSAA (S)	87	%.	40-170		1	10/18/24 13:28	10/20/24 02:17		
d3-NMeFOSA (S)	77	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		
d5-EtFOSAA (S)	92	%.	25-135		1	10/18/24 13:28	10/20/24 02:17		
d5-NEtFOSA (S)	79	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		
d7-NMeFOSE (S)	88	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-3 **Lab ID: 10709802003** Collected: 09/25/24 13:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
d9-NEtFOSE (S)	92	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		
13C2-PFTA (S)	85	%.	10-130		1	10/18/24 13:28	10/20/24 02:17		
13C7-PFUdA (S)	90	%.	30-130		1	10/18/24 13:28	10/20/24 02:17		
13C24:2FTS (S)	136	%.	40-200		1	10/18/24 13:28	10/20/24 02:17		
13C26:2FTS (S)	140	%.	40-200		1	10/18/24 13:28	10/20/24 02:17		
13C28:2FTS (S)	136	%.	40-300		1	10/18/24 13:28	10/20/24 02:17		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-4 **Lab ID: 10709802004** Collected: 09/25/24 12:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO RV GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**0.19**	mg/L	0.11	0.039	1	10/01/24 16:20	10/11/24 12:46		1M,4M
Surrogates									
n-Triacontane (S)	100	%.	70-130		1	10/01/24 16:20	10/11/24 12:46		
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<34.1**	ug/L	100	34.1	1		10/03/24 04:08		G-,pH
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%.	80-200		1		10/03/24 04:08	98-08-8	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Arsenic, Dissolved	**12.2J**	ug/L	20.0	4.2	1	10/03/24 05:09	10/04/24 12:24	7440-38-2	
Barium, Dissolved	**126**	ug/L	10.0	0.50	1	10/03/24 05:09	10/04/24 12:24	7440-39-3	
Cadmium, Dissolved	**0.58J**	ug/L	3.0	0.48	1	10/03/24 05:09	10/04/24 12:24	7440-43-9	
Chromium, Dissolved	**<0.81**	ug/L	10.0	0.81	1	10/03/24 05:09	10/04/24 12:24	7440-47-3	
Lead, Dissolved	**<2.9**	ug/L	10.0	2.9	1	10/03/24 05:09	10/04/24 12:24	7439-92-1	
Selenium, Dissolved	**<5.5**	ug/L	20.0	5.5	1	10/03/24 05:09	10/04/24 12:24	7782-49-2	
Silver, Dissolved	**<0.77**	ug/L	10.0	0.77	1	10/03/24 05:09	10/04/24 12:24	7440-22-4	
7470A Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury, Dissolved	**<0.095**	ug/L	0.20	0.095	1	10/03/24 05:42	10/04/24 11:49	7439-97-6	
8270E MSSV PAH by SIM LV	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3511 Pace Analytical Services - Minneapolis								
Acenaphthene	**<0.000015**	mg/L	0.000040	0.000015	1	10/01/24 12:34	10/11/24 14:49	83-32-9	
Acenaphthylene	**<0.000011**	mg/L	0.000040	0.000011	1	10/01/24 12:34	10/11/24 14:49	208-96-8	
Anthracene	**<0.000015**	mg/L	0.000040	0.000015	1	10/01/24 12:34	10/11/24 14:49	120-12-7	
Benzo(a)anthracene	**0.000016J**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:49	56-55-3	
Benzo(a)pyrene	**0.000022J**	mg/L	0.000040	0.000015	1	10/01/24 12:34	10/11/24 14:49	50-32-8	
Benzo(b)fluoranthene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:49	205-99-2	
Benzo(g,h,i)perylene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:49	191-24-2	
Benzo(k)fluoranthene	**<0.000013**	mg/L	0.000040	0.000013	1	10/01/24 12:34	10/11/24 14:49	207-08-9	
Chrysene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:49	218-01-9	
Dibenz(a,h)anthracene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:49	53-70-3	
Fluoranthene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:49	206-44-0	
Fluorene	**<0.000017**	mg/L	0.000040	0.000017	1	10/01/24 12:34	10/11/24 14:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.000016**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:49	193-39-5	
Naphthalene	**0.000041**	mg/L	0.000040	0.000020	1	10/01/24 12:34	10/11/24 14:49	91-20-3	
Phenanthrene	**<0.000014**	mg/L	0.000040	0.000014	1	10/01/24 12:34	10/11/24 14:49	85-01-8	
Pyrene	**0.000017J**	mg/L	0.000040	0.000016	1	10/01/24 12:34	10/11/24 14:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	105	%.	44-140		1	10/01/24 12:34	10/11/24 14:49	321-60-8	
p-Terphenyl-d14 (S)	106	%.	45-133		1	10/01/24 12:34	10/11/24 14:49	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-4 **Lab ID: 10709802004** Collected: 09/25/24 12:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**2.2J**	ug/L	5.0	1.9	1		10/09/24 13:28	67-64-1	
Allyl chloride	**<0.41**	ug/L	1.0	0.41	1		10/09/24 13:28	107-05-1	
Benzene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 13:28	71-43-2	
Bromobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	108-86-1	
Bromochloromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	74-97-5	
Bromodichloromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	75-27-4	
Bromoform	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	75-25-2	
Bromomethane	**<0.49**	ug/L	1.0	0.49	1		10/09/24 13:28	74-83-9	
2-Butanone (MEK)	**<0.93**	ug/L	5.0	0.93	1		10/09/24 13:28	78-93-3	
n-Butylbenzene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:28	135-98-8	
tert-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:28	98-06-6	
Carbon tetrachloride	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	56-23-5	
Chlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	108-90-7	
Chloroethane	**<0.24**	ug/L	0.50	0.24	1		10/09/24 13:28	75-00-3	
Chloroform	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:28	67-66-3	
Chloromethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	74-87-3	
2-Chlorotoluene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:28	95-49-8	
4-Chlorotoluene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.36**	ug/L	1.0	0.36	1		10/09/24 13:28	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	0.50	0.20	1		10/09/24 13:28	106-93-4	
Dibromomethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 13:28	74-95-3	
1,2-Dichlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	541-73-1	
1,4-Dichlorobenzene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	106-46-7	
Dichlorodifluoromethane	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:28	75-71-8	
1,1-Dichloroethane	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:28	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 13:28	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	75-35-4	
cis-1,2-Dichloroethene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 13:28	156-60-5	
Dichlorofluoromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	75-43-4	
1,2-Dichloropropane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	78-87-5	
1,3-Dichloropropane	**<0.16**	ug/L	0.50	0.16	1		10/09/24 13:28	142-28-9	
2,2-Dichloropropane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	594-20-7	
1,1-Dichloropropene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 13:28	10061-01-5	
trans-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/09/24 13:28	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.19**	ug/L	1.0	0.19	1		10/09/24 13:28	60-29-7	
Ethylbenzene	**0.30J**	ug/L	0.50	0.11	1		10/09/24 13:28	100-41-4	
Hexachloro-1,3-butadiene	**<0.24**	ug/L	0.50	0.24	1		10/09/24 13:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	98-82-8	
p-Isopropyltoluene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:28	99-87-6	
Methylene Chloride	**<0.44**	ug/L	1.0	0.44	1		10/09/24 13:28	75-09-2	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-4 **Lab ID: 10709802004** Collected: 09/25/24 12:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/L	5.0	0.80	1		10/09/24 13:28	108-10-1	
Methyl-tert-butyl ether	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 13:28	91-20-3	
n-Propylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:28	103-65-1	
Styrene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.19**	ug/L	0.50	0.19	1		10/09/24 13:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	79-34-5	
Tetrachloroethene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	127-18-4	
Tetrahydrofuran	**<1.4**	ug/L	5.0	1.4	1		10/09/24 13:28	109-99-9	
Toluene	**0.41J**	ug/L	0.50	0.21	1		10/09/24 13:28	108-88-3	
1,2,3-Trichlorobenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:28	87-61-6	
1,2,4-Trichlorobenzene	**<0.23**	ug/L	0.50	0.23	1		10/09/24 13:28	120-82-1	
1,1,1-Trichloroethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	71-55-6	
1,1,2-Trichloroethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 13:28	79-00-5	
Trichloroethene	**<0.094**	ug/L	0.20	0.094	1		10/09/24 13:28	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 13:28	75-69-4	
1,2,3-Trichloropropane	**<0.38**	ug/L	1.0	0.38	1		10/09/24 13:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 13:28	76-13-1	
1,2,4-Trimethylbenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 13:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 13:28	108-67-8	
Vinyl chloride	**<0.075**	ug/L	0.20	0.075	1		10/09/24 13:28	75-01-4	
Xylene (Total)	**<0.42**	ug/L	1.5	0.42	1		10/09/24 13:28	1330-20-7	
m&p-Xylene	**<0.42**	ug/L	1.0	0.42	1		10/09/24 13:28	179601-23-1	
o-Xylene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 13:28	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1		10/09/24 13:28	2199-69-1	2M
4-Bromofluorobenzene (S)	99	%.	75-125		1		10/09/24 13:28	460-00-4	
Toluene-d8 (S)	104	%.	75-125		1		10/09/24 13:28	2037-26-5	
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<779**	ng/L	4000	779	1	10/18/24 13:28	10/20/24 02:32	763051-92-9	
3:3 FTCA	**<2330**	ng/L	5000	2330	1	10/18/24 13:28	10/20/24 02:32	356-02-5	
4:2 FTS	**<482**	ng/L	4000	482	1	10/18/24 13:28	10/20/24 02:32	757124-72-4	
5:3 FTCA	**<4830**	ng/L	25000	4830	1	10/18/24 13:28	10/20/24 02:32	914637-49-3	
6:2 FTS	**<976**	ng/L	4000	976	1	10/18/24 13:28	10/20/24 02:32	27619-97-2	
7:3 FTCA	**<5230**	ng/L	25000	5230	1	10/18/24 13:28	10/20/24 02:32	812-70-4	
8:2 FTS	**<1050**	ng/L	4000	1050	1	10/18/24 13:28	10/20/24 02:32	39108-34-4	
9Cl-PF3ONS	**<823**	ng/L	4000	823	1	10/18/24 13:28	10/20/24 02:32	756426-58-1	
ADONA	**<586**	ng/L	4000	586	1	10/18/24 13:28	10/20/24 02:32	919005-14-4	
HFPO-DA	**<779**	ng/L	4000	779	1	10/18/24 13:28	10/20/24 02:32	13252-13-6	
NEtFOSAA	**<348**	ng/L	1000	348	1	10/18/24 13:28	10/20/24 02:32	2991-50-6	
NEtFOSA	**<257**	ng/L	1000	257	1	10/18/24 13:28	10/20/24 02:32	4151-50-2	
NEtFOSE	**<3210**	ng/L	10000	3210	1	10/18/24 13:28	10/20/24 02:32	1691-99-2	
NFDHA	**<566**	ng/L	2000	566	1	10/18/24 13:28	10/20/24 02:32	151772-58-6	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-4 **Lab ID: 10709802004** Collected: 09/25/24 12:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
NMeFOSAA	**<319**	ng/L	1000	319	1	10/18/24 13:28	10/20/24 02:32	2355-31-9	
NMeFOSA	**<266**	ng/L	1000	266	1	10/18/24 13:28	10/20/24 02:32	31506-32-8	
NMeFOSE	**<2670**	ng/L	10000	2670	1	10/18/24 13:28	10/20/24 02:32	24448-09-7	
PFBS	**<320**	ng/L	1000	320	1	10/18/24 13:28	10/20/24 02:32	375-73-5	
PFDA	**<178**	ng/L	1000	178	1	10/18/24 13:28	10/20/24 02:32	335-76-2	
PFHxA	**<151**	ng/L	1000	151	1	10/18/24 13:28	10/20/24 02:32	307-24-4	
PFBA	**<613**	ng/L	4000	613	1	10/18/24 13:28	10/20/24 02:32	375-22-4	
PFDS	**<265**	ng/L	1000	265	1	10/18/24 13:28	10/20/24 02:32	335-77-3	
PFDoS	**<277**	ng/L	1000	277	1	10/18/24 13:28	10/20/24 02:32	79780-39-5	
PFEESA	**<320**	ng/L	2000	320	1	10/18/24 13:28	10/20/24 02:32	113507-82-7	
PFHpS	**<239**	ng/L	1000	239	1	10/18/24 13:28	10/20/24 02:32	375-92-8	
PFMBA	**<317**	ng/L	2000	317	1	10/18/24 13:28	10/20/24 02:32	863090-89-5	
PFMPA	**<483**	ng/L	2000	483	1	10/18/24 13:28	10/20/24 02:32	377-73-1	
PFNS	**<241**	ng/L	1000	241	1	10/18/24 13:28	10/20/24 02:32	68259-12-1	
PFOSA	**<238**	ng/L	1000	238	1	10/18/24 13:28	10/20/24 02:32	754-91-6	
PFPeA	**<299**	ng/L	2000	299	1	10/18/24 13:28	10/20/24 02:32	2706-90-3	
PFPeS	**<182**	ng/L	1000	182	1	10/18/24 13:28	10/20/24 02:32	2706-91-4	
PFDoA	**<222**	ng/L	1000	222	1	10/18/24 13:28	10/20/24 02:32	307-55-1	
PFHpA	**<213**	ng/L	1000	213	1	10/18/24 13:28	10/20/24 02:32	375-85-9	
PFHxS	**<259**	ng/L	1000	259	1	10/18/24 13:28	10/20/24 02:32	355-46-4	
PFNA	**<233**	ng/L	1000	233	1	10/18/24 13:28	10/20/24 02:32	375-95-1	
PFOS	**<175**	ng/L	1000	175	1	10/18/24 13:28	10/20/24 02:32	1763-23-1	
PFOA	**<342**	ng/L	1000	342	1	10/18/24 13:28	10/20/24 02:32	335-67-1	
PFTeDA	**<285**	ng/L	1000	285	1	10/18/24 13:28	10/20/24 02:32	376-06-7	
PFTrDA	**<198**	ng/L	1000	198	1	10/18/24 13:28	10/20/24 02:32	72629-94-8	
PFUnA	**<253**	ng/L	1000	253	1	10/18/24 13:28	10/20/24 02:32	2058-94-8	
Surrogates									
13C2-PFDoA (S)	47	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		
13C3HFPO-DA (S)	45	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C3-PFBS (S)	50	%.	40-135		1	10/18/24 13:28	10/20/24 02:32		
13C3-PFHxS (S)	48	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C4-PFBA (S)	45	%.	5-130		1	10/18/24 13:28	10/20/24 02:32		
13C4-PFHpA (S)	45	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C5-PFHxA (S)	45	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C5-PFPeA (S)	45	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C6-PFDA (S)	47	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C8-PFOA (S)	46	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C8-PFOS (S)	51	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C8-PFOSA (S)	42	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
13C9-PFNA (S)	46	%.	40-130		1	10/18/24 13:28	10/20/24 02:32		
d3-MeFOSAA (S)	45	%.	40-170		1	10/18/24 13:28	10/20/24 02:32		
d3-NMeFOSA (S)	40	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		
d5-EtFOSAA (S)	49	%.	25-135		1	10/18/24 13:28	10/20/24 02:32		
d5-NEtFOSA (S)	42	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		
d7-NMeFOSE (S)	40	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: PP-4 **Lab ID: 10709802004** Collected: 09/25/24 12:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
d9-NEtFOSE (S)	48	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		
13C2-PFTA (S)	60	%.	10-130		1	10/18/24 13:28	10/20/24 02:32		
13C7-PFUdA (S)	47	%.	30-130		1	10/18/24 13:28	10/20/24 02:32		
13C24:2FTS (S)	78	%.	40-200		1	10/18/24 13:28	10/20/24 02:32		
13C26:2FTS (S)	84	%.	40-200		1	10/18/24 13:28	10/20/24 02:32		
13C28:2FTS (S)	76	%.	40-300		1	10/18/24 13:28	10/20/24 02:32		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Equipment Blank **Lab ID: 10709802005** Collected: 09/25/24 10:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.74**	ng/L	3.8	0.74	1	10/18/24 13:28	10/20/24 02:48	763051-92-9	
3:3 FTCA	**<2.2**	ng/L	4.7	2.2	1	10/18/24 13:28	10/20/24 02:48	356-02-5	
4:2 FTS	**<0.46**	ng/L	3.8	0.46	1	10/18/24 13:28	10/20/24 02:48	757124-72-4	
5:3 FTCA	**<4.6**	ng/L	23.7	4.6	1	10/18/24 13:28	10/20/24 02:48	914637-49-3	
6:2 FTS	**<0.93**	ng/L	3.8	0.93	1	10/18/24 13:28	10/20/24 02:48	27619-97-2	
7:3 FTCA	**<5.0**	ng/L	23.7	5.0	1	10/18/24 13:28	10/20/24 02:48	812-70-4	
8:2 FTS	**<1.0**	ng/L	3.8	1.0	1	10/18/24 13:28	10/20/24 02:48	39108-34-4	
9Cl-PF3ONS	**<0.78**	ng/L	3.8	0.78	1	10/18/24 13:28	10/20/24 02:48	756426-58-1	
ADONA	**<0.56**	ng/L	3.8	0.56	1	10/18/24 13:28	10/20/24 02:48	919005-14-4	
HFPO-DA	**<0.74**	ng/L	3.8	0.74	1	10/18/24 13:28	10/20/24 02:48	13252-13-6	
NEtFOSAA	**<0.33**	ng/L	0.95	0.33	1	10/18/24 13:28	10/20/24 02:48	2991-50-6	
NEtFOSA	**<0.24**	ng/L	0.95	0.24	1	10/18/24 13:28	10/20/24 02:48	4151-50-2	
NEtFOSE	**<3.0**	ng/L	9.5	3.0	1	10/18/24 13:28	10/20/24 02:48	1691-99-2	
NFDHA	**<0.54**	ng/L	1.9	0.54	1	10/18/24 13:28	10/20/24 02:48	151772-58-6	
NMeFOSAA	**<0.30**	ng/L	0.95	0.30	1	10/18/24 13:28	10/20/24 02:48	2355-31-9	
NMeFOSA	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 02:48	31506-32-8	
NMeFOSE	**<2.5**	ng/L	9.5	2.5	1	10/18/24 13:28	10/20/24 02:48	24448-09-7	
PFBS	**<0.30**	ng/L	0.95	0.30	1	10/18/24 13:28	10/20/24 02:48	375-73-5	
PFDA	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 02:48	335-76-2	
PFHxA	**<0.14**	ng/L	0.95	0.14	1	10/18/24 13:28	10/20/24 02:48	307-24-4	
PFBA	**<0.58**	ng/L	3.8	0.58	1	10/18/24 13:28	10/20/24 02:48	375-22-4	
PFDS	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 02:48	335-77-3	
PFDoS	**<0.26**	ng/L	0.95	0.26	1	10/18/24 13:28	10/20/24 02:48	79780-39-5	
PFEESA	**<0.30**	ng/L	1.9	0.30	1	10/18/24 13:28	10/20/24 02:48	113507-82-7	
PFHpS	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 02:48	375-92-8	
PFMBA	**<0.30**	ng/L	1.9	0.30	1	10/18/24 13:28	10/20/24 02:48	863090-89-5	
PFMPA	**<0.46**	ng/L	1.9	0.46	1	10/18/24 13:28	10/20/24 02:48	377-73-1	
PFNS	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 02:48	68259-12-1	
PFOSA	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 02:48	754-91-6	
PFPeA	**<0.28**	ng/L	1.9	0.28	1	10/18/24 13:28	10/20/24 02:48	2706-90-3	
PFPeS	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 02:48	2706-91-4	
PFDoA	**<0.21**	ng/L	0.95	0.21	1	10/18/24 13:28	10/20/24 02:48	307-55-1	
PFHpA	**<0.20**	ng/L	0.95	0.20	1	10/18/24 13:28	10/20/24 02:48	375-85-9	
PFHxS	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 02:48	355-46-4	
PFNA	**<0.22**	ng/L	0.95	0.22	1	10/18/24 13:28	10/20/24 02:48	375-95-1	
PFOS	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 02:48	1763-23-1	
PFOA	**<0.32**	ng/L	0.95	0.32	1	10/18/24 13:28	10/20/24 02:48	335-67-1	
PFTeDA	**<0.27**	ng/L	0.95	0.27	1	10/18/24 13:28	10/20/24 02:48	376-06-7	
PFTrDA	**<0.19**	ng/L	0.95	0.19	1	10/18/24 13:28	10/20/24 02:48	72629-94-8	
PFUnA	**<0.24**	ng/L	0.95	0.24	1	10/18/24 13:28	10/20/24 02:48	2058-94-8	
Surrogates									
13C2-PFDoA (S)	98	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
13C3HFPO-DA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C3-PFBS (S)	102	%.	40-135		1	10/18/24 13:28	10/20/24 02:48		
13C3-PFHxS (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Equipment Blank **Lab ID: 10709802005** Collected: 09/25/24 10:10 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
13C4-PFBA (S)	97	%.	5-130		1	10/18/24 13:28	10/20/24 02:48		
13C4-PFHpA (S)	98	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C5-PFHxA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C5-PFPeA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C6-PFDA (S)	103	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C8-PFOA (S)	103	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C8-PFOS (S)	105	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C8-PFOSA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
13C9-PFNA (S)	100	%.	40-130		1	10/18/24 13:28	10/20/24 02:48		
d3-MeFOSAA (S)	98	%.	40-170		1	10/18/24 13:28	10/20/24 02:48		
d3-NMeFOSA (S)	87	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
d5-EtFOSAA (S)	103	%.	25-135		1	10/18/24 13:28	10/20/24 02:48		
d5-NEtFOSA (S)	94	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
d7-NMeFOSE (S)	99	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
d9-NEtFOSE (S)	104	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
13C2-PFTA (S)	91	%.	10-130		1	10/18/24 13:28	10/20/24 02:48		
13C7-PFUdA (S)	104	%.	30-130		1	10/18/24 13:28	10/20/24 02:48		
13C24:2FTS (S)	156	%.	40-200		1	10/18/24 13:28	10/20/24 02:48		
13C26:2FTS (S)	157	%.	40-200		1	10/18/24 13:28	10/20/24 02:48		
13C28:2FTS (S)	148	%.	40-300		1	10/18/24 13:28	10/20/24 02:48		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Trip Blank **Lab ID: 10709802006** Collected: 09/25/24 08:00 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
	Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<34.1**	ug/L	100	34.1	1		10/03/24 00:36		
Surrogates									
a,a,a-Trifluorotoluene (S)	112	%.	80-200		1		10/03/24 00:36	98-08-8	
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
Acetone	**2.6J**	ug/L	5.0	1.9	1		10/09/24 12:07	67-64-1	
Allyl chloride	**<0.41**	ug/L	1.0	0.41	1		10/09/24 12:07	107-05-1	
Benzene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 12:07	71-43-2	
Bromobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	108-86-1	
Bromochloromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	74-97-5	
Bromodichloromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	75-27-4	
Bromoform	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	75-25-2	
Bromomethane	**<0.49**	ug/L	1.0	0.49	1		10/09/24 12:07	74-83-9	
2-Butanone (MEK)	**<0.93**	ug/L	5.0	0.93	1		10/09/24 12:07	78-93-3	
n-Butylbenzene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:07	135-98-8	
tert-Butylbenzene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:07	98-06-6	
Carbon tetrachloride	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	56-23-5	
Chlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	108-90-7	
Chloroethane	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:07	75-00-3	
Chloroform	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:07	67-66-3	
Chloromethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	74-87-3	
2-Chlorotoluene	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:07	95-49-8	
4-Chlorotoluene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.36**	ug/L	1.0	0.36	1		10/09/24 12:07	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	0.50	0.20	1		10/09/24 12:07	106-93-4	
Dibromomethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:07	74-95-3	
1,2-Dichlorobenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	541-73-1	
1,4-Dichlorobenzene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	106-46-7	
Dichlorodifluoromethane	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	75-71-8	
1,1-Dichloroethane	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:07	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	0.50	0.17	1		10/09/24 12:07	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	75-35-4	
cis-1,2-Dichloroethene	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:07	156-60-5	
Dichlorofluoromethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	75-43-4	
1,2-Dichloropropane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	78-87-5	
1,3-Dichloropropane	**<0.16**	ug/L	0.50	0.16	1		10/09/24 12:07	142-28-9	
2,2-Dichloropropane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	594-20-7	
1,1-Dichloropropene	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	0.50	0.14	1		10/09/24 12:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/09/24 12:07	10061-02-6	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Trip Blank **Lab ID: 10709802006** Collected: 09/25/24 08:00 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Minneapolis								
Diethyl ether (Ethyl ether)	**<0.19**	ug/L	1.0	0.19	1		10/09/24 12:07	60-29-7	
Ethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	100-41-4	
Hexachloro-1,3-butadiene	**<0.24**	ug/L	0.50	0.24	1		10/09/24 12:07	87-68-3	
Isopropylbenzene (Cumene)	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	98-82-8	
p-Isopropyltoluene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	99-87-6	
Methylene Chloride	**1.5**	ug/L	1.0	0.44	1		10/09/24 12:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/L	5.0	0.80	1		10/09/24 12:07	108-10-1	
Methyl-tert-butyl ether	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:07	91-20-3	
n-Propylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	103-65-1	
Styrene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.19**	ug/L	0.50	0.19	1		10/09/24 12:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	79-34-5	
Tetrachloroethene	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	127-18-4	
Tetrahydrofuran	**<1.4**	ug/L	5.0	1.4	1		10/09/24 12:07	109-99-9	
Toluene	**<0.21**	ug/L	0.50	0.21	1		10/09/24 12:07	108-88-3	
1,2,3-Trichlorobenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.23**	ug/L	0.50	0.23	1		10/09/24 12:07	120-82-1	
1,1,1-Trichloroethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	71-55-6	
1,1,2-Trichloroethane	**<0.22**	ug/L	0.50	0.22	1		10/09/24 12:07	79-00-5	
Trichloroethene	**<0.094**	ug/L	0.20	0.094	1		10/09/24 12:07	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.50	0.12	1		10/09/24 12:07	75-69-4	
1,2,3-Trichloropropane	**<0.38**	ug/L	1.0	0.38	1		10/09/24 12:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.15**	ug/L	0.50	0.15	1		10/09/24 12:07	76-13-1	
1,2,4-Trimethylbenzene	**<0.13**	ug/L	0.50	0.13	1		10/09/24 12:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.11**	ug/L	0.50	0.11	1		10/09/24 12:07	108-67-8	
Vinyl chloride	**<0.075**	ug/L	0.20	0.075	1		10/09/24 12:07	75-01-4	
Xylene (Total)	**<0.42**	ug/L	1.5	0.42	1		10/09/24 12:07	1330-20-7	
m&p-Xylene	**<0.42**	ug/L	1.0	0.42	1		10/09/24 12:07	179601-23-1	
o-Xylene	**<0.18**	ug/L	0.50	0.18	1		10/09/24 12:07	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1		10/09/24 12:07	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125		1		10/09/24 12:07	460-00-4	
Toluene-d8 (S)	104	%.	75-125		1		10/09/24 12:07	2037-26-5	
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.74**	ng/L	3.8	0.74	1	10/18/24 13:28	10/20/24 03:03	763051-92-9	
3:3 FTCA	**<2.2**	ng/L	4.7	2.2	1	10/18/24 13:28	10/20/24 03:03	356-02-5	
4:2 FTS	**<0.46**	ng/L	3.8	0.46	1	10/18/24 13:28	10/20/24 03:03	757124-72-4	
5:3 FTCA	**<4.6**	ng/L	23.7	4.6	1	10/18/24 13:28	10/20/24 03:03	914637-49-3	
6:2 FTS	**<0.93**	ng/L	3.8	0.93	1	10/18/24 13:28	10/20/24 03:03	27619-97-2	
7:3 FTCA	**<5.0**	ng/L	23.7	5.0	1	10/18/24 13:28	10/20/24 03:03	812-70-4	
8:2 FTS	**<1.0**	ng/L	3.8	1.0	1	10/18/24 13:28	10/20/24 03:03	39108-34-4	
9Cl-PF3ONS	**<0.78**	ng/L	3.8	0.78	1	10/18/24 13:28	10/20/24 03:03	756426-58-1	

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Trip Blank **Lab ID: 10709802006** Collected: 09/25/24 08:00 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT								
	Pace Analytical Services - Minneapolis								
ADONA	**<0.56**	ng/L	3.8	0.56	1	10/18/24 13:28	10/20/24 03:03	919005-14-4	
HFPO-DA	**<0.74**	ng/L	3.8	0.74	1	10/18/24 13:28	10/20/24 03:03	13252-13-6	
NEtFOSAA	**<0.33**	ng/L	0.95	0.33	1	10/18/24 13:28	10/20/24 03:03	2991-50-6	
NEtFOSA	**<0.24**	ng/L	0.95	0.24	1	10/18/24 13:28	10/20/24 03:03	4151-50-2	
NEtFOSE	**<3.0**	ng/L	9.5	3.0	1	10/18/24 13:28	10/20/24 03:03	1691-99-2	
NFDHA	**<0.54**	ng/L	1.9	0.54	1	10/18/24 13:28	10/20/24 03:03	151772-58-6	
NMeFOSAA	**<0.30**	ng/L	0.95	0.30	1	10/18/24 13:28	10/20/24 03:03	2355-31-9	
NMeFOSA	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 03:03	31506-32-8	
NMeFOSE	**<2.5**	ng/L	9.5	2.5	1	10/18/24 13:28	10/20/24 03:03	24448-09-7	
PFBS	**<0.30**	ng/L	0.95	0.30	1	10/18/24 13:28	10/20/24 03:03	375-73-5	
PFDA	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 03:03	335-76-2	
PFHxA	**<0.14**	ng/L	0.95	0.14	1	10/18/24 13:28	10/20/24 03:03	307-24-4	
PFBA	**<0.58**	ng/L	3.8	0.58	1	10/18/24 13:28	10/20/24 03:03	375-22-4	
PFDS	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 03:03	335-77-3	
PFDoS	**<0.26**	ng/L	0.95	0.26	1	10/18/24 13:28	10/20/24 03:03	79780-39-5	
PFEESA	**<0.30**	ng/L	1.9	0.30	1	10/18/24 13:28	10/20/24 03:03	113507-82-7	
PFHpS	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 03:03	375-92-8	
PFMBA	**<0.30**	ng/L	1.9	0.30	1	10/18/24 13:28	10/20/24 03:03	863090-89-5	
PFMPA	**<0.46**	ng/L	1.9	0.46	1	10/18/24 13:28	10/20/24 03:03	377-73-1	
PFNS	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 03:03	68259-12-1	
PFOSA	**<0.23**	ng/L	0.95	0.23	1	10/18/24 13:28	10/20/24 03:03	754-91-6	
PFPeA	**<0.28**	ng/L	1.9	0.28	1	10/18/24 13:28	10/20/24 03:03	2706-90-3	
PFPeS	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 03:03	2706-91-4	
PFDoA	**<0.21**	ng/L	0.95	0.21	1	10/18/24 13:28	10/20/24 03:03	307-55-1	
PFHpA	**<0.20**	ng/L	0.95	0.20	1	10/18/24 13:28	10/20/24 03:03	375-85-9	
PFHxS	**<0.25**	ng/L	0.95	0.25	1	10/18/24 13:28	10/20/24 03:03	355-46-4	
PFNA	**<0.22**	ng/L	0.95	0.22	1	10/18/24 13:28	10/20/24 03:03	375-95-1	
PFOS	**<0.17**	ng/L	0.95	0.17	1	10/18/24 13:28	10/20/24 03:03	1763-23-1	
PFOA	**<0.32**	ng/L	0.95	0.32	1	10/18/24 13:28	10/20/24 03:03	335-67-1	
PFTeDA	**<0.27**	ng/L	0.95	0.27	1	10/18/24 13:28	10/20/24 03:03	376-06-7	
PFTrDA	**<0.19**	ng/L	0.95	0.19	1	10/18/24 13:28	10/20/24 03:03	72629-94-8	
PFUnA	**<0.24**	ng/L	0.95	0.24	1	10/18/24 13:28	10/20/24 03:03	2058-94-8	
Surrogates									
13C2-PFDoA (S)	83	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
13C3HFPO-DA (S)	100	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C3-PFBS (S)	104	%.	40-135		1	10/18/24 13:28	10/20/24 03:03		
13C3-PFHxS (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C4-PFBA (S)	99	%.	5-130		1	10/18/24 13:28	10/20/24 03:03		
13C4-PFHpA (S)	98	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C5-PFHxA (S)	99	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C5-PFPeA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C6-PFDA (S)	95	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C8-PFOA (S)	101	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C8-PFOS (S)	100	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
13C8-PFOSA (S)	94	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		

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ANALYTICAL RESULTS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Sample: Trip Blank **Lab ID: 10709802006** Collected: 09/25/24 08:00 Received: 09/27/24 12:08 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
EPA 1633 DRAFT Water	Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT Pace Analytical Services - Minneapolis								
Surrogates									
13C9-PFNA (S)	97	%.	40-130		1	10/18/24 13:28	10/20/24 03:03		
d3-MeFOSAA (S)	96	%.	40-170		1	10/18/24 13:28	10/20/24 03:03		
d3-NMeFOSA (S)	86	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
d5-EtFOSAA (S)	97	%.	25-135		1	10/18/24 13:28	10/20/24 03:03		
d5-NEtFOSA (S)	89	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
d7-NMeFOSE (S)	96	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
d9-NEtFOSE (S)	99	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
13C2-PFTA (S)	85	%.	10-130		1	10/18/24 13:28	10/20/24 03:03		
13C7-PFUdA (S)	92	%.	30-130		1	10/18/24 13:28	10/20/24 03:03		
13C24:2FTS (S)	153	%.	40-200		1	10/18/24 13:28	10/20/24 03:03		
13C26:2FTS (S)	161	%.	40-200		1	10/18/24 13:28	10/20/24 03:03		
13C28:2FTS (S)	144	%.	40-300		1	10/18/24 13:28	10/20/24 03:03		

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 971431
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802006

METHOD BLANK: 5076335
Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<34.1	100	34.1	10/02/24 23:57	
a,a,a-Trifluorotoluene (S)	%.	110	80-200		10/02/24 23:57	

LABORATORY CONTROL SAMPLE & LCSD: 5076336 5076337

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	880	886	88	89	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%.				107	109	80-200			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 971306
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470A Mercury Water Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

METHOD BLANK: 5075843 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.095	0.20	0.095	10/04/24 11:41	

LABORATORY CONTROL SAMPLE: 5075844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.5	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5075845 5075846

Parameter	Units	10709973001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.2	5.2	104	104	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 971294
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D Water Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

METHOD BLANK: 5075805 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	4.5J	20.0	4.2	10/04/24 12:15	
Barium, Dissolved	ug/L	<0.50	10.0	0.50	10/04/24 12:15	
Cadmium, Dissolved	ug/L	<0.48	3.0	0.48	10/04/24 12:15	
Chromium, Dissolved	ug/L	<0.81	10.0	0.81	10/04/24 12:15	
Lead, Dissolved	ug/L	<2.9	10.0	2.9	10/04/24 12:15	
Selenium, Dissolved	ug/L	<5.5	20.0	5.5	10/04/24 12:15	
Silver, Dissolved	ug/L	<0.77	10.0	0.77	10/04/24 12:15	

LABORATORY CONTROL SAMPLE: 5075806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	1050	105	80-120	
Barium, Dissolved	ug/L	1000	1040	104	80-120	
Cadmium, Dissolved	ug/L	1000	1060	106	80-120	
Chromium, Dissolved	ug/L	1000	1010	101	80-120	
Lead, Dissolved	ug/L	1000	1040	104	80-120	
Selenium, Dissolved	ug/L	1000	1080	108	80-120	
Silver, Dissolved	ug/L	500	485	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5075807 5075808

Parameter	Units	10709973001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	1060	1050	106	104	75-125	1	20	
Barium, Dissolved	ug/L	245	1000	1000	1260	1250	101	101	75-125	0	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Chromium, Dissolved	ug/L	ND	1000	1000	993	990	99	99	75-125	0	20	
Lead, Dissolved	ug/L	ND	1000	1000	1020	1010	101	101	75-125	0	20	
Selenium, Dissolved	ug/L	ND	1000	1000	1090	1070	109	107	75-125	1	20	
Silver, Dissolved	ug/L	ND	500	500	491	488	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5075809 5075810

Parameter	Units	10709552003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	0.067J mg/L	1000	1000	966	1020	90	95	75-125	5	20	
Barium, Dissolved	ug/L	13.7J	1000	1000	950	949	94	94	75-125	0	20	
Cadmium, Dissolved	ug/L	2.6 mg/L	1000	1000	3590	3620	100	103	75-125	1	20	
Chromium, Dissolved	ug/L	<0.0081 mg/L	1000	1000	922	920	92	92	75-125	0	20	
Lead, Dissolved	ug/L	0.042J mg/L	1000	1000	998	999	96	96	75-125	0	20	
Selenium, Dissolved	ug/L	<0.055 mg/L	1000	1000	893	936	89	94	75-125	5	20	
Silver, Dissolved	ug/L	<0.0077 mg/L	500	500	440	438	88	88	75-125	1	20	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 972636
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV LL Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802006

METHOD BLANK: 5082713
Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.19	0.50	0.19	10/09/24 11:35	
1,1,1-Trichloroethane	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
1,1,2-Trichloroethane	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
1,1-Dichloroethane	ug/L	<0.23	0.50	0.23	10/09/24 11:35	
1,1-Dichloroethene	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
1,1-Dichloropropene	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
1,2,3-Trichlorobenzene	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
1,2,3-Trichloropropane	ug/L	<0.38	1.0	0.38	10/09/24 11:35	
1,2,4-Trichlorobenzene	ug/L	<0.23	0.50	0.23	10/09/24 11:35	
1,2,4-Trimethylbenzene	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
1,2-Dibromo-3-chloropropane	ug/L	<0.36	1.0	0.36	10/09/24 11:35	
1,2-Dibromoethane (EDB)	ug/L	<0.20	0.50	0.20	10/09/24 11:35	
1,2-Dichlorobenzene	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
1,2-Dichloroethane	ug/L	<0.17	0.50	0.17	10/09/24 11:35	
1,2-Dichloropropane	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
1,3,5-Trimethylbenzene	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
1,3-Dichlorobenzene	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
1,3-Dichloropropane	ug/L	<0.16	0.50	0.16	10/09/24 11:35	
1,4-Dichlorobenzene	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
2,2-Dichloropropane	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
2-Butanone (MEK)	ug/L	<0.93	5.0	0.93	10/09/24 11:35	
2-Chlorotoluene	ug/L	<0.20	0.50	0.20	10/09/24 11:35	
4-Chlorotoluene	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.80	5.0	0.80	10/09/24 11:35	
Acetone	ug/L	<1.9	5.0	1.9	10/09/24 11:35	
Allyl chloride	ug/L	<0.41	1.0	0.41	10/09/24 11:35	
Benzene	ug/L	<0.21	0.50	0.21	10/09/24 11:35	
Bromobenzene	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
Bromochloromethane	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
Bromodichloromethane	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
Bromoform	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
Bromomethane	ug/L	<0.49	1.0	0.49	10/09/24 11:35	
Carbon tetrachloride	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
Chlorobenzene	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
Chloroethane	ug/L	<0.24	0.50	0.24	10/09/24 11:35	
Chloroform	ug/L	<0.23	0.50	0.23	10/09/24 11:35	
Chloromethane	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
cis-1,2-Dichloroethene	ug/L	<0.15	0.50	0.15	10/09/24 11:35	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

METHOD BLANK: 5082713 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.14	0.50	0.14	10/09/24 11:35	
Dibromochloromethane	ug/L	<0.20	0.50	0.20	10/09/24 11:35	
Dibromomethane	ug/L	<0.17	0.50	0.17	10/09/24 11:35	
Dichlorodifluoromethane	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
Dichlorofluoromethane	ug/L	<0.15	0.50	0.15	10/09/24 11:35	
Diethyl ether (Ethyl ether)	ug/L	<0.19	1.0	0.19	10/09/24 11:35	
Ethylbenzene	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
Hexachloro-1,3-butadiene	ug/L	<0.24	0.50	0.24	10/09/24 11:35	
Isopropylbenzene (Cumene)	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
m&p-Xylene	ug/L	<0.42	1.0	0.42	10/09/24 11:35	
Methyl-tert-butyl ether	ug/L	<0.13	0.50	0.13	10/09/24 11:35	
Methylene Chloride	ug/L	<0.44	1.0	0.44	10/09/24 11:35	
n-Butylbenzene	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
n-Propylbenzene	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
Naphthalene	ug/L	<0.18	0.50	0.18	10/09/24 11:35	
o-Xylene	ug/L	<0.18	0.50	0.18	10/09/24 11:35	
p-Isopropyltoluene	ug/L	<0.11	0.50	0.11	10/09/24 11:35	
sec-Butylbenzene	ug/L	<0.20	0.50	0.20	10/09/24 11:35	
Styrene	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
tert-Butylbenzene	ug/L	<0.20	0.50	0.20	10/09/24 11:35	
Tetrachloroethene	ug/L	<0.22	0.50	0.22	10/09/24 11:35	
Tetrahydrofuran	ug/L	<1.4	5.0	1.4	10/09/24 11:35	
Toluene	ug/L	<0.21	0.50	0.21	10/09/24 11:35	
trans-1,2-Dichloroethene	ug/L	<0.14	0.50	0.14	10/09/24 11:35	
trans-1,3-Dichloropropene	ug/L	<0.13	1.0	0.13	10/09/24 11:35	MN
Trichloroethene	ug/L	<0.094	0.20	0.094	10/09/24 11:35	
Trichlorofluoromethane	ug/L	<0.12	0.50	0.12	10/09/24 11:35	
Vinyl chloride	ug/L	<0.075	0.20	0.075	10/09/24 11:35	
Xylene (Total)	ug/L	<0.42	1.5	0.42	10/09/24 11:35	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		10/09/24 11:35	
4-Bromofluorobenzene (S)	%.	101	75-125		10/09/24 11:35	
Toluene-d8 (S)	%.	105	75-125		10/09/24 11:35	

LABORATORY CONTROL SAMPLE & LCSD: 5082714 5082715

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	20.2	100	101	75-125	1	20	
1,1,1-Trichloroethane	ug/L	20	17.9	17.8	90	89	75-125	1	20	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	20.3	102	101	75-131	1	20	
1,1,2-Trichloroethane	ug/L	20	19.8	19.8	99	99	75-125	0	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.1	19.7	101	99	75-125	2	20	
1,1-Dichloroethane	ug/L	20	19.3	19.0	96	95	75-125	2	20	
1,1-Dichloroethene	ug/L	20	19.4	18.9	97	95	75-125	3	20	
1,1-Dichloropropene	ug/L	20	18.8	18.5	94	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE & LCSD: 5082714 5082715

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	18.0	18.8	90	94	68-125	5	20	
1,2,3-Trichloropropane	ug/L	20	18.7	19.4	94	97	75-125	3	20	
1,2,4-Trichlorobenzene	ug/L	20	18.0	18.3	90	92	68-125	2	20	
1,2,4-Trimethylbenzene	ug/L	20	18.6	18.0	93	90	75-125	3	20	
1,2-Dibromo-3-chloropropane	ug/L	20	18.4	17.9	92	90	70-125	3	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.2	19.4	96	97	75-125	1	20	
1,2-Dichlorobenzene	ug/L	20	18.9	18.8	94	94	73-125	1	20	
1,2-Dichloroethane	ug/L	20	18.0	18.0	90	90	75-125	0	20	
1,2-Dichloropropane	ug/L	20	19.6	19.1	98	95	75-125	3	20	
1,3,5-Trimethylbenzene	ug/L	20	19.1	18.7	95	93	75-125	2	20	
1,3-Dichlorobenzene	ug/L	20	18.2	17.8	91	89	75-125	2	20	
1,3-Dichloropropane	ug/L	20	19.2	19.5	96	98	75-125	2	20	
1,4-Dichlorobenzene	ug/L	20	18.8	18.4	94	92	75-125	2	20	
2,2-Dichloropropane	ug/L	20	18.9	19.1	95	96	67-125	1	20	
2-Butanone (MEK)	ug/L	100	103	102	103	102	72-125	0	20	
2-Chlorotoluene	ug/L	20	18.0	17.5	90	87	74-125	3	20	
4-Chlorotoluene	ug/L	20	18.6	17.9	93	90	75-125	4	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	107	104	107	75-125	3	20	
Acetone	ug/L	100	94.2	95.8	94	96	71-125	2	20	
Allyl chloride	ug/L	20	19.0	18.6	95	93	75-125	2	20	
Benzene	ug/L	20	18.8	18.4	94	92	75-125	2	20	
Bromobenzene	ug/L	20	17.5	17.3	88	87	75-125	1	20	
Bromochloromethane	ug/L	20	18.7	18.0	93	90	75-125	4	20	
Bromodichloromethane	ug/L	20	18.2	17.9	91	89	75-125	2	20	
Bromoform	ug/L	20	17.5	18.4	88	92	72-125	5	20	
Bromomethane	ug/L	20	16.4	17.9	82	90	30-150	9	20	
Carbon tetrachloride	ug/L	20	18.6	18.6	93	93	75-125	0	20	
Chlorobenzene	ug/L	20	18.0	17.5	90	88	75-125	3	20	
Chloroethane	ug/L	20	21.9	20.6	109	103	65-140	6	20	
Chloroform	ug/L	20	18.0	17.6	90	88	75-125	2	20	
Chloromethane	ug/L	20	20.1	19.4	100	97	72-127	4	20	
cis-1,2-Dichloroethene	ug/L	20	19.4	18.6	97	93	75-125	4	20	
cis-1,3-Dichloropropene	ug/L	20	20.9	20.5	104	103	75-125	2	20	
Dibromochloromethane	ug/L	20	18.6	18.4	93	92	75-125	1	20	
Dibromomethane	ug/L	20	19.8	20.0	99	100	75-125	1	20	
Dichlorodifluoromethane	ug/L	20	19.4	19.0	97	95	56-146	2	20	
Dichlorofluoromethane	ug/L	20	19.4	19.1	97	96	75-125	1	20	
Diethyl ether (Ethyl ether)	ug/L	20	21.0	20.1	105	101	75-126	4	20	
Ethylbenzene	ug/L	20	18.4	18.0	92	90	75-125	2	20	
Hexachloro-1,3-butadiene	ug/L	20	16.5	16.3	83	82	59-125	1	20	
Isopropylbenzene (Cumene)	ug/L	20	18.6	18.3	93	92	75-125	1	20	
m&p-Xylene	ug/L	40	39.3	38.7	98	97	75-125	2	20	
Methyl-tert-butyl ether	ug/L	20	20.4	20.7	102	103	75-125	1	20	
Methylene Chloride	ug/L	20	19.3	18.6	96	93	73-125	3	20	
n-Butylbenzene	ug/L	20	18.9	18.6	94	93	75-125	2	20	
n-Propylbenzene	ug/L	20	19.8	19.3	99	96	75-125	3	20	
Naphthalene	ug/L	20	19.1	18.9	95	94	65-130	1	20	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE & LCSD: 5082714 5082715

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	20	19.5	19.6	97	98	75-125	0	20	
p-Isopropyltoluene	ug/L	20	18.4	18.0	92	90	74-125	3	20	
sec-Butylbenzene	ug/L	20	19.3	18.9	97	95	75-125	2	20	
Styrene	ug/L	20	18.6	18.7	93	94	75-125	1	20	
tert-Butylbenzene	ug/L	20	18.8	18.3	94	91	75-125	3	20	
Tetrachloroethene	ug/L	20	18.9	19.1	95	95	75-125	1	20	
Tetrahydrofuran	ug/L	100	110	111	110	111	75-125	1	20	
Toluene	ug/L	20	18.9	18.5	95	93	75-125	2	20	
trans-1,2-Dichloroethene	ug/L	20	18.3	18.6	91	93	75-125	1	20	
trans-1,3-Dichloropropene	ug/L	20	19.5	19.4	97	97	75-125	0	20	
Trichloroethene	ug/L	20	17.7	17.4	89	87	75-125	2	20	
Trichlorofluoromethane	ug/L	20	19.3	18.8	96	94	75-128	2	20	
Vinyl chloride	ug/L	20	19.4	18.9	97	95	69-130	3	20	
Xylene (Total)	ug/L	60	58.8	58.3	98	97	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				98	98	75-125			
4-Bromofluorobenzene (S)	%.				97	100	75-125			
Toluene-d8 (S)	%.				98	98	75-125			

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 971121
QC Batch Method: EPA 3511
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH by SIM MSSV LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

METHOD BLANK: 5074857 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/L	<0.000015	0.000040	0.000015	10/03/24 11:44	
Acenaphthylene	mg/L	<0.000011	0.000040	0.000011	10/03/24 11:44	
Anthracene	mg/L	<0.000015	0.000040	0.000015	10/03/24 11:44	
Benzo(a)anthracene	mg/L	<0.000013	0.000040	0.000013	10/03/24 11:44	
Benzo(a)pyrene	mg/L	<0.000014	0.000040	0.000014	10/03/24 11:44	
Benzo(b)fluoranthene	mg/L	<0.000014	0.000040	0.000014	10/03/24 11:44	
Benzo(g,h,i)perylene	mg/L	<0.000014	0.000040	0.000014	10/03/24 11:44	
Benzo(k)fluoranthene	mg/L	<0.000013	0.000040	0.000013	10/03/24 11:44	
Chrysene	mg/L	<0.000013	0.000040	0.000013	10/03/24 11:44	
Dibenz(a,h)anthracene	mg/L	<0.000016	0.000040	0.000016	10/03/24 11:44	
Fluoranthene	mg/L	<0.000016	0.000040	0.000016	10/03/24 11:44	
Fluorene	mg/L	<0.000017	0.000040	0.000017	10/03/24 11:44	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000016	0.000040	0.000016	10/03/24 11:44	
Naphthalene	mg/L	0.000037J	0.000040	0.000019	10/03/24 11:44	
Phenanthrene	mg/L	<0.000013	0.000040	0.000013	10/03/24 11:44	
Pyrene	mg/L	<0.000016	0.000040	0.000016	10/03/24 11:44	
2-Fluorobiphenyl (S)	%.	107	44-140		10/03/24 11:44	
p-Terphenyl-d14 (S)	%.	124	45-133		10/03/24 11:44	

LABORATORY CONTROL SAMPLE: 5074858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/L	0.002	0.0017	87	60-129	
Acenaphthylene	mg/L	0.002	0.0018	90	46-132	
Anthracene	mg/L	0.002	0.0018	89	64-133	
Benzo(a)anthracene	mg/L	0.002	0.0019	93	58-125	
Benzo(a)pyrene	mg/L	0.002	0.0017	84	44-125	
Benzo(b)fluoranthene	mg/L	0.002	0.0017	85	55-125	
Benzo(g,h,i)perylene	mg/L	0.002	0.0016	82	46-125	
Benzo(k)fluoranthene	mg/L	0.002	0.0017	85	63-125	
Chrysene	mg/L	0.002	0.0017	84	60-125	
Dibenz(a,h)anthracene	mg/L	0.002	0.0017	87	42-125	
Fluoranthene	mg/L	0.002	0.0017	87	56-125	
Fluorene	mg/L	0.002	0.0018	88	51-136	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0017	83	41-125	
Naphthalene	mg/L	0.002	0.0017	87	58-125	
Phenanthrene	mg/L	0.002	0.0017	87	63-131	
Pyrene	mg/L	0.002	0.0017	84	62-125	
2-Fluorobiphenyl (S)	%.			84	44-140	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE: 5074858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			85	45-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5074879 5074880

Parameter	Units	10709807003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	89	90	30-150	1	30	
Acenaphthylene	mg/L	ND	0.0019	0.0019	0.0017	0.0018	91	92	41-132	1	30	
Anthracene	mg/L	0.043 ug/L	0.0019	0.0019	0.0018	0.0018	91	93	44-144	2	30	
Benzo(a)anthracene	mg/L	ND	0.0019	0.0019	0.0018	0.0018	92	93	50-126	1	30	
Benzo(a)pyrene	mg/L	ND	0.0019	0.0019	0.0016	0.0016	84	83	44-125	0	30	
Benzo(b)fluoranthene	mg/L	ND	0.0019	0.0019	0.0016	0.0016	84	85	48-125	1	30	
Benzo(g,h,i)perylene	mg/L	ND	0.0019	0.0019	0.0015	0.0015	79	80	44-125	1	30	
Benzo(k)fluoranthene	mg/L	ND	0.0019	0.0019	0.0017	0.0016	86	86	46-129	1	30	
Chrysene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	87	86	49-128	0	30	
Dibenz(a,h)anthracene	mg/L	ND	0.0019	0.0019	0.0016	0.0016	84	82	41-125	1	30	
Fluoranthene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	90	90	49-127	1	30	
Fluorene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	90	91	33-144	1	30	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0019	0.0019	0.0015	0.0015	80	79	41-125	0	30	
Naphthalene	mg/L	0.043 ug/L	0.0019	0.0019	0.0018	0.0018	90	90	39-131	1	30	
Phenanthrene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	88	90	48-137	2	30	
Pyrene	mg/L	ND	0.0019	0.0019	0.0017	0.0017	87	87	47-130	1	30	
2-Fluorobiphenyl (S)	%.						89	90	44-140			
p-Terphenyl-d14 (S)	%.						88	86	45-133			

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 971393
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO Reduced Volume GCS w/Cleanup
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

METHOD BLANK: 5076106 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/L	0.063J	0.10	0.035	10/11/24 12:31	P8
n-Triacontane (S)	%.	115	70-130		10/11/24 12:31	

LABORATORY CONTROL SAMPLE & LCSD: 5076107 5076108

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/L	2	1.8	1.9	88	96	70-130	8	20	
n-Triacontane (S)	%.				96	105	70-130			

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

QC Batch: 974114
QC Batch Method: EPA 1633 DRAFT
Analysis Method: EPA 1633 DRAFT
Analysis Description: 1633 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802005, 10709802006

METHOD BLANK: 5091341
Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802005, 10709802006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.73	3.8	0.73	10/20/24 00:42	
3:3 FTCA	ng/L	<2.2	4.7	2.2	10/20/24 00:42	
4:2 FTS	ng/L	<0.45	3.8	0.45	10/20/24 00:42	
5:3 FTCA	ng/L	<4.6	23.6	4.6	10/20/24 00:42	
6:2 FTS	ng/L	<0.92	3.8	0.92	10/20/24 00:42	
7:3 FTCA	ng/L	<4.9	23.6	4.9	10/20/24 00:42	
8:2 FTS	ng/L	<0.99	3.8	0.99	10/20/24 00:42	
9Cl-PF3ONS	ng/L	<0.78	3.8	0.78	10/20/24 00:42	
ADONA	ng/L	0.86J	3.8	0.55	10/20/24 00:42	
HFPO-DA	ng/L	<0.73	3.8	0.73	10/20/24 00:42	
NEtFOSA	ng/L	<0.24	0.94	0.24	10/20/24 00:42	
NEtFOSAA	ng/L	<0.33	0.94	0.33	10/20/24 00:42	
NEtFOSE	ng/L	<3.0	9.4	3.0	10/20/24 00:42	
NFDHA	ng/L	<0.53	1.9	0.53	10/20/24 00:42	
NMeFOSA	ng/L	<0.25	0.94	0.25	10/20/24 00:42	
NMeFOSAA	ng/L	<0.30	0.94	0.30	10/20/24 00:42	
NMeFOSE	ng/L	<2.5	9.4	2.5	10/20/24 00:42	
PFBA	ng/L	<0.58	3.8	0.58	10/20/24 00:42	
PFBS	ng/L	<0.30	0.94	0.30	10/20/24 00:42	
PFDA	ng/L	<0.17	0.94	0.17	10/20/24 00:42	
PFDoA	ng/L	<0.21	0.94	0.21	10/20/24 00:42	
PFDoS	ng/L	<0.26	0.94	0.26	10/20/24 00:42	
PFDS	ng/L	<0.25	0.94	0.25	10/20/24 00:42	
PFEESA	ng/L	<0.30	1.9	0.30	10/20/24 00:42	
PFHpA	ng/L	<0.20	0.94	0.20	10/20/24 00:42	
PFHpS	ng/L	<0.23	0.94	0.23	10/20/24 00:42	
PFHxA	ng/L	<0.14	0.94	0.14	10/20/24 00:42	
PFHxS	ng/L	<0.24	0.94	0.24	10/20/24 00:42	
PFMBA	ng/L	<0.30	1.9	0.30	10/20/24 00:42	
PFMPA	ng/L	<0.46	1.9	0.46	10/20/24 00:42	
PFNA	ng/L	<0.22	0.94	0.22	10/20/24 00:42	
PFNS	ng/L	<0.23	0.94	0.23	10/20/24 00:42	
PFOA	ng/L	<0.32	0.94	0.32	10/20/24 00:42	
PFOS	ng/L	<0.16	0.94	0.16	10/20/24 00:42	
PFOSA	ng/L	<0.22	0.94	0.22	10/20/24 00:42	
PFPeA	ng/L	<0.28	1.9	0.28	10/20/24 00:42	
PFPeS	ng/L	<0.17	0.94	0.17	10/20/24 00:42	
PFTeDA	ng/L	<0.27	0.94	0.27	10/20/24 00:42	
PFTrDA	ng/L	<0.19	0.94	0.19	10/20/24 00:42	
PFUnA	ng/L	<0.24	0.94	0.24	10/20/24 00:42	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

METHOD BLANK: 5091341 Matrix: Water
Associated Lab Samples: 10709802001, 10709802002, 10709802003, 10709802004, 10709802005, 10709802006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
13C2-PFDoA (S)	%.	90	10-130		10/20/24 00:42	
13C2-PFTA (S)	%.	89	10-130		10/20/24 00:42	
13C24:2FTS (S)	%.	146	40-200		10/20/24 00:42	
13C26:2FTS (S)	%.	156	40-200		10/20/24 00:42	
13C28:2FTS (S)	%.	147	40-300		10/20/24 00:42	
13C3-PFBS (S)	%.	99	40-135		10/20/24 00:42	
13C3-PFHxS (S)	%.	99	40-130		10/20/24 00:42	
13C3HFPO-DA (S)	%.	96	40-130		10/20/24 00:42	
13C4-PFBA (S)	%.	93	5-130		10/20/24 00:42	
13C4-PFHpA (S)	%.	94	40-130		10/20/24 00:42	
13C5-PFHxA (S)	%.	95	40-130		10/20/24 00:42	
13C5-PFPeA (S)	%.	97	40-130		10/20/24 00:42	
13C6-PFDA (S)	%.	96	40-130		10/20/24 00:42	
13C7-PFUdA (S)	%.	94	30-130		10/20/24 00:42	
13C8-PFOA (S)	%.	95	40-130		10/20/24 00:42	
13C8-PFOS (S)	%.	98	40-130		10/20/24 00:42	
13C8-PFOSA (S)	%.	95	40-130		10/20/24 00:42	
13C9-PFNA (S)	%.	94	40-130		10/20/24 00:42	
d3-MeFOSAA (S)	%.	96	40-170		10/20/24 00:42	
d3-NMeFOSA (S)	%.	82	10-130		10/20/24 00:42	
d5-EtFOSAA (S)	%.	102	25-135		10/20/24 00:42	
d5-NEtFOSA (S)	%.	87	10-130		10/20/24 00:42	
d7-NMeFOSE (S)	%.	99	10-130		10/20/24 00:42	
d9-NEtFOSE (S)	%.	100	10-130		10/20/24 00:42	

LABORATORY CONTROL SAMPLE & LCSD: 5091342 5091343

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	89.1	79.8	79.8	90	89	55-160	0	30	
3:3 FTCA	ng/L	118	120	120	102	101	65-130	0	30	
4:2 FTS	ng/L	88.5	89.3	88.2	101	99	70-145	1	30	
5:3 FTCA	ng/L	590	546	547	93	92	70-135	0	30	
6:2 FTS	ng/L	89.7	91.8	89.6	102	100	65-155	2	30	
7:3 FTCA	ng/L	590	541	539	92	91	50-145	0	30	
8:2 FTS	ng/L	90.9	97.1	89.3	107	98	60-150	8	30	
9Cl-PF3ONS	ng/L	88.5	82.4	86.3	93	97	70-155	5	30	
ADONA	ng/L	89.1	76.1	80.7	85	90	65-145	6	30	
HFPO-DA	ng/L	94.4	84.8	86.7	90	91	70-140	2	30	
NEtFOSA	ng/L	23.6	20.9	20.1	89	85	65-145	4	30	
NEtFOSAA	ng/L	23.6	21.8	21.2	92	90	70-145	3	30	
NEtFOSE	ng/L	236	225	220	95	93	70-135	2	30	
NFDHA	ng/L	47.2	46.7	44.9	99	95	50-150	4	30	
NMeFOSA	ng/L	23.6	21.0	21.2	89	89	60-150	1	30	
NMeFOSAA	ng/L	23.6	22.7	22.8	96	96	50-140	0	30	

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(612)607-1700

QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE & LCSD: 5091342 5091343

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
NMeFOSE	ng/L	236	225	221	95	93	70-145	1	30	
PFBA	ng/L	94.4	88.4	92.5	94	98	70-140	4	30	
PFBS	ng/L	20.9	20.3	19.7	97	94	60-145	3	30	
PFDA	ng/L	23.6	22.2	21.6	94	91	70-140	3	30	
PFDoA	ng/L	23.6	22.6	22.6	96	95	70-140	0	30	
PFDoS	ng/L	22.9	20.6	19.1	90	83	50-145	8	30	
PFDS	ng/L	22.8	20.1	19.0	88	83	60-145	6	30	
PFEESA	ng/L	42	40.8	39.6	97	94	70-140	3	30	
PFHpA	ng/L	23.6	22.9	22.8	97	96	70-150	0	30	
PFHpS	ng/L	22.5	22.3	21.7	99	96	70-150	3	30	
PFHxA	ng/L	23.6	22.0	21.9	93	92	70-145	0	30	
PFHxS	ng/L	21.6	20.5	19.2	95	88	65-145	7	30	
PFMBA	ng/L	47.2	44.9	42.6	95	90	60-150	5	30	
PFMPA	ng/L	47.2	42.8	40.5	91	86	55-140	5	30	
PFNA	ng/L	23.6	22.9	22.1	97	93	70-150	4	30	
PFNS	ng/L	22.7	20.5	20.0	90	88	65-145	2	30	
PFOA	ng/L	23.6	21.7	21.5	92	91	70-150	1	30	
PFOS	ng/L	21.9	20.4	19.8	93	90	55-150	3	30	
PFOSA	ng/L	23.6	22.6	22.2	96	94	70-145	2	30	
PFPeA	ng/L	47.2	45.9	44.8	97	94	65-135	2	30	
PFPeS	ng/L	22.2	22.3	20.4	100	91	65-140	9	30	
PFTeDA	ng/L	23.6	23.3	22.5	99	95	60-140	4	30	
PFTrDA	ng/L	23.6	23.0	22.6	97	95	65-140	2	30	
PFUnA	ng/L	23.6	23.0	22.5	97	95	70-145	2	30	
13C2-PFDoA (S)	%.				89	85	10-130			
13C2-PFTA (S)	%.				87	87	10-130			
13C24:2FTS (S)	%.				125	121	40-200			
13C26:2FTS (S)	%.				136	137	40-200			
13C28:2FTS (S)	%.				125	134	40-300			
13C3-PFBS (S)	%.				95	96	40-135			
13C3-PFHxS (S)	%.				94	99	40-130			
13C3HFPO-DA (S)	%.				94	92	40-130			
13C4-PFBA (S)	%.				93	89	5-130			
13C4-PFHpA (S)	%.				91	90	40-130			
13C5-PFHxA (S)	%.				92	91	40-130			
13C5-PFPeA (S)	%.				93	93	40-130			
13C6-PFDA (S)	%.				92	94	40-130			
13C7-PFUdA (S)	%.				93	93	30-130			
13C8-PFOA (S)	%.				93	95	40-130			
13C8-PFOS (S)	%.				96	95	40-130			
13C8-PFOSA (S)	%.				90	89	40-130			
13C9-PFNA (S)	%.				93	91	40-130			
d3-MeFOSAA (S)	%.				92	91	40-170			
d3-NMeFOSA (S)	%.				82	81	10-130			
d5-EtFOSAA (S)	%.				96	96	25-135			
d5-NEtFOSA (S)	%.				83	85	10-130			
d7-NMeFOSE (S)	%.				92	91	10-130			

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE & LCSD: 5091342 5091343

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
d9-NEtFOSE (S)	%.				95	95	10-130			

LABORATORY CONTROL SAMPLE: 5091344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ng/L	7.5	6.2	82	55-160	
3:3 FTCA	ng/L	10	9.1	91	65-130	
4:2 FTS	ng/L	7.5	6.7	90	70-145	
5:3 FTCA	ng/L	50	41.8	84	70-135	
6:2 FTS	ng/L	7.6	6.7	88	65-155	
7:3 FTCA	ng/L	50	45.6	91	50-145	
8:2 FTS	ng/L	7.7	7.3	95	60-150	
9Cl-PF3ONS	ng/L	7.5	6.4	85	70-155	
ADONA	ng/L	7.5	7.0	93	65-145	
HFPO-DA	ng/L	8	7.3	92	70-140	
NEtFOSA	ng/L	2	1.6	79	65-145	
NEtFOSAA	ng/L	2	1.6	80	70-145	
NEtFOSE	ng/L	20	17.2	86	70-135	
NFDHA	ng/L	4	3.6	90	50-150	
NMeFOSA	ng/L	2	1.7	87	60-150	
NMeFOSAA	ng/L	2	2.0	101	50-140	
NMeFOSE	ng/L	20	17.3	87	70-145	
PFBA	ng/L	8	7.1	89	70-140	
PFBS	ng/L	1.8	1.6	90	60-145	
PFDA	ng/L	2	1.8	92	70-140	
PFDoA	ng/L	2	1.7	86	70-140	
PFDoS	ng/L	1.9	1.6	81	50-145	
PFDS	ng/L	1.9	1.7	88	60-145	
PFEESA	ng/L	3.6	3.2	89	70-140	
PFHpA	ng/L	2	1.8	89	70-150	
PFHpS	ng/L	1.9	1.8	93	70-150	
PFHxA	ng/L	2	1.9	94	70-145	
PFHxS	ng/L	1.8	1.6	90	65-145	
PFMBA	ng/L	4	3.5	88	60-150	
PFMPA	ng/L	4	3.5	88	55-140	
PFNA	ng/L	2	1.7	83	70-150	
PFNS	ng/L	1.9	1.8	95	65-145	
PFOA	ng/L	2	1.8	91	70-150	
PFOS	ng/L	1.9	1.7	89	55-150	
PFOSA	ng/L	2	1.7	87	70-145	
PFPeA	ng/L	4	3.6	89	65-135	
PFPeS	ng/L	1.9	1.7	91	65-140	
PFTeDA	ng/L	2	1.7	87	60-140	
PFTrDA	ng/L	2	1.6	82	65-140	
PFUnA	ng/L	2	1.7	84	70-145	

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QUALITY CONTROL DATA

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

LABORATORY CONTROL SAMPLE: 5091344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C2-PFDoA (S)	%.			84	10-130	
13C2-PFTA (S)	%.			78	10-130	
13C24:2FTS (S)	%.			138	40-200	
13C26:2FTS (S)	%.			148	40-200	
13C28:2FTS (S)	%.			135	40-300	
13C3-PFBS (S)	%.			97	40-135	
13C3-PFHxS (S)	%.			95	40-130	
13C3HFPO-DA (S)	%.			95	40-130	
13C4-PFBA (S)	%.			94	5-130	
13C4-PFHpA (S)	%.			92	40-130	
13C5-PFHxA (S)	%.			94	40-130	
13C5-PFPeA (S)	%.			96	40-130	
13C6-PFDA (S)	%.			89	40-130	
13C7-PFUdA (S)	%.			90	30-130	
13C8-PFOA (S)	%.			92	40-130	
13C8-PFOS (S)	%.			91	40-130	
13C8-PFOSA (S)	%.			90	40-130	
13C9-PFNA (S)	%.			91	40-130	
d3-MeFOSAA (S)	%.			91	40-170	
d3-NMeFOSA (S)	%.			82	10-130	
d5-EtFOSAA (S)	%.			95	25-135	
d5-NEtFOSA (S)	%.			87	10-130	
d7-NMeFOSE (S)	%.			94	10-130	
d9-NEtFOSE (S)	%.			97	10-130	

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QUALIFIERS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 971431

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 972636

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Bromomethane and dichlorofluoromethane did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

ANALYTE QUALIFIERS

1M	Result by reanalysis conducted outside of the method specified holding time does not confirm in hold results.
2M	Post analysis pH measurement indicates insufficient VOA sample preservation. Therefore, analysis was conducted outside the recognized method holding time.
3M	Result by reanalysis conducted outside of the method specified holding time does not confirm in hold results.
4M	Sample detection may be due to laboratory contamination.
A5	Greater than 5% sediment in sample determined by visual observation. Aqueous portion decanted from the sediment and extracted. The sample container could not be rinsed with solvent per the method requirement.
G-	Early peaks present outside the GRO window.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

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QUALIFIERS

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

ANALYTE QUALIFIERS

P8	Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B2404524.00 Festal Farms-Revised Report
Pace Project No.: 10709802

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10709802001	**PP-1**	WI MOD DRO	971393	WI MOD DRO	973110
10709802002	**PP-2**	WI MOD DRO	971393	WI MOD DRO	973110
10709802003	**PP-3**	WI MOD DRO	971393	WI MOD DRO	973110
10709802004	**PP-4**	WI MOD DRO	971393	WI MOD DRO	973110
10709802001	**PP-1**	WI MOD GRO	971431		
10709802002	**PP-2**	WI MOD GRO	971431		
10709802003	**PP-3**	WI MOD GRO	971431		
10709802004	**PP-4**	WI MOD GRO	971431		
10709802006	**Trip Blank**	WI MOD GRO	971431		
10709802001	**PP-1**	EPA 3010A	971294	EPA 6010D	971621
10709802002	**PP-2**	EPA 3010A	971294	EPA 6010D	971621
10709802003	**PP-3**	EPA 3010A	971294	EPA 6010D	971621
10709802004	**PP-4**	EPA 3010A	971294	EPA 6010D	971621
10709802001	**PP-1**	EPA 7470A	971306	EPA 7470A	971630
10709802002	**PP-2**	EPA 7470A	971306	EPA 7470A	971630
10709802003	**PP-3**	EPA 7470A	971306	EPA 7470A	971630
10709802004	**PP-4**	EPA 7470A	971306	EPA 7470A	971630
10709802001	**PP-1**	EPA 3511	971121	EPA 8270E by SIM	971351
10709802002	**PP-2**	EPA 3511	971121	EPA 8270E by SIM	971351
10709802003	**PP-3**	EPA 3511	971121	EPA 8270E by SIM	971351
10709802004	**PP-4**	EPA 3511	971121	EPA 8270E by SIM	971351
10709802001	**PP-1**	EPA 8260D	972636		
10709802002	**PP-2**	EPA 8260D	972636		
10709802003	**PP-3**	EPA 8260D	972636		
10709802004	**PP-4**	EPA 8260D	972636		
10709802006	**Trip Blank**	EPA 8260D	972636		
10709802001	**PP-1**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857
10709802002	**PP-2**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857
10709802003	**PP-3**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857
10709802004	**PP-4**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857
10709802005	**Equipment Blank**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857
10709802006	**Trip Blank**	EPA 1633 DRAFT	974114	EPA 1633 DRAFT	974857

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CHAIN-OF-CUSTODY

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WO#: 10709802

10709802

Page: 1 of 1

Section A
Required Client Information:

Company:	Braun Intertec
Address:	3900 Roosevelt Rd, Suite 113
	Saint Cloud, MN
Email To:	avolker@braunintertec.com
Phone: 320.980.6461	Fax:
Requested Due Date/TAT:	Standard

Section B
Required Project Information:

Report To:	Aaron Volker
Copy To:	
Purchase Order No.:	
Project Name:	Festal Farms
Project Number:	B2404524.00

Section C
Invoice Information:

Attention:	
Company Name:	Braun Intertec
Address:	same
Pace Quote Reference:	
Pace Project Manager:	Brenna Bloome
Pace Profile #:	Prelog 3156254

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) DRO w/ silica gel (WDNR)	VOCs (8260)	GRO (WNDR)	PFAS (1633)	8RCRA (dissolved - 6010)	PAHs (8270)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PP-1	Wt	G	—	—	9/25/24	10:45		14	X		X	X					X	X	X	X	X	X		col
2	PP-2	Wt	G	—	—	↓	14:05		14	X		X	X					X	X	X	X	X	X		col
3	PP-3	Wt	G	—	—		13:10		14	X		X	X					X	X	X	X	X	X		col
4	PP-4	Wt	G	—	—		12:10		14	X		X	X					X	X	X	X	X	X		col
5	Equipment Blank	Wt	G	—	—		10:10		3	X											X				col
6	Trip Blank	Wt	G	—	—	↓	8:00		6	X			X						X	X	X				col
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
8RCRA analysis filtered in the field	Cooper Ling / Braun	9/26/24	16:00	[signature] / Pace	9/27/24	1000
[signature] / Pace	[signature] / Pace	9/27/24	1000	[signature] / Pace	9/27/24	1115
	[signature] / Pace	9/27/24	1208	[signature]	9/30/24	1208
					9/27/24	

SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		Y	N	Y
	1.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Cooper Ling

SIGNATURE of SAMPLER: [signature] MTR 9/30/24

DATE Signed (MM/DD/YY): 9/26/24

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

EZ 3156254

ENV-FRM-MIN4-0150 v17_Sample Condition Upon Receipt

CLIENT NAME: Braun Intertec **PROJECT #:**

WO#: 10709802
PM: BGB **Due Date: 10/08/24**
CLIENT: Braun-BLM

COURIER: ☐ Client ☐ Commercial ☐ FedEx ☒ Pace ☐ SpeeDee ☐ UPS ☐ USPS

TRACKING NUMBER: _____ ☐ See Exceptions form ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present: ☐ YES ☒ NO **Seals Intact:** ☐ YES ☒ NO **Biological Tissue Frozen:** ☐ YES ☐ NO ☒ N/A

Packing Material: ☒ Bubble Bags ☒ Bubble Wrap ☐ None ☐ Other **Temp Blank:** ☒ YES ☐ NO **Type of Ice:** ☐ Blue ☐ Dry ☒ Wet ☐ Melted ☐ None

Thermometer: ☐ T1 (0461) ☐ T2 (0436) ☒ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710)

Did Samples Originate in West Virginia: ☐ YES ☒ NO

Correction Factor: -0.1 **Cooler Temp Read w/Temp Blank:** 1.4 °C
Cooler Temp Corrected w/Temp Blank: 1.3 °C
NOTE: *Temp should be above freezing to 6°C.*

Were All Container Temps taken: ☐ YES ☐ NO ☒ N/A
Average Corrected Temp (no Temp Blank Only): _____ °C
☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☒ N/A – Water Sample/Other (describe): _____
Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☐ NO

Initials & Date of Person Examining Contents: MLL 9/30/24
Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out?	☒	☐		1.
Chain of Custody Relinquished?	☒	☐		2.
Sampler Name and/or Signature on COC?	☒	☐	☐	3.
Samples Arrived within Hold Time?	☒	☐		4. If Fecal: ☐ <8 hrs ☐ >8 hr, <24 hr ☐ No
Short Hold Time Analysis (<72 hr)?	☐	☒		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Other: _____
Rush Turn Around Time Requested?	☐	☒		6.
Sufficient Sample Volume?	☒	☐		7.
Correct Containers Used?	☒	☐	☐	8.
– Pace Containers Used?	☒	☐		
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☒	☐	☐	10. Is sediment visible in the dissolved container: ☐ YES ☒ NO
Is sufficient information available to reconcile the samples to the COC? **NOTE:** If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other	☒	☐		11. **If NO, write ID/Date/Time of container below:** ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☒	☐	☐	12. Sample #: 1-4
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☒	☐	☐	☒ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ Zinc Acetate
Exceptions: VOA, coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☒	☐	☐	Positive for Residual Chlorine: ☐ YES ☐ NO
NOTE: If adding preservation to the container, **verify with the PM first.** Clients may require adding preservative to the field and equipment blanks when this occurs.				**pH Paper Lot #** Residual Chlorine: 0-6 Roll: 205224; 0-6 Strip: ; 0-14 Strip: ☐ See Exceptions form ENV-FRM-MIN4-0142
Headspace in Methyl Mercury Container?	☐	☐	☒	13.
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☒	☐	☐	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☒	☐	☐	15. YES
Trip Blank Custody Seals Present?	☒	☐	☐	Pace Trip Blank Lot # (if purchased): 482593

CLIENT NOTIFICATION / RESOLUTION **FIELD DATA REQUIRED:** ☐ YES ☐ NO

Person Contacted: _____ Date & Time: _____

Comments / Resolution: _____

Project Manager Review: Sydni Harrison **Date:** 10/01/2024

NOTE: *When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).*

Labeled By: MLL **Line:** 2

Sample ID	Headspace > 6 mm	Headspace < 6 mm	No Headspace	Total Vials	Sediment Present?
PP-4	1	1	4	6	Y

Initials & Date: _____

Service Center Transfer Checklist

Service Center: MPLS ☐ BLM ☒ AZ ☐ MT ☐

Client: Braun Intertec

Destination Lab:

MPLS ☒ Duluth ☐ National ☐ Other ☐

Received w/ Custody Seal? Yes ☐ No ☒

Custody Seal Intact? Yes ☐ No ☒

Temperature °C:

Temp Read	Corr. Factor	Corr. Temp
7.5	SUB 0.7	6.8

IR Gun: G87A9205200775 (T8) ☒ Samples on ice, in cool down

Rush ☐ **Short Hold** ☐ **N/A** ☒

Containers Intact? Yes ☒ No ☐

Repacked and Re-Iced? Yes ☐ No ☒

Notes:

No Temp Blank Section

Read Temp	Corr. Temp	Avg. Temp

9/27/24

AS

Data File: \\v10wintarget\chem\10gcsL.i\101124F.b\1011F0000047.D

Date : 11-OCT-2024 12:54

Client ID: PP-1

Instrument: 10gcsL.i

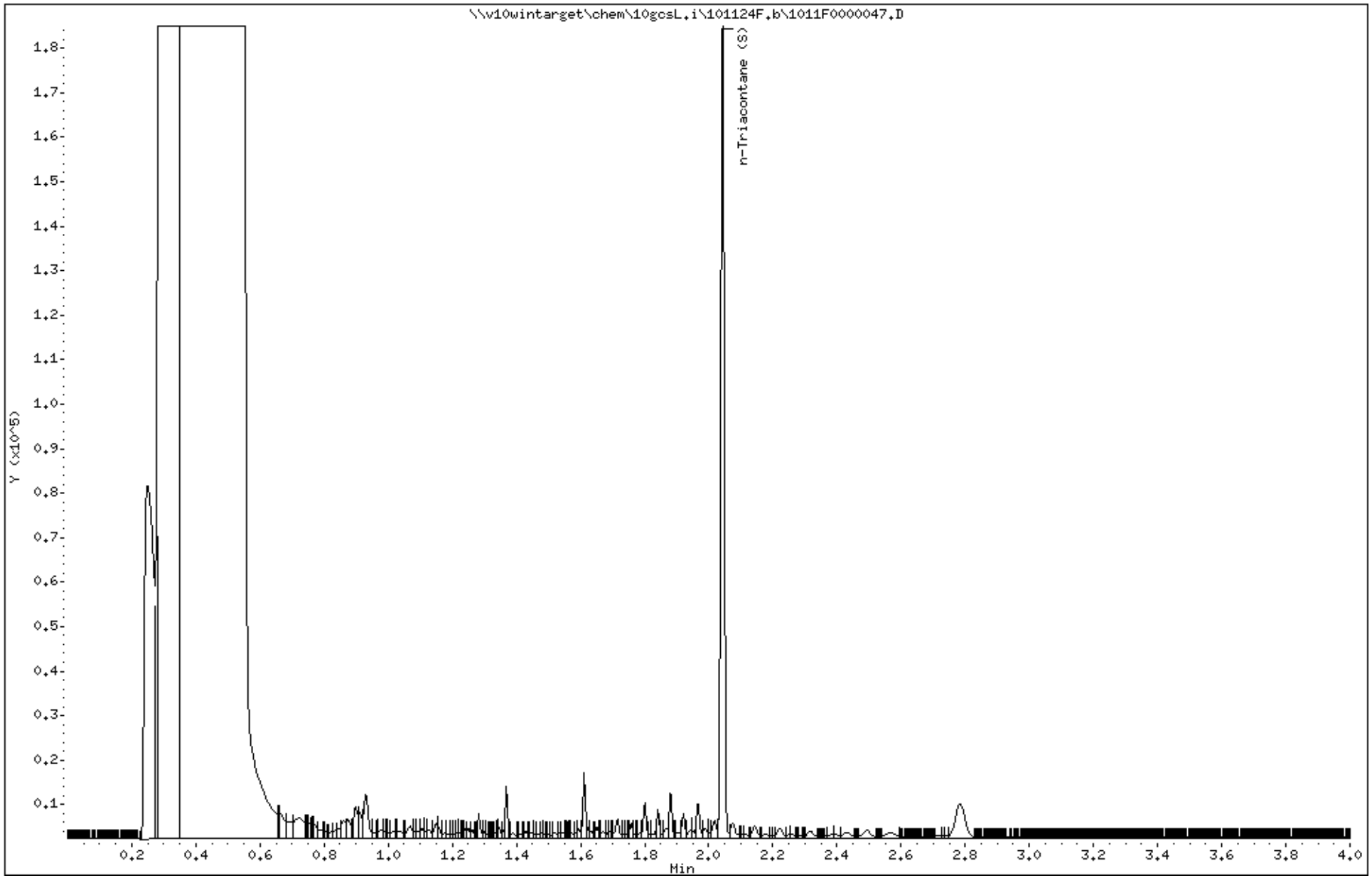
Sample Info: 10709802001

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US23410014

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsL.i\101124F.b\1011F0000048.D

Date : 11-OCT-2024 13:01

Client ID: PP-2

Instrument: 10gcsL.i

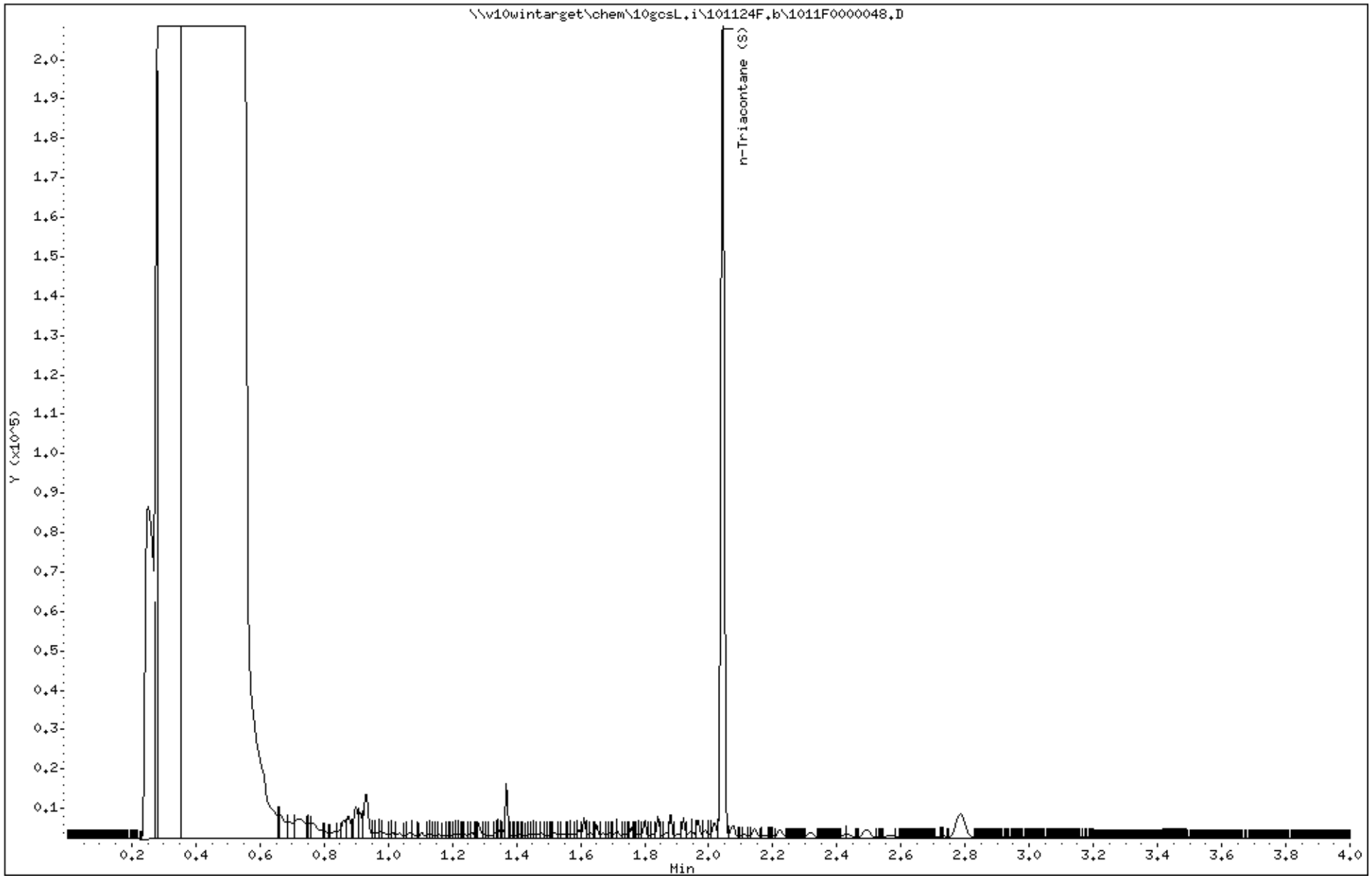
Sample Info: 10709802002

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US23410014

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsL.i\101124F.b\1011F0000049.D

Date : 11-OCT-2024 13:09

Client ID: PP-3

Instrument: 10gcsL.i

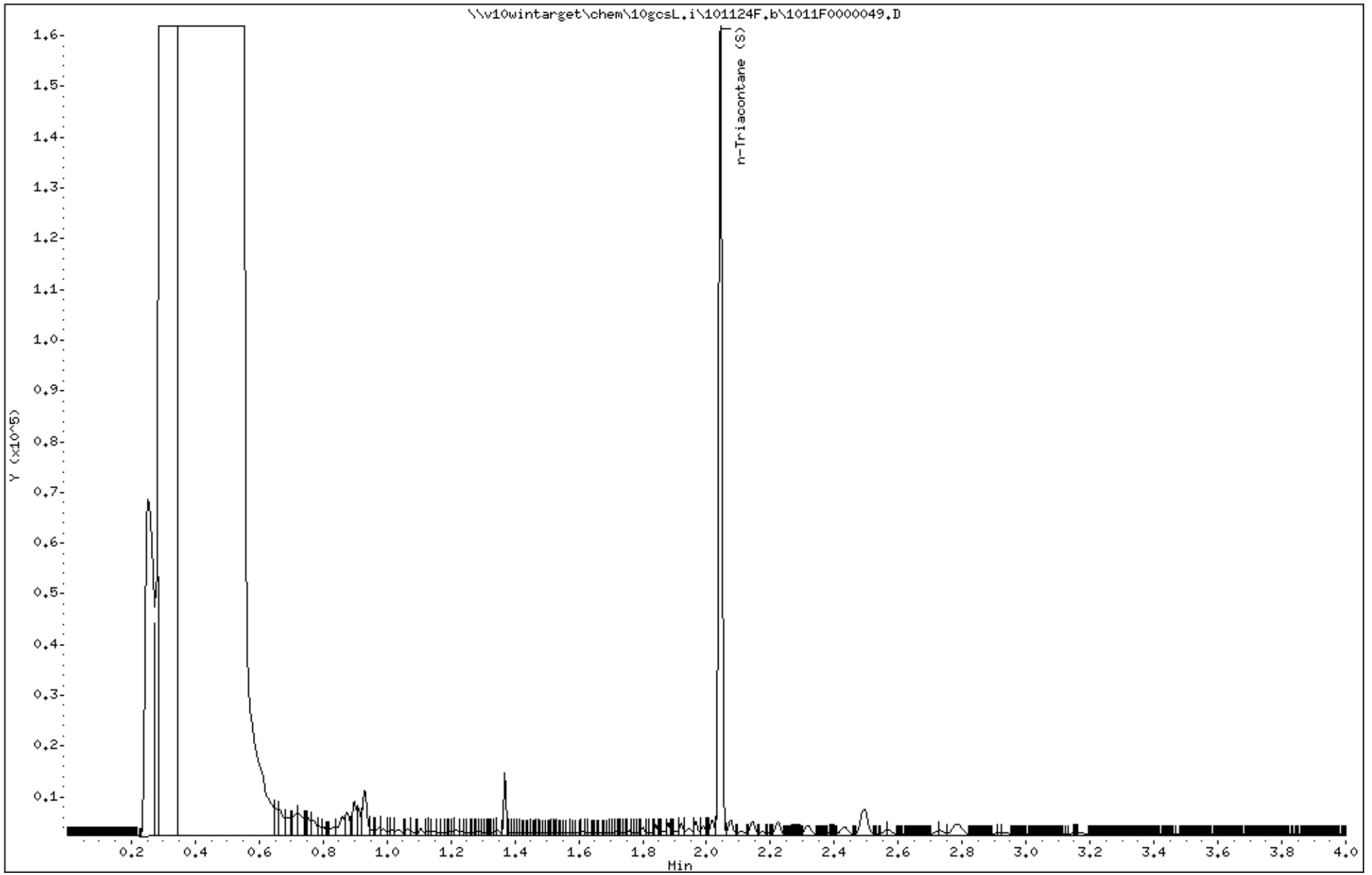
Sample Info: 10709802003

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US23410014

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsL.i\101124F.b\1011F0000046.D

Date : 11-OCT-2024 12:46

Client ID: PP-4

Instrument: 10gcsL.i

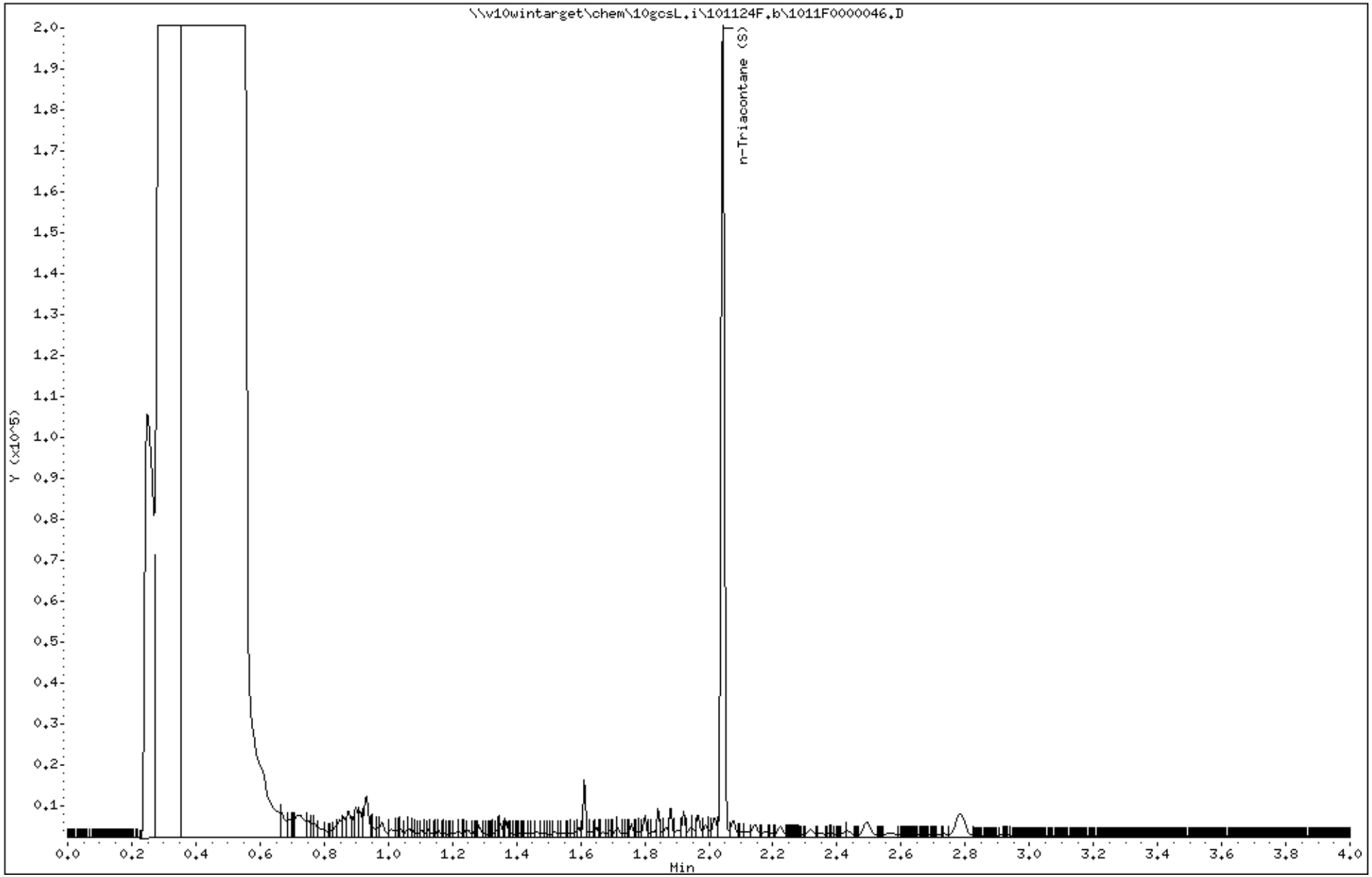
Sample Info: 10709802004

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US23410014

Column diameter: 0.32



Data File: \\w10wintarget\chem\10gcv9.i\100224.b\10020033.D

Date : 03-OCT-2024 02:31

Client ID: PP-1

Instrument: 10gcv9.i

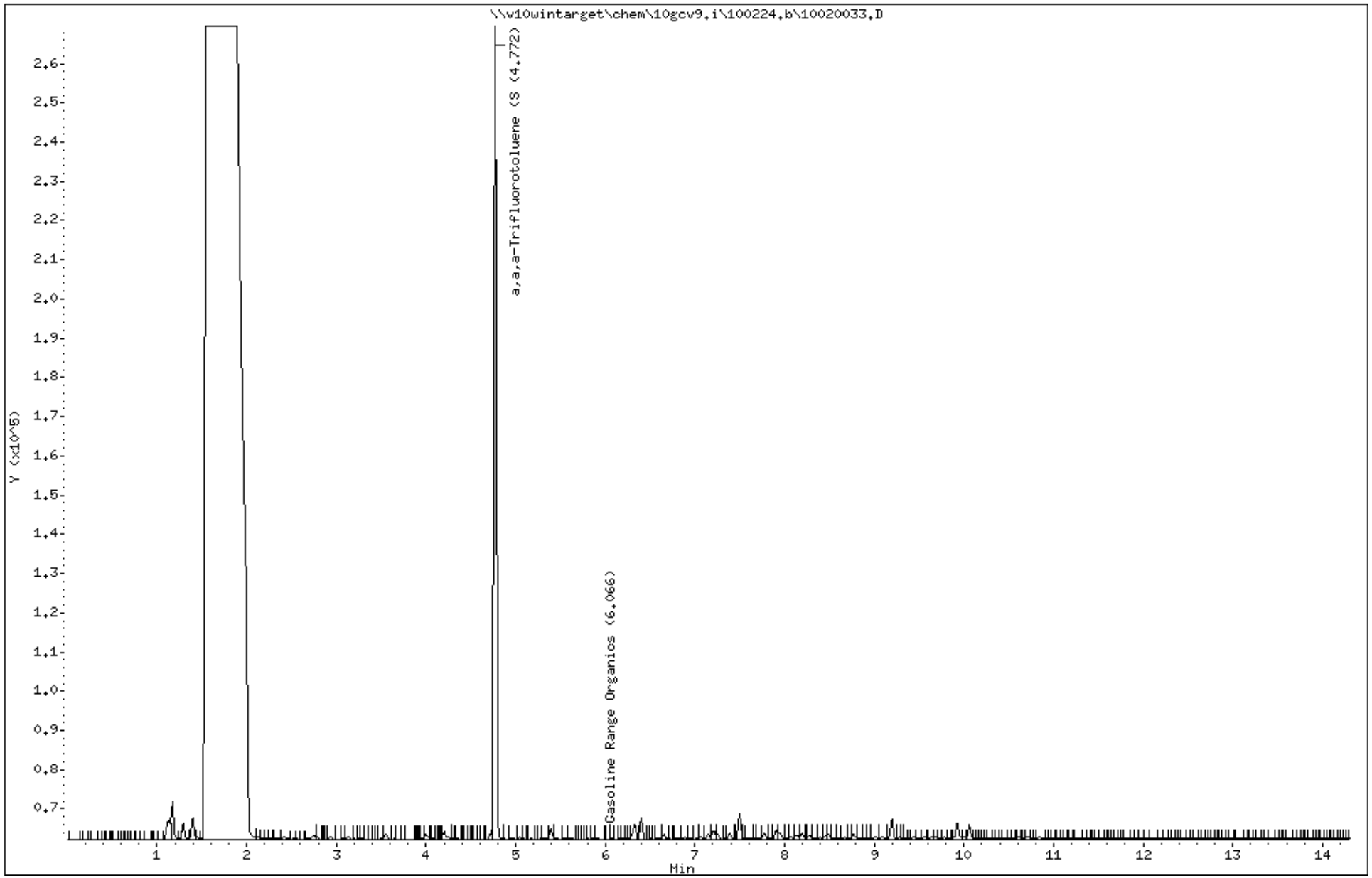
Sample Info: 10709802001,

Purge Volume: 5.0

Operator: ALE

Column phase: DB-624US2798156H

Column diameter: 0.18



Data File: \\w10wintarget\chem\10gcv9.i\100224.b\10020034.D

Date : 03-OCT-2024 02:51

Client ID: PP-2

Instrument: 10gcv9.i

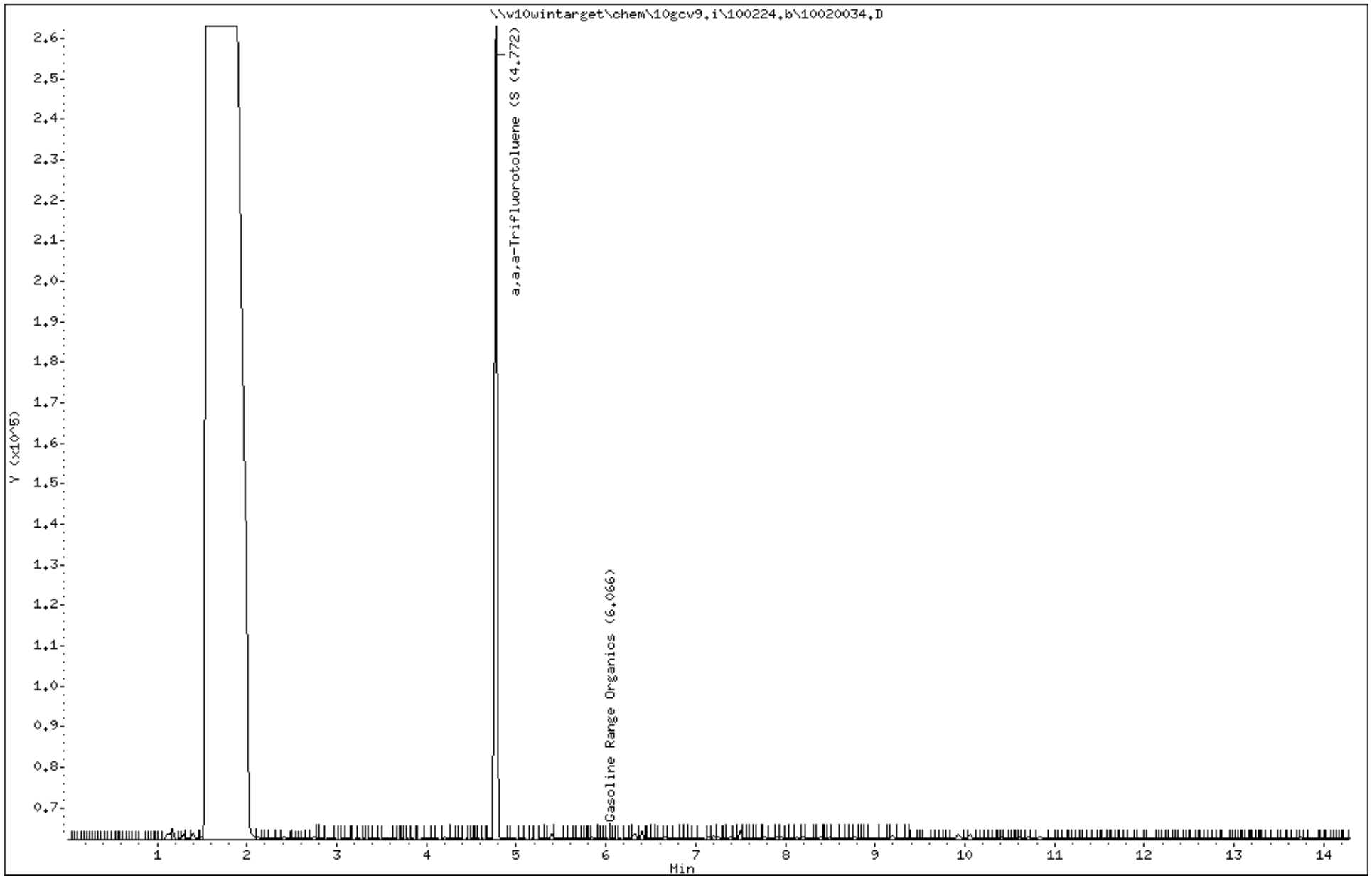
Sample Info: 10709802002,

Purge Volume: 5.0

Operator: ALE

Column phase: DB-624US2798156H

Column diameter: 0.18



Data File: \\w10wintarget\chem\10gcv9.i\100224.b\10020035.D

Date : 03-OCT-2024 03:10

Client ID: PP-3

Instrument: 10gcv9.i

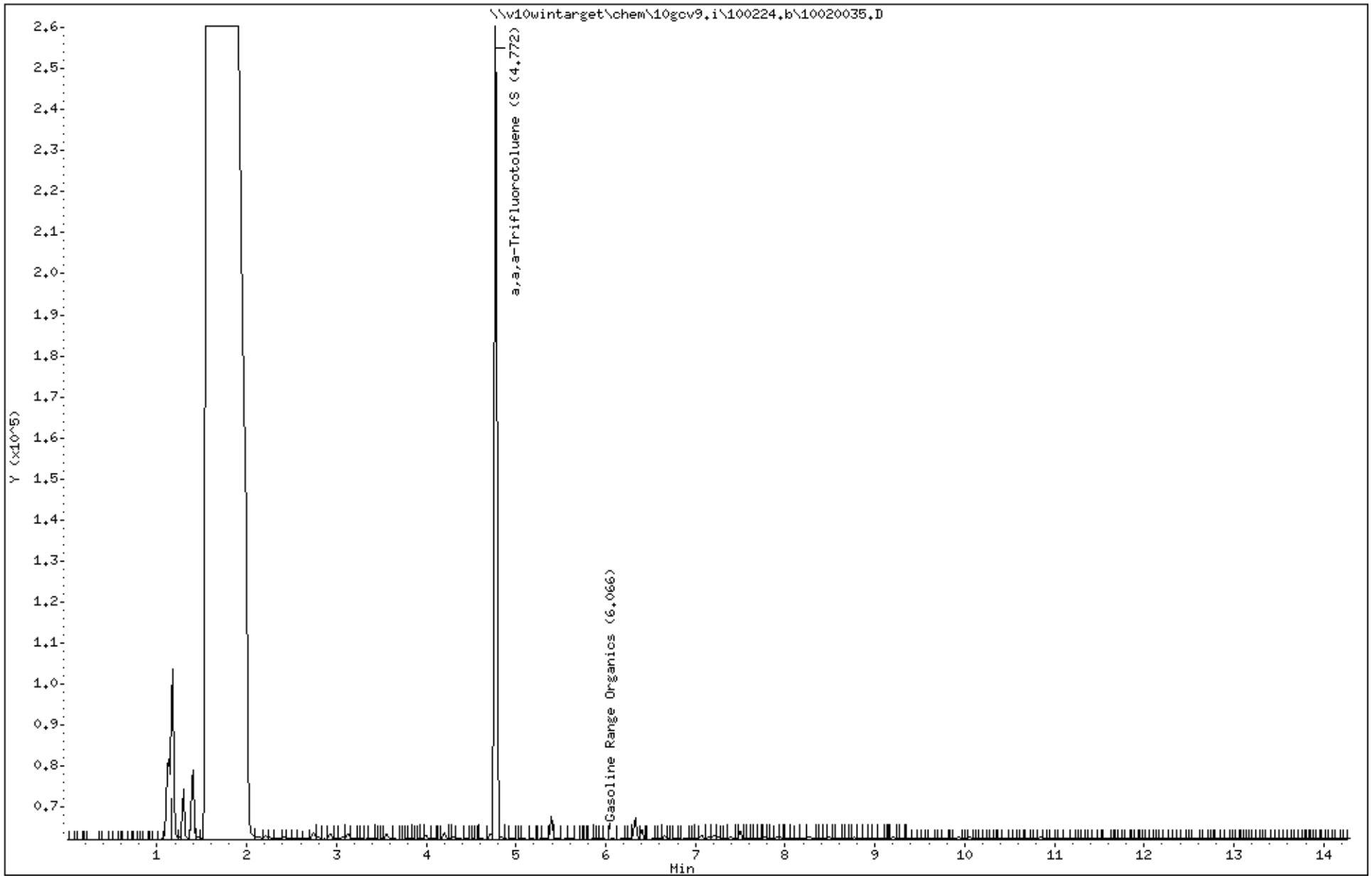
Sample Info: 10709802003,

Purge Volume: 5.0

Operator: ALE

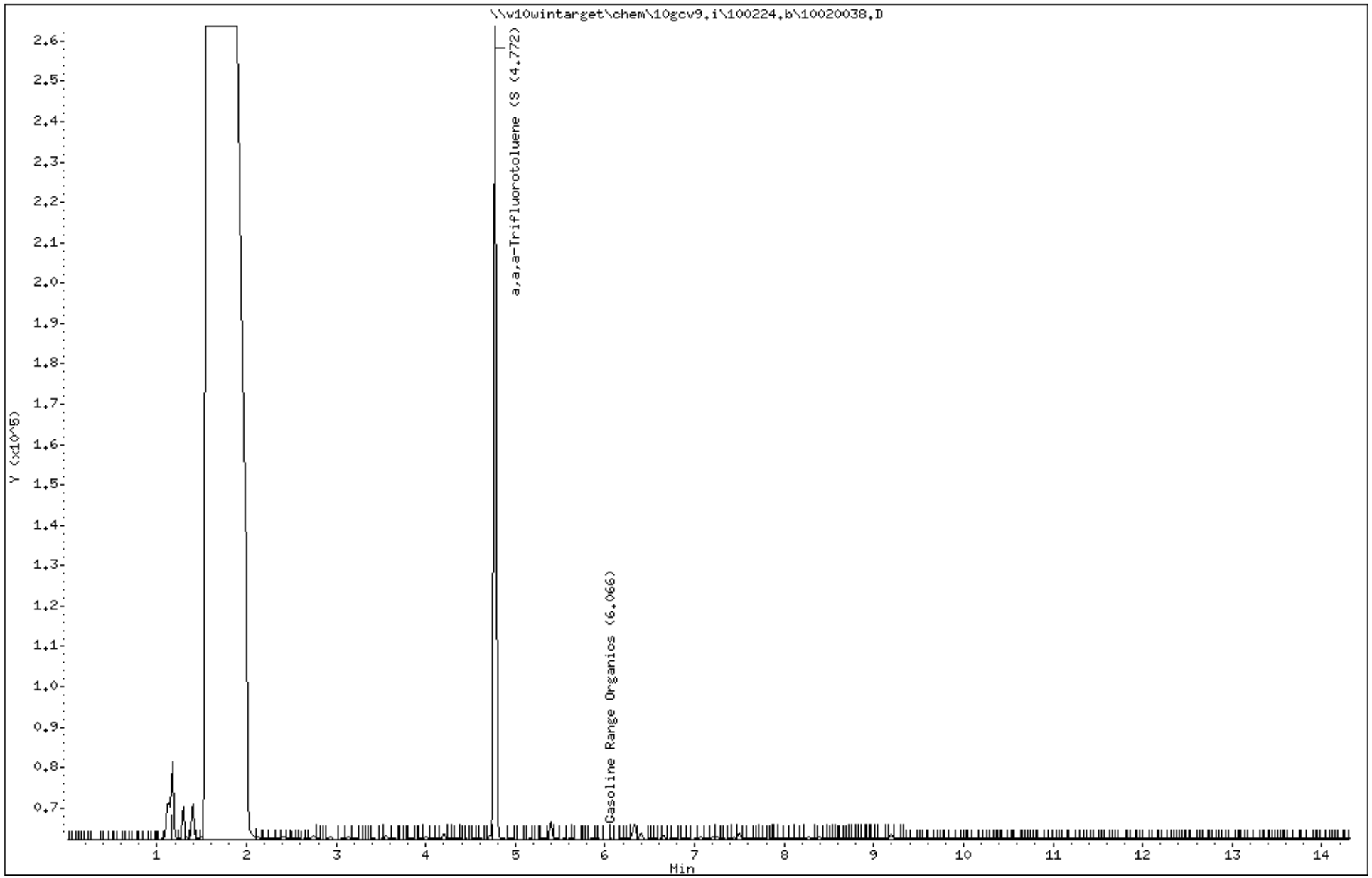
Column phase: DB-624US2798156H

Column diameter: 0.18



Data File: \\w10wintarget\chem\10gcv9.i\100224.b\10020038.D
Date : 03-OCT-2024 04:08
Client ID: PP-4
Sample Info: 10709802004,
Purge Volume: 5.0
Column phase: DB-624US2798156H

Instrument: 10gcv9.i
Operator: ALE
Column diameter: 0.18



Data File: \\w10wintarget\chem\10gcv9.i\100224.b\10020027.D

Date : 03-OCT-2024 00:36

Client ID: Trip Blank

Instrument: 10gcv9.i

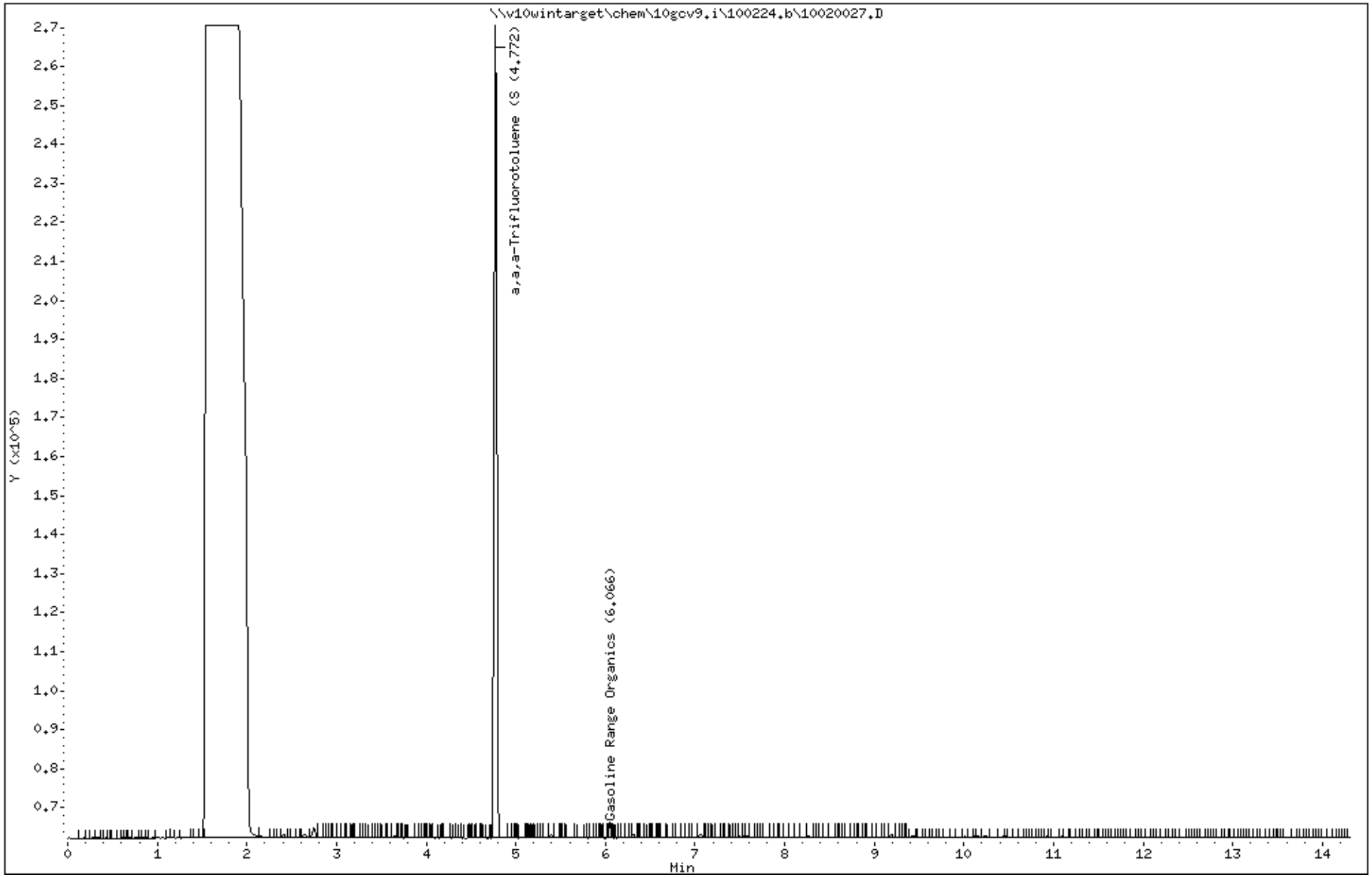
Sample Info: 10709802006,

Purge Volume: 5.0

Operator: ALE

Column phase: DB-624US2798156H

Column diameter: 0.18



Appendix C

Standard Operating Procedures

A. Purpose

The objective of this Standard Operating Procedure (SOP) is to establish a consistent method and format for the use and control of documentation generated during field activities. Field notes, records, and photographs are intended to provide sufficient information that can be used to recreate the field activities and collection of environmental data. The information placed in these documents and/or records should be factual, detailed, and free of personal opinions.

A.1. Scope and Applicability

This SOP is applicable to Phase I Environmental Site Assessments (ESAs), Phase II ESAs, remedial investigations, and Response Action Plan (RAP) implementation. Documentation includes Field Report Form, additional field forms that are part of method SOPs, and photographs.

A.2. Personnel Responsibilities

The project manager (or designee) is responsible for properly preparing field personnel to perform the field work and to oversee that field documentation is collected in accordance with this SOP, site-specific or project-specific planning documents, and other applicable SOPs.

Field personnel are responsible for understanding and implementing this SOP during field activities, as well as completing appropriate Field Report Form to properly document the field activities. Field observations should be discussed with the project manager on a daily basis. If conditions change from initial expectations, a call should also be made to the project manager. Field personnel should document field activities and record field measurements as they occur and complete documentation prior to leaving the site. Field personnel are responsible for tracking the location of field documentation. Field personnel are responsible for preserving original documentation until it is provided to the project manager and placed into the permanent file or archived. Field personnel are responsible for distributing copies (or electronically preserving copies) of the documentation in a timely manner.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP), if applicable.

C. Referenced SOPs

- None

D. Equipment and Supplies

- Field Report Form (see Attachment A) or field logbook
- Waterproof and/or indelible ink pens
- Cell phone camera or digital camera

E. Procedure

This SOP primarily addresses documentation using the Field Report Form (see Attachment A) or field logbook. However, procedures discussed in this SOP are applicable to other types of field documentation collected. Other field records and forms (e.g., soil boring logs, Chain-of-Custody records, water sample collection records, soil vapor monitoring forms) are discussed in the specific SOP associated with that particular activity and are not described in this SOP.

E.1. Field Report Form

Field personnel will keep accurate written records of their daily activities in chronological order on a Field Report Form that will be sufficient to recreate the project field activities without reliance on memory. Entries should be legible and written in black, waterproof or indelible ink. Each page should be numbered sequentially, dated, and signed by the field author. There should be no blank lines on a page. If only part of a page is used, the remainder of the page should have an "X" drawn over it. The completion of each day's work and the end of the field project should be clearly indicated with "END DAY" or "END FIELD INVESTIGATION."

If pre-printed adhesive labels or other added information are glued or taped onto a Field Report Form, the note taker should sign the addition. The signature should begin on the addition and extend onto the Field Report Form page so that the addition cannot be removed without detection.

At a minimum the following information should be recorded for <u>each project</u>:

- Site/project name
- Site location
- Site project number
- Name of project manager
- Full name of Field Report Form author
- Names of other Braun Intertec personnel on site and their role (full name and initials)
- Name of subcontractors performing work for Braun Intertec (or whose work Braun Intertec is monitoring) and the full name and phone number of their site superintendent

At a minimum, the following information should be recorded <u>each day</u>:

- Date
- Purpose of the day's activities
- Pertinent weather conditions (temperature, precipitation events, wind direction and speed, general air quality, particularly any ambient odors). Significant weather changes during the day should be noted
- Full name and initials of Field Report Form author, if different from previous day
- Full name and initials of other Braun Intertec personnel on site and their role, if different from previous day
- Documentation of exclusion zone setup and decontamination procedures, if applicable
- Record safety related monitoring information, including the time and location of the measurements or observations
- If not Level D, record the Personal Protective Equipment (PPE) level in which work is conducted and change in levels and the reason for the change

- Names, phone numbers, and affiliation of all site visitors and their reason for visiting, as well as their time of arrival(s) and departure(s). The project manager should be notified immediately if regulators (e.g., Minnesota Pollution Control Agency [MPCA], Environmental Protection Agency [EPA], Occupational Safety & Health Administration [OSHA]) visit the site. [Note: "all site visitors" means those who are inspecting or observing our work or the work we are overseeing. It is not intended to include unrelated site activities or personnel.]
- Persons contacted, name, and reason for contact, and decisions made. If the person contacted is not Braun Intertec personnel, also record the phone number.

E.2. Environmental Media Sampling Data

The information below should be recorded on specific forms if they are required by the data collection method SOP, but use of the form should be documented on the Field Report Form. The following information should be recorded:

- A chronological description of field observations and sampling events (i.e., date and time)
- Sampling locations (referenced/scaled drawings or global positioning system [GPS] coordinates, if not logged) should be identified. The project manager should provide the sample nomenclature system to the field personnel for consistency and continuity on sites with multiple rounds of data collection.
- Specific data associated with sample acquisition (e.g., field parameter measurements, field screening data, and HASP monitoring data)
- Source of samples, matrix, sample identification, sample container types and preservatives (including ice), field quality assurance/quality control sample collection, preparation, and origin
- Conditions that could adversely impact samples, such as smoke, wind, rain, or dust
- Make, model, and serial number of field instruments should be recorded in the Field Report Form or in a separate calibration log along with calibration data
- Deviations from the work plan and/or SOPs
- Sketches or scaled diagrams
- Process diagrams
- Waste generated and management methods (i.e., investigation derived waste [IDW]).

E.3. Sketches and Scaled Diagrams

Draw a site map using accurate measurements or make notes on a photocopy of an existing site map. The site map should include:

- Site boundaries (or features such as street curbs, fence lines, etc., that can later be related to site boundaries)
- Street names or other references that can be related to a site location map
- Investigation and well locations with dimensions to site landmarks
- Major structures with dimensions
- North arrow
- Scale
- Date
- Initials of field personnel

E.4. Photographs

Subject

Photographs should be taken to document existing conditions pertinent to the subject evaluation or remediation at a project site. Except when specifically required, it is unnecessary to photograph processes that are described by SOPs, but rather photograph the results of the process. **Note: Some restrictions may apply regarding Site photographic documentation.**

Composition

The three most common mistakes to avoid in providing photographic documentation are (1) too few photographs, (2) poor quality photographs, and (3) lack of subject identification in photographs. Photographic documentation should tell the story with as little need for narrative as possible.

When photographing several similar subjects or details that are not necessarily well identified in an establishing shot, such as a test excavations or test excavation spoil piles, it is recommended that you place a clip board with an identifying description in at least the first in the sequence of photographs of that subject or detail.

Scale

Where there are insufficient objects of widely known scale in a photograph, one should be placed in the photograph to provide scale. Some examples include a coin, ruler, clipboard, or cell phone.

Photographic Log

The following information should be recorded in the Field Report Form or field logbook:

- Site name, location, and field task
- Name of photographer
- Date and time the photograph was taken (verify the date/time stamp is correct if using a digital camera)
- Sequential number of the photograph
- Brief description of the subject of the photograph
- Site plan or site sketch showing the location from which the photograph was taken and the direction the photographer was facing.

E.5. Additional Field Forms/Records

Additional field records may be required for some field events. As an example, these may include soil boring logs during drilling, well construction and development records, groundwater purge and sample collection records, water level measurement records, instrument calibration records, sample container labels, sample container security tags and seals, Chain-of-Custody forms, field equipment calibration and maintenance logs and commercial shipping manifests. Use of these records described in the SOPs associated with the particular activity.

Prior to beginning field activities, field personnel will coordinate with the project manager, or designee, to determine which SOPs will be used and identify additional field forms that are required. These additional records will be maintained in a field file throughout the duration of the field activities. Copies of the records will be forwarded to the project manager (or designee) on a daily basis, if practical to do so.

E.6. Corrections

If an error is made in an entry in the field records, corrections will be made by drawing a SINGLE straight line through the error, entering the correct information, initialing, and dating the change. Materials that obliterate the original information, such as correction fluids, tapes or markers are prohibited. If the reason for the change is not obvious, provide a brief explanation.

E.7. Data and Records Management

Field records should be forwarded to the project manager or designated staff on a daily basis, if practical. The project manager should review progress and results in detail on a daily basis and evaluate the quality of the documentation. The field personnel should scan the field records and place them in the project folder in OnBase. This preserves documentation in the event that the Field Report Form is lost, stolen, or damaged. Copies of the field notes should be maintained in accordance with the Braun Intertec Records Retention Policy and Procedures. Photographs should be uploaded to the EnCon DRAFTS project folder as soon as possible.

Individual logbooks may be assigned to large projects. These logbooks will be returned to the project manager at the completion of field work and archived with the project file. Logbooks assigned to individual personnel for recording multiple project information from multiple projects should be provided to the designated EnCon project assistant for archiving when the logbooks are filled. Each logbook should have a table of contents (TOC) and be kept up to date by the personnel to which the book is assigned.

The TOC for each logbook should list the project names and locations, project numbers, inclusive dates and logbook page numbers.

E.8. Quality Assurance/Quality Control

All personnel that perform field work will be trained in the use of this SOP. Project managers or project staff who use the field notes for interpreting data and preparing reports should provide immediate feedback to those recording field information to reinforce conformance with the SOP and correct deficiencies. Periodic random audits of all field personnel documentation will be performed by the quality assurance (QA) manager or designees.

F. References

U.S. Environmental Protection Agency, Region 4, Science and Ecosystem Support Division, Athens, Georgia, Operating Procedure: Logbooks, SESDPROC-010-R3, October 31, 2007.

BRAUN INTERTEC

Field Report Form

Project No.:

Date:

Project Name:

Personnel:

Location:

Time On Site:

Time Off Site:

☐ Photos taken and documented.

Project Manager:

Other Braun Intertec Staff:

Weather (temperature, wind speed and direction, etc.):

Other Personnel (subcontractors, site superintendent, etc.; include time on site and time off site):

PPE and Field Equipment Used (e.g., PID; include ID numbers, calibration information, etc.):

Work Completed (include field scope, unexpected issues, action items, log of communication, and site sketch):

Signature:

BRAUN INTERTEC

Field Report Form

Project No.:		Date:	
Project Name:		Personnel:	
Location:		Project Manager:	

Work Completed (include field scope, unexpected issues, action items, log of communication, and site sketch):

Signature:

A. Purpose

The objective of this Standard Operating Procedure (SOP) is to establish a consistent method and format for visual identification and description of soil samples collected in the field. This SOP is applicable to soil samples collected during completion of soil borings (see SOP 203 – Soil Boring Observation and Sampling) and test trench excavations (see SOP 211 – Test Pit and Test Trench Observation and Sampling).

B. Health and Safety

Field work should be performed in accordance with the Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures and the site-specific health and safety plan (HASP).

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 203 – Soil Boring Observation and Sampling
- SOP 207 – Use of Hand Auger
- SOP 208 – Soil Grab Sample Collection
- SOP 209 – Soil Composite Sample Collection
- SOP 210 – Soil Stockpile Sampling
- SOP 211 – Test Pit and Test Trench Observation and Sampling
- SOP 301 – Water Level Measurement

D. Equipment and Supplies

- Soil boring or test trench log forms (see SOP 203 – Soil Boring Observation and Sampling, SOP 207 – Use of Hand Auger or SOP 211 – Test Pit and Test Trench Observation and Sampling)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Field Guide for Soil and Stratigraphic Analysis, V. 2, Midwest Geosciences Group Press (Field Guide)
- (Optional, but preferred) Munsell® Soil Color Book or Munsell® Soil Color Pages (Soil Color Chart)

E. Procedure

As soil samples are collected in the field, a visual identification and description will be completed as described below. The Standard Practice for Description and Identification of Soils (American Society for Testing and Materials [ASTM] D2488-17) was used to prepare this SOP, and soil descriptions should follow that document as applicable.

When visually describing soils in the field, the following information should be provided at a minimum; however, more detailed descriptions are encouraged.

Prepare the soil description **in the order shown**, separated by commas. All field personnel should have a laminated copy of the Field Guide and use it for classification of soil.

E.1. Main Soil

A description of the main soil group name using the United Soil Classification System (USCS) nomenclature (e.g., gravel, sand, silt, clay, silty sand, clayey sand, organic soil, etc.).

E.2. Group Symbol

List the Group Symbol in parenthesis after the main soil group name. Group symbols include the following:

- SP = Well Graded Sand/Poorly Graded Sand
- SP-SM = Poorly Graded Sand with Silt
- SP-SC = Poorly Graded Sand with Clay
- SM = Silty Sand
- SC = Clayey Sand
- ML = Silt; Silt with Sand
- CL = Lean Clay; Lean Clay with Sand
- CH = Fat Clay
- GP = Well Graded Gravel/Poorly Graded Gravel
- GP-SM = Poorly Graded Gravel with Silt
- GP-SC = Poorly Graded Gravel with Clay
- GM= Silty Gravel
- GC = Clayey Gravel
- OL = Organic Clay
- OH = Organic Silt
- PT = Peat

E.3. Grain Size for Sand and Gravel

If the soil is coarse-grained (i.e., sand or gravel), include a brief description of the predominant particle grain size(s) (e.g., fine, medium, coarse) (see Field Guide).

E.4. Inclusions

Describe the percentage by volume of the soil type(s) present in the sample using ASTM adjectives based on the percentages present within the sample:

- Trace = < 5%
- Few = 5 to 10%
- Little = 10 to 25%
- Some = 30 to 45%
- Mostly = 50 to 100%

Note that whichever soil type is 50% or more of the sample will be the main soil type for Section E.1.

E.5. Unusual Materials or Debris

Note the presence of any unusual materials or debris (e.g., bricks, glass, wood). Include the specific depth interval of the occurrence of unique material in the description or in the Remarks. See SOP 203 – Soil Boring Observation and Sampling, SOP 207 – Use of Hand Auger, SOP 210 – Soil Stockpile Sampling, and SOP 211 – Test Pit and Test Trench Observation and Sampling for additional information.

Waste/debris terminology should be as specific and descriptive as possible (e.g., concrete and glass vs. demolition debris). Category names of waste/debris should not be used. Imprecise or incorrect terminology may cause undue concern among regulators. Several important distinctions should be drawn:

- **Wood:** The term wood should not be used alone. Differentiate between tree/brush waste and lumber. To the extent feasible, lumber should be further qualified as unadulterated or treated and the type of treatment described (e.g., painted, green treated, brown treated, creosote, etc.).
- **Debris:** The term debris should not be used alone. Most often, the term is used to refer to demolition debris; however, the distinction should be drawn between demolition debris consisting of road/paving demolition debris and building demolition debris.

  - Note and carefully describe the presence of concrete pieces or blocks, bricks, bituminous/ asphalt, recycled gravel, pipe, or tubing.
  - Asbestos is more frequently associated with building demolition debris; although, it can also be present with road/paving materials, particularly in cementitious utility conduits.
  - Household waste or garbage should be noted as such if present.

- **Sizes/Amounts:** Qualitative terms like small, medium, large, etc., should be avoided in favor of dimensions (i.e., inches, feet, etc.), unless they are defined by ASTM or other commonly understood conventions. When reasonable, descriptions of sizes and approximate volumes should be quantitative (e.g., “3 to 4 feet” or “less than 1 %”) rather than qualitative (e.g., “large”) or semi-quantitative (e.g., “several,” or “a few”).

E.6. Color

Describe the color of the main soil group (e.g., brown, gray, etc.). Preferably, the color should be identified using a Soil Color Chart. The Soil Color Chart is a good resource for characterization of color at sites with complicated geology. The soil color should be described for moist samples along with the color code from the Soil Color Chart in parentheses. If the soil sample contains layers or patches of varying colors (e.g., mottled), this should be noted and representative colors shall be described. If the color described is for dry soils, this must be noted on the log.

Mottling

Mottling is a patchwork of different colors in mineral soil (usually orange or rust against a background of grey or blue) which indicates periods of anaerobic (wet) conditions. If mottling is present, note the fraction of the sample that is mottled (e.g., 1/2 mottled and the color of the mottle).

E.7. Moisture

Describe the overall moisture of the soil sample using the terms dry, moist, or wet (do not use the term “saturated”):

- Dry = absence of moisture, dusty, dry
- Moist = damp, but no visible water
- Wet = visible water; usually soil is below the water table or perched water

E.8. Consistency

If the soil is fine-grained (i.e., clay or silt), describe the consistency based on finger pressure:

- Very soft = thumb will penetrate soil more than 1 inch
- Soft = thumb will penetrate soil about 1 inch
- Firm = thumb will penetrate soil about 1/4 inch
- Hard = thumb will not indent soil, but thumbnail will easily make a mark
- Very hard = thumbnail will not indent soil

E.9. Staining

Indicate if the soil appears to have staining, for example from petroleum or chemical contamination.

E.10. Odor

Indicate any odors that are present such as organic or unusual odors. Soils that have a significant amount of organic content usually have a distinct color and odor. If the odor is of decaying vegetation, state that there is an "organic odor" present. If the odor is unusual (petroleum, herbicides, chemicals) describe the odor intensity (strong, moderate, mild, no odor) and a general descriptor. However, do not use specific chemical names to describe the odor. For example, stating that "a strong petroleum-like odor is present from 2 to 3 feet bgs" is correct; however, stating that the soil "has a gasoline odor" is NOT correct.

Note: When smelling soil, do not inhale deeply or repeatedly; the chemicals present may represent a health risk.

E.11. Structure

Describe any structures present in the soil sample as follows:

- Stratified = alternating layer of varying materials or color layers at least 1/4 inch or greater, note thickness.
- Laminated = alternating layer of varying materials or color layers less than 1/4 inch thick, note thickness.
- Fissured = Breaks along definite planes of fracture with little resistant to fracturing.
- Slickensided = Fracture planes appear polished or glossy.
- Blocky = cohesive soil that can be broken down into angular lumps which resist further breakdown.
- Lensed = Inclusions of small pockets of different soils such as small lenses of sand scattered in a mass of clay, note thickness.
- Homogeneous = same color and appearance throughout.

E.12. Plasticity

Describe the plasticity of the soil sample as follows:

- Nonplastic = A 1/8-inch (3-mm) thread cannot be rolled at any water content.
- Low = The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.
- Medium = The thread is easily rolled and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
- High = It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

E.13. Cementation

Note if any cementation is present.

E.14. Fill

If the soil is fill or probable fill, note in brackets (e.g., [fill], [probable fill]).

E.15. Examples

The following are examples of correct visual soil classifications:

- Poorly graded sand with silt (SP-SM), fine- to medium-grained, light brown, moist.
- Silty sand (SM), mostly sand with some low plasticity fines and trace gravel, sand is fine- to medium-grained, dark brown (10YR 3/3), moist, firm, homogeneous.
- Clay (CL), mostly fines with trace sand, soft, gray (7.5YR 5/1), wet, laminated, moderate chemical odor(s), medium to high plasticity, [fill].
- Silty sand (SM), medium- to coarse-grained, 25-30% debris—concrete 4-6" pieces, glass <1" pieces, very dark brown, moist [fill].

E.16. Groundwater

If groundwater is encountered, note the depth to water in the log (refer to SOP 301 – Water Level Measurement).

E.17. Collecting Soil Samples

If soil samples are collected for laboratory analysis, refer to the appropriate SOPs including SOP 203 – Soil Boring Observation and Sampling, SOP 207 – Use of Hand Auger, SOP 208 – Soil Grab Sample Collection, SOP 209 – Soil Composite Sample Collection, SOP 210 – Soil Stockpile Sampling, and SOP 211 – Test Pit and Test Trench Observation and Sampling.

E.18. Geotechnical Logs

To ensure consistent logs across Braun Intertec disciplines, soil samples will be collected and classified by a Braun Intertec Geotechnical Engineer. The Geotechnical Engineer's log is a supplement to the field log and is not meant to be a replacement for the field log.

Place one or more representative portions of each two-foot interval into sealable moisture-proof containers (jars or quart-sized polyethylene sealable bags) without ramming or distorting any apparent stratification. Seal the containers to prevent evaporation of soil moisture.

Affix labels to the containers indicating job designation, boring number, and sample depth. If there is a soil change within the interval, collect a soil sample for each stratum and note its depth.

Deliver the samples to a Braun Intertec soil classification lab. Include a copy of the soil boring log form.

E.19. Data and Records Management

Observations should be documented in accordance with SOP 101 – Field Notes and Documentation.

E.20. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

A. Purpose

The purpose of this Standard Operating Procedure (SOP) is to describe procedures to be used to conduct and document soil boring observations and sampling either from a direct-push probe or drill rig.

B. Health and Safety

Field work should be performed in accordance with the Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures and the site-specific health and safety plan (HASP).

In addition to potential exposure to hazardous materials, observing drilling of soil borings presents safety risks due to working near drilling equipment.

One of the biggest risks during probe sampling is the use of utility knives to cut open the plastic sleeves that hold soil collected by the probe. Instruct the probe operator to cut the sleeves open. Do not cut the sleeves open yourself.

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 201 – Classification of Soil
- SOP 202 – Organic Vapor Screening
- SOP 208 – Soil Grab Sample Collection
- SOP 209 – Soil Composite Sample Collection
- SOP 311 – Groundwater Sample Collection
- SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe
- SOP 702 – Management of Investigation Derived Waste

D. Equipment and Supplies

- Soil Boring Log form (see Attachment A)
- Global Positioning System (GPS) unit or measuring tape
- Photoionization detector (PID) with appropriate lamp (see SOP 202 – Organic Vapor Soil Screening)
- Soil sampling equipment (see SOP 208 – Soil Grab Sample Collection and SOP 209 – Soil Composite Sample Collection)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Groundwater sampling equipment (see SOP 311 – Groundwater Sample Collection)
- Soil vapor sampling equipment (see SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe)
- Waterproof and/or indelible ink pens
- Cell phone camera or digital camera
- Personal Protective Equipment (PPE)
- 55-gallon drum, if necessary

E. Procedure

E.1. Underground Utility Locates

Perform underground utility clearance in accordance with the Braun Intertec Corporate Utility Clearance Process.

Ensure that utilities are marked and the soil borings are located a safe distance from any buried utility.

E.2. Boring Location and Numbering

A day or two before the field work, review the written scope of work with the project manager. The scope should define the boring numbering scheme, boring locations, depths, sample intervals, and types of samples to be collected. Make sure that all required field equipment is prepared and in good working condition.

If required, determine the appropriate place to dispose of cuttings or provide an appropriate container per SOP 702 – Management of Investigation Derived Waste. If necessary, ensure that steel drums are provided to collect either the soil cuttings or excess removed groundwater.

During many projects, boring locations will be marked by Braun Intertec personnel, such as the CAD Staker, before the field event begins. In other cases, the responsibility to identify boring locations is left to field personnel on the day of the event. In either case once on site, identify the boring locations with the driller (or drilling subcontractor). Ensure that utilities are marked and that all proposed soil borings are located a safe distance from any buried utility. Review planned sampling procedures to ensure they meet the scope of work. In particular, review sample intervals and water sampling depths, if appropriate.

If the marked boring location must be changed, it is critical that the new location is clear of underground utilities. In some cases, utility marking does not apply to new locations and the work cannot proceed until new locations have been cleared. Use a measuring tape or GPS unit to document soil boring locations relative to the original marked location. This also may be necessary if a boring location must be modified due to refusal or if additional borings are advanced based on field observations (i.e., step out borings). If boring locations were not previously located with a GPS unit, make arrangements for proper location either on the day of the event or later.

E.3. Drilling

The driller or probe operator will collect soil samples from the sample intervals and provide the samples to the field personnel. It is the responsibility of the driller or probe operator to decontaminate the sampler and reusable sampling equipment to minimize cross-contamination using a brush in a detergent and water wash, followed by a clean water rinse between intervals.

Field personnel are responsible for making field observations of the soil, screening soil samples for volatile organic vapors, and collecting soil or water samples both for laboratory analysis and geotechnical classification by a Braun Intertec Geotechnical Engineer.

E.4. Soil Description

Note the surface composition (e.g., concrete, asphalt, grass, etc.). Indicate the material at the surface of the borehole (e.g., concrete, asphalt, grass, gravel) and the thickness of this material in inches in the top section of the soil boring log form.

The driller will bring the sampler to the surface and open it at the request of field personnel. Record the length of sample recovered in inches. Describe the soil type, color, stratification, and conditions of the soil samples recovered (see SOP 201 – Classification of Soil).

E.5. Soil Screening

Don new disposable gloves. Collect a small sample of the soil from each two-foot interval (or less) for organic vapor screening in the field using a photoionization detector (PID) (SOP 202 – Organic Vapor Soil Screening). Record the results of the vapor screening in the PID column of the soil boring log form.

E.6. Soil Sampling

Collect soil samples for chemical analysis in the field as soon as possible after retrieval. To collect soil samples for chemical analyses as specified in the project-specific work plan or Sampling and Analysis Plan, refer to SOP 208 – Soil Grab Sample Collection and SOP 209 – Soil Composite Sample Collection.

As samples are collected for laboratory analysis, note the sample name, sample depth, time collected, and analytical test(s) in the analytical samples column and the remarks column of the boring log form. For example:

- GP-1 (8-10') @ 10:15 – DRO, GRO and VOCs
- ST-3 (2-4') @ 10:45 – RCRA Metals

E.7. Groundwater Sampling

Groundwater Sampling from a Borehole Advanced by a Drill Rig

The drilling operator will advance the auger to the specified depth and prepare for groundwater collection. The operator may use one of the two following methods:

- In the case of shallow groundwater and a fairly competent soil formation, the operator advances the auger to the desired depth for groundwater sampling. All drilling equipment is removed from the borehole. Groundwater samples are collected from inside the open borehole.
- In the case of a less competent soil formation, the operator advances the auger to the desired depth for groundwater sampling. A length of PVC pipe with a five- or ten-foot screened portion on the bottom is extended down the open borehole. All drilling equipment is removed from the borehole. After an appropriate period of time, groundwater samples are collected from inside the screened portion of the PVC pipe.

Groundwater Sampling from a Probe Borehole

The sampling probe operator will advance the probe to the depth you specify and prepare the sampler for groundwater collection. The operator may use one of the two following methods:

- In the case of shallow groundwater and a fairly competent soil formation, the sampling probe is advanced to the desired depth for groundwater sampling. All sampling probe equipment is removed from the probe hole. A length of PVC pipe with a five- or ten-foot screened portion on the bottom is extended down the open hole. Groundwater samples are collected from the screened portion of the PVC pipe.
- In some cases the operator advances a special sampling probe to the desired depth for groundwater sampling. The tip of the probe will be an "expendable point" which is snugly attached to the probe. Inside the probe is a stainless steel screen section. The sampling probe is pulled up, releasing the expendable point and exposing the screen. Groundwater samples are collected from the screened portion of the stainless steel screen.

Groundwater Sample Collection

Refer to SOP 311 – Groundwater Sample Collection for procedures for collecting groundwater samples.

As samples are collected for laboratory analysis, note the boring identifier, time collected, and analytical test(s) in the analytical samples column and the remarks column of the boring log form.

E.8. Soil Vapor Sampling

Refer to SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe for details on collecting the soil vapor sample.

As samples are collected for laboratory analysis, note the boring identifier, time collected, and analytical test in the Remarks section of the Soil Boring Log.

E.9. Geotechnical Logs

To ensure consistent logs across Braun Intertec disciplines, samples of soil cores will be collected and classified by a Braun Intertec Geotechnical Engineer. The Geotechnical Engineer's log is a supplement to the field log and is not meant to be a replacement for the field log.

Place one or more representative portions of each interval into sealable moisture-proof containers (e.g., resealable bags) without ramming or distorting any apparent stratification. Seal the container to prevent evaporation of soil moisture.

Label the containers indicating job designation/project number, boring number, and sample depth. If there is a soil change within the interval, collect a soil sample for each stratum and note their depths.

Deliver the samples to a Braun Intertec soil classification lab. Include a copy of the soil boring log form.

E.10. Documentation

Logs of borings are required in investigation reports. Use the Soil Boring Log form (Attachment A). Descriptions of soil samples collected in the field are described in SOP 201 – Classification of Soil.

Photographs will be taken of the boring location in accordance with SOP 101 – Field Notes and Documentation. A photographic log should be included with the field notes. If there is something specific field personnel would like the viewer to note, be sure it is specified in the description.

E.11. Backfilling/Restoration

The boring will be backfilled with bentonite grout or reused soil cuttings, if appropriate, as allowed or required by the well code.

E.12. Data and Records Management

Observations should be documented in accordance with SOP 101 – Field Notes and Documentation.

E.13. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

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Soil Boring Log

Project Number:		Latitude:	.	Boring ID:	☐
Project Name:		Longitude:	.	Personnel:	
Project Location:		Elevation:		Weather:	

Drill Company:		Sample Method:		Total Depth (ft):	
Drill Rig ID:		Surface Cover:		Refusal Depth (ft):	
Drill Method:		Surface Thickness:		☐ Permanent well installed.	

Drilling	Date & Time
Start:	
Finish:	
Backfill:	
☐ Cuttings ☐ Chips ☐ Grout	

Groundwater	Depth (ft)	Date & Time
While Drilling:		
End of Drilling:		
Temporary Well:		
Well Recheck:		

Temporary Well & GW Sampling	
Material & Size:	
Screen Top (ft):	
Screen Bottom (ft):	
☐ Check Ball ☐ Bailer ☐ Pump	

Depth (ft)	Recovery (in)	PID (ppm)	**Description** Soil group name, USCS symbol, grain size (f/m/c), amt. of gravel/sand/fines, inclusions, debris, color, moisture (d/m/w), consistency, staining, odor, structure, plasticity, geologic interpretation (fill/native/etc.)	Water & Well	Analytical Samples	**Remarks** Sample ID, times, analyses; odors, debris (%), staining; temp well details, etc.

BRAUN INTERTEC

Soil Boring Log

Project Number: _____ Boring ID: _____

Depth (ft)	Recovery (in)	PID (ppm)	**Description** Soil group name, USCS symbol, grain size (f/m/c), amt. of gravel/sand/fines, inclusions, debris, color, moisture (d/m/w), consistency, staining, odor, structure, plasticity, geologic interpretation (fill/native/etc.)	Water & Well	Analytical Samples	**Remarks** Sample ID, times, analyses; odors, debris (%), staining; temp well details, etc.

A. Purpose

The purpose of the water level measurements Standard Operating Procedure (SOP) is to provide a description of the methods used to measure water levels in piezometers, monitoring, and recovery wells.

A.1. Summary of Method

Collection of water level measurements consists of decontaminating the water level measuring equipment, testing the equipment, lowering the water level probe into the well until a response is noted, verifying results, and finally recording the results in a field logbook or field report form. See SOP 701 – Decontamination of Sampling Equipment for proper decontamination procedures.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

The collection of water level measurements can pose a hazard to human health unless appropriate precautions are taken. Potential hazards include, but are not limited to:

- Exposure to contaminants present in the fluid being measured.
- Exposure to decontamination solutions.
- Exposure to hazardous substances being removed as part of the decontamination procedure.
- Hand injuries associated with sharp edges and pinch points on wells and associated well piping and covers.

Proper personal protective equipment (PPE) should be selected based on the physical and chemical characteristic of the contaminant and decontamination solutions used.

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 302 – LNAPL Level Measurement
- SOP 701 – Decontamination of Sampling Equipment

D. Equipment and Supplies

- Hand tools (such as wrenches or sockets for at grade wells)
- Electronic water lever indicator
- Well keys, if necessary
- Water level monitoring record form (Attachment A)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Cell phone camera or digital camera
- Decontamination equipment (see SOP 701 – Decontamination of Sampling Equipment)
- PPE

E. Procedure

The following procedures are to be used, in the order listed, when collecting water level measurements:

- Prior to mobilizing to the site, turn on water level indicator and immerse the end of the water level indicator (i.e., water level probe) in a glass of tap water to check probe batteries. Note the instrument response as the probe contacts the water. If no response occurs, replace the batteries and try again or use an alternate piece of equipment if available.
- Once on-site, don appropriate PPE as prescribed by the HASP.
- Decontaminate the probe and entire cable length in accordance with SOP 701 – Decontamination of Sampling Equipment. Unless stated otherwise in the work plan, proceed from the wells least likely to be contaminated to those closest to the source area. Do not use the water level indicator in wells that are suspected to have, or have documented, free product. Use a product probe if light non-aqueous phase liquid (LNAPL) or free product is known or suspect. See SOP 302 – LNAPL Level Measurement.
- Lower the probe into the well by pulling the cable from the hand-held reel until the light comes on or the buzzer sounds.
- Move the cable up and down fractionally while looking/listening for a response from the probe. Note the exact length of cable to the 100th of a foot extended from the tip of the probe to the notch or highest point (or north side) of the well casing when the probe begins to be audible or light is visible. Record the cable length, well number, and time and date of the measurement in the field notes or water level record. The water level measurement should be repeated a second time. If the two measurements are different, repeat as necessary until results are consistent.

E.1. Cautions

Failure to follow proper water level measurement and/or decontamination procedures may result in the following:

- Cross-contamination between sampling points and/or sites. Cross-contamination would invalidate results, introduce new contaminants to an environment, or impact a previously unaffected sampling location.
- Decreased equipment performance due to foreign objects or incompatible materials on equipment surfaces or corrosion due to acidic environments.

E.2. Interferences

Factors that may interfere with water level measurement procedures include:

- The formation of ice in cold temperatures will prevent proper operation of equipment and may damage internal components of equipment when expansion occurs.
- Obstructions in the well due to down-hole equipment, defects in well piping, or other foreign objects.
- Access to the well through the well-head or access ports may limit the size of the probe that may be used.

E.3. Data and Records Management

Water level measurements should be recorded in the field form included as Attachment A in accordance with SOP 101 – Field Notes and Documentation. If water level measurements are completed in accordance with a site-specific HASP, work plan, or other related document, reference to the appropriate document should be made in the field form. Any deviations from the procedures outlined in this document or in a site-specific document should be described in detail in a field form, otherwise referencing existing procedures is sufficient. The sampler should note if there is pumping from a nearby well, dewatering, or other activity that may influence the elevation of the groundwater at the site.

E.4. Quality Assurance/Quality Control

The probe should be tested to verify proper operation of the equipment prior to its first use of the day, per the procedures outlined above. Water level measurements should be repeated as a means of verifying results, per the procedures outlined above.

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Water Level Monitoring Record

Project Name: _____ Project Number: _____

Date: _____ Field Personnel: _____ Instrument Used: _____

Well No.	Time	MP Elevation (feet)	Water Level Below MP (feet)	Water Level Elevation (feet)	Previous Water Level Below MP	Remarks

Note: For your convenience, the following abbreviations may be used.

P = Pumping I = Inaccessible D = Dedicated Pump ST = Steel Tape ES = Electric Sounder MP = Measuring Point WL = Water Level

A. Purpose

The purpose of this Standard Operating Procedure (SOP) is to detect contamination that may have been introduced in the field by the sampling equipment, sampling procedures, or inadequate decontamination of field equipment.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 602 – Chain-of-Custody Procedures
- SOP 701 – Decontamination of Sampling Equipment

D. Equipment and Supplies

- Deionized and filtered water. If not available, distilled water can be used. The water source must be noted in the field notes. Do not use tap water.
- Appropriate laboratory-supplied containers
- Chain-of-Custody (COC) forms (see SOP 602 – Chain-of-Custody Procedure)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Decontamination equipment (see SOP 701 – Decontamination of Sampling Equipment)
- Personal Protective Equipment (PPE)

E. Procedure

- Prepare equipment blanks in the field by drawing deionized water into or through decontaminated sampling equipment such as a pump. Collection of equipment blanks should simulate actual field sampling methods in a manner that would detect the presence of contamination in sampling equipment. Record sample collection procedures, equipment, and sampling order in the field report form or field logbook.
- Collect the rinsate in appropriate laboratory-supplied sampling containers. Equipment blanks should be preserved and handled in the same manner as other investigative samples.
- Label the containers with the identifier “EB,” “EB-#,” or a blind identifier, as necessary. Include a sample called “EB,” “EB-#” or “Equipment Blank” on the COC Form (see SOP 602 – Chain-of-Custody Procedures).
- Analyze equipment blanks for the parameters specified in the site-specific work plan.

E.1. Data and Records Management

Observations should be documented in accordance with SOP 101 – Field Notes and Documentation.

E.2. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

A. Purpose

The purpose of this Standard Operating Procedure is to check for contamination of gasoline range organics (GRO) and volatile organic compounds (VOCs) during handling, storage, and shipment from the laboratory to the field and back to the laboratory. If contaminants are reported in the trip blank it may indicate that the investigative samples from that sampling event have been contaminated during handling, transportation, or shipment.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 602 – Chain-of-Custody Procedures

D. Equipment and Supplies

- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Chain-of-Custody (COC) Form (see SOP 602 – Chain-of-Custody Procedure)
- For Water Sampling:
  - Two laboratory-prepared 40-milliliter (mL) glass vials with organic-free water in hydrochloric (HCl) acid preservative. Commonly provided in a small bubble-wrap bag.
- For Soil Sampling:
  - One laboratory-prepared 40-mL glass container with methanol preservative. Commonly provided in a small bubble-wrap bag.

E. Procedure

- The laboratory should prepare and provide VOC trip blanks with every bottle order. If it is necessary to prepare a trip blank in the office or in the field, note the exception in the field report form or field logbook and the investigation report. **Note: New trip blanks must be provided along with the laboratory bottle order for a specific project. Trip blanks prepared for a prior sampling event cannot be used.**
- Label sample containers using the identifier "TB," "TB-#," or a blind identifier, as necessary.
- Ensure a trip blank is located in each cooler to be used to hold the investigative samples. Preserve and handle the trip blank(s) in the same manner as investigative samples.
- Include a sample called "TB," "TB-#," or "Trip Blank" on the COC Form. Do not include a date or time for the sample. Check the appropriate column to indicate that the trip blank should be analyzed for GRO and/or VOCs per the investigation work plan (see SOP 602 – Chain-of-Custody Procedures).

E.1. Data and Records Management

Observations should be documented in accordance with SOP 101 – Field Notes and Documentation.

E.2. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

A. Purpose

The following Standard Operating Procedure (SOP) for field filtration of water samples will be used to collect aqueous samples for chemical analysis of dissolved metals. This SOP establishes a reproducible process for field filtration of water samples to maintain the integrity of the subsequent laboratory analytical procedures.

A.1. Summary of Method

Water samples collected for dissolved metals analyses should be filtered in the field immediately after collecting the sample using a 0.45-micron filter prior to chemical preservation. Samples can be filtered using a disposable field filtration unit and a hand vacuum pump or using an in-line filter that attaches directly to the discharge tubing of a sampling pump.

Once the sample is filtered, it is preserved and placed on ice in a laboratory-supplied cooler. A Chain-of-Custody (COC) form is completed in accordance with SOP 602 – Chain-of-Custody Procedures. Samples are then transported to the analytical laboratory under refrigerated conditions and COC procedures.

A.2. Personnel Qualifications and Responsibilities

It is the responsibility of environmental field personnel collecting and filtering the samples to maintain the integrity of the water sample collected. Maintaining the integrity of the sample includes: using the proper Personal Protective Equipment (PPE), proper documentation, proper handling, proper collection techniques, and proper storage and transport. Field personnel should be trained in performing this SOP and are responsible for understanding and implementing this SOP during field activities, as well as acquiring the appropriate laboratory-supplied containers.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

Additionally, laboratory-supplied sample containers for dissolved metals are preserved with nitric acid (HNO_3), a caustic solution. While the preservative is typically provided in small quantities, it is important to use safe handling practices when working with known chemicals as contact can be harmful to skin, clothes, eyes, and respiratory systems. Safety Data Sheets (SDSs) are available for all the preservatives used in laboratory-supplied sample containers through the analytical laboratory or through the Braun Intertec Safety Coordinator.

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 311 – Groundwater Sample Collection
- SOP 602 – Chain-of-Custody Procedures
- SOP 701 – Decontamination of Sampling Equipment
- SOP 702 – Management of Investigation Derived Waste

D. Equipment and Supplies

- Unpreserved 1-liter (L) plastic laboratory-supplied sampling container
- 500-milliliter (mL), plastic, HNO_3 preserved, laboratory-supplied sampling container
- Disposable field filtration unit method:
  - Vacuum hand pump
  - Nalgene® Disposable Filter Unit – 500-milliliter (mL) volume equipped with a 0.45-micron or micrometer (µm) diameter filter membrane (or similar). Filter membrane must be capable of filtering particles 0.45-µm or larger from the sample (do not reuse filter units or attempt to decontaminate used filter units).
  - Disposable Nalgene® 0.45-µm pre-filter disks (or similar)
- In-line field filtration method:
  - Disposable, in-line 0.45-µm filter
  - Sampling pump (e.g., peristaltic pump)
  - Silicon tubing
- COC forms (see SOP 602 – Chain-of-Custody Procedure)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Cell phone camera or digital camera
- Decontamination equipment (see SOP 701 – Decontamination of Sampling Equipment)
- PPE

E. Procedure

- Prior to filtering water samples, complete the sample label for the laboratory-supplied containers. The sample label must have the following information:
  - Project Number (listed under “Client”)
  - Sample Name (listed under “Sample ID”)
  - Date Sample Collected (listed under “Collection Date”)
  - Sampler’s Initials (listed under “Collected by”)
  - Time Sample Collected (listed under “Time”)
  - The sample label must indicate that the sample is field-filtered.
- If not already present, affix the appropriate sample label to the laboratory-supplied sample container.
- Collect the water sample into a 1-L <u>unpreserved</u>, plastic, laboratory-supplied sample container using SOP 311 – Groundwater Sample Collection or other applicable SOP.
- Decontaminate all equipment before proceeding to the next sample or at the end of the day in accordance with SOP 701 – Decontamination of Sampling Equipment.

E.1. Using a Disposable Field Filtration Unit

- Place a pre-filter disk in the base of the upper chamber of the filtration unit if the sample is turbid. The water sample should then be immediately decanted into the upper chamber of the filtration unit. The upper chamber should only be partially filled if the sample is turbid. Replace the lid. Attach the vacuum hand pump tubing to the adapter in the center of the filtration unit.

- Squeeze the hand pump to establish a vacuum and draw the sample through the filter into the lower chamber. Maintain the vacuum until all the water from the upper chamber has been filtered into the lower chamber.
- The following procedures should be used if sediment has clogged the filtration membrane or pre-filter disk to the point that water flow through the filtration unit is very slow before filtration of the sample is complete:
    - If the filter membrane is clogged and a pre-filter disk was not used, use a new filtration unit to filter the remainder of the sample.
    - If only a pre-filter disk is clogged, depressurize the unit and unscrew the lower chamber from the upper chamber. Swirl the remaining liquid in the upper chamber, and discard this water sample as investigation derived waste in accordance with the work plan and SOP 702 – Management of Investigation Derived Waste. Remove the used pre-filter disk without damaging it and replace with a new pre-filter disk.
- Continue using the steps described above to filter the water sample until 500 mL of water has been filtered or an adequate sample volume has been filtered based on input from the laboratory. Decant the filtered sample from the lower chamber of the filtration unit into a preserved sample container taking care not to overfill the container. Close the sample container, place the sample on ice, and properly dispose of the filtration unit.

E.2. Using an In-Line Filter

- As the metals aliquot is to be collected, attach a new 0.45-µm in-line filter to the pump discharge tubing. Direct the discharge end of the in-line filter into a preserved sample container and fill the sample container taking care not to overfill the container. Close the sample container and place the sample on ice. Remove and properly dispose of the in-filter.

E.3. Cautions and Interferences

Caution must be taken to ensure that sample devices, sample collectors, and sample containers are as clean as possible. The SOP is designed to minimize interferences from outside contaminants. However, because the water sample is being collected in the field outside contamination cannot always be mitigated.

E.4. Data and Records Management

Field-filtered water samples should be recorded in the field notes (see SOP 101 – Field Notes and Documentation) and on the COC Form (see SOP 602 – Chain-of-Custody Procedures).

E.5. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

A. Purpose

This Standard Operating Procedure (SOP) provides guidelines for collection of groundwater samples for laboratory analytical testing. Groundwater samples can be collected from temporary wells (e.g., polyvinyl-chloride [PVC] casing pipe and screen installed in a soil boring) and from permanent monitoring wells. Groundwater samples can be analyzed for the presence of organic compounds, inorganic constituents, biological parameters, and radiological parameters.

Note: Wells with measurable levels of light non-aqueous phase liquid (LNAPL) are usually not sampled. Check with the project manager prior to proceeding with sampling.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 301 – Water Level Measurement
- SOP 308 – Trip Blanks
- SOP 309 – Field Filtering of Groundwater Samples
- SOP 312 – Well Purging and Stabilization
- SOP 316 – Calibration of Water Quality Meters
- SOP 602 – Chain-of-Custody Procedures
- SOP 603 – Sample Shipping
- SOP 701 – Decontamination of Sampling Equipment

D. Equipment and Supplies

- Pumping equipment (see applicable Sampling and Analysis Plan):
  - Low-flow submersible pump with appropriate tubing,
  - Peristaltic pump with appropriate tubing (polyethylene or silicon)
  - Inertial pump (e.g., Waterra, Solinst) with foot/check valve and appropriate tubing,
  - Tubing with bottom filling check valve (hand actuated), or
  - Bottom filling disposable bailer and rope (polypropylene or cotton)
- Appropriate laboratory-supplied containers and preservatives (see applicable Sampling and Analysis Plan)
- Sample container labels
- Trip blank, if necessary (see SOP 308 – Trip Blanks)
- Temperature blanks (one per sample cooler)
- Chain-of-Custody (COC) forms (see SOP 602 – Chain-of-Custody Procedures)
- Sample coolers
- Ice
- Gallon-size plastic bag
- Electronic water lever indicator (see SOP 301 – Water Level Measurement)
- Water quality meters (if purging and stabilization required by Sampling and Analysis Plan) and purge bucket
- Spare batteries for pump equipment

- Hand tools (such as wrenches or sockets for at grade wells or knife for cutting tubing/rope)
- Well keys, if necessary
- Groundwater Monitoring Data Sheet (see Attachment A)
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof and/or indelible ink pens
- Cell phone camera or digital camera
- Decontamination products (see SOP 701 – Decontamination of Sampling Equipment)
- Personal Protective Equipment (PPE)

E. Procedures

E.1. Prior to Leaving for the Field

- Several days before field work is scheduled to begin, call or email the laboratory to order sample containers. It is a good idea to order extra bottles to allow for breakage, extra samples, etc. If you are unsure of the required sample volumes or proper laboratory sample containers for specific analytical parameters, ask that a written description be included with the bottle order clarifying sample container requirements.
- Before you leave for the field, be sure that you have the appropriate sample containers (including appropriate preservative) and that extra containers are included, if requested.
- **Be sure you are aware of sample volume and container requirements (discuss with analytical laboratory or project manager if unsure).**
- Place ice into each sample cooler before collecting any samples. Double-bag the ice in sealable gallon bags or sealed garbage bags to avoid potential contact of water in the cooler with sample containers.
- Place a temperature blank in each cooler and under the ice.
- If some samples will be analyzed for gasoline range organics (GRO), benzene, ethylbenzene, toluene and xylenes (BETX), or volatile organic compounds (VOCs), include a trip blank in each cooler.

E.2. Prior to Groundwater Sample Collection

- Don appropriate PPE as prescribed by the HASP.
- Sample from the least to the most contaminated well or as specified in the Sampling and Analysis Plan.
- Measure the depth to groundwater either from the top of the well casing pipe or from the ground surface. Measure the depth to groundwater to the nearest 0.01 foot using an electronic water level indicator in accordance with SOP 301 – Water Level Measurement.
- Prior to sampling the well, purging and stabilization may be required by the Sampling and Analysis Plan (see SOP 312 – Well Purging and Stabilization).

E.3. Groundwater Sample Collection

There are several ways to bring groundwater to the surface for sample collection including pumps, bailers, check valves, etc. Follow the procedure below for the appropriate sampling device.

E.3.a. Submersible Pump for Sampling

When using a submersible pump ensure that the appropriate decontamination has been completed prior to sampling and between sampling points (see SOP 701 – Decontamination of Sampling Equipment). When sampling, direct a steady stream of water into the appropriate sample container(s) at a rate specified on the applicable Sampling and Analysis Plan.

E.3.b. Peristaltic Pump for Sampling

- Insert a length of new plastic tubing inside the well. Attach the top end of the tubing to a fitting on the peristaltic pump.
- Activate the pump to draw water into the tubing and direct the stream of water into appropriate sample container(s).
- For VOCs/GRO, the water for the sample cannot pass through the peristaltic pump body. Fill the sample vials for VOCs/GRO with water that has not passed through the pump body. Manually kink the tubing to temporarily prevent water from flowing back down the tubing, remove the tubing from the sampling point and pour the water into the sample containers after removing the kink in the tubing. Alternatively, the peristaltic pump may be reversed to push water out of the tubing into the sample containers.
- Once the sample containers are filled, remove the tubing and properly dispose (temporary well) or leave in well (permanent well) for future sampling.

E.3.c. Inertial Pump (Plastic Tubing with a Bottom Check Valve) for Sampling

- Insert a length of new or dedicated plastic tubing with a clean, bottom-mounted, stainless steel or plastic check/foot valve inside the temporary or permanent well.
- Manually or mechanically oscillate the tubing up and down. The tubing will fill with water as the ball repeatedly lifts and seats.
- Once the tubing is filled, either lift the tubing out of the well and pour the water into the sample containers or fill the sample containers from the top while the tubing is being oscillated.
- Once the sample containers are filled, remove the tubing and properly dispose (temporary well) or leave in well (permanent well) for future sampling.

E.3.d. Bailer for Sampling

- Attach an appropriate length of new polypropylene or cotton rope to a bailer.
- Lower the bailer slowly into the well, allow it to fill, and then lift it out while preventing the bailer or the rope from contacting any potentially contaminated surface, such as the ground. When using a bailer to remove the groundwater sample, take care to minimize agitation or aeration of the water as this could lead to the loss of volatiles and a non-representative sample.
- For sample collection, slowly pour the contents of the bailer into the appropriate sample container(s).

E.4. Guidelines for Filling Sample Containers:

- Containerize samples by order of the volatilization potential of the desired analytes. For example, volatile organic analysis (VOA) vials should be filled first, followed by semi-volatiles.
- For VOCs/GRO samples, fill the container to the top so that a positive meniscus is formed. Allow air bubbles to rise to the surface, carefully and quickly screw the cap onto the container and finger tighten. Invert the sample and tap it gently, looking for any air bubbles. If the sample contains air bubbles, open the container to add more water. If bubbles continue to form because the preservative is reacting with the sample matrix there are two options: 1) discard the sample with preservative, rinse the vial with sample water, discard the rinse water, and fill the container with unpreserved sample water or 2) collect the water sample in a new unpreserved sample container. The sample with preservative and the rinse water from the sample vial should be discarded with the purge water. Note that the allowable sample hold time is reduced from 14 days to 7 days for unpreserved samples. For unpreserved samples, make a note on the COC stating that the VOC sample is unpreserved and notify the technical project manager.
- For sample containers with preservative, be careful not to overfill the container, since this would dilute the preservative.
- If the sample analysis requires field filtering of the groundwater (e.g., samples for dissolved metals analysis) follow SOP 309 – Field Filtering of Groundwater Samples.
- Complete an appropriate sample container label on all containers. Include the following information: sample identification number, date and time of collection, field personnel, job site location, well number, preservation, and analysis requested. Complete the information related to sample collection and containers used on the bottom of the Groundwater Monitoring Data Sheet (Attachment A).
- Place all samples on ice in a cooler.

E.5. After Groundwater Sample Collection

- If groundwater sampling equipment is re-used between sampling points, refer to SOP 701 – Decontamination of Sampling Equipment for decontamination of groundwater sampling equipment.
- Water samples collected in the field should be recorded on the COC (see SOP 602 – Chain-of-Custody Procedures). Information recorded on the COC should be identical to the information listed on the sample container label(s).
- Arrange for pick-up/drop off of groundwater samples in laboratory-provided coolers to the analytical laboratory. If shipping of groundwater samples to the analytical laboratory is required, follow SOP 603 – Sample Shipping.

E.6. Data and Records Management

Observations should be documented on the Groundwater Monitoring Data Sheet, field report form or field logbook in accordance with SOP 101 – Field Notes and Documentation.

E.7. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

BRAUN INTERTEC

Groundwater Monitoring Data Sheet

Client Name:	Project Name:	Well # or Sample ID:
Contact:	Project Number:	Date:
Weather Conditions:		Field Personnel:

Well Information

Chronology:	Key Number:	Casing Locked: Y N
Casing Diameter, in:	X (casing conversion), gal/ft: *2" = 0.16, 4" = 0.65, 6" = 1.5*	Well Material:
Depth to Water (DTW), ft:	Well Depth (WD), ft:	Tubing Material:
Water Column (WC), ft (WD - DTW):	Well Volume, gal: WC x X =	
Equipment Used:	Pump Intake Depth, ft:	Purge Start Time:
Well Purging Procedure(s): Volume Purge Low-Flow Micropurge		

Stabilization Information

Water Meter Used:	Calibrated Today? Y N

	Time	Depth to Water (ft)	Purge Rate* ( )	Volume Purged ( )	Temp (°C)	Spec. Cond. (µS/cm)	pH	ORP** (mV)	D.O.** (mg/L)	Turbidity** (NTU)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

* Purge Rate (GPM) = Volume (ml) * 0.00026 / Time (minutes) ** If required by sampling plan

Stabilization Criteria (difference in final three well volumes or final turbidity result)	**±0.1˚C**	**±5%**	**±0.1**	**±10 mV**	**±0.5 mg/L**	**±5% if >10 NTU**
Stabilization Criteria in units (conductivity and turbidity)						
Actual differences or turbidity in final 3 well volumes						

Stabilized: Y N	Purge Rate ( ):	**Comments/Observations:**
Purge Stop Time:	Purged Dry: Y N	
Duration, min:	Final Depth to Water (ft.):	
Total Volume Purged ( ):	No. of Well Volumes Purged = Total Volume Purged / Well Volume =	

Sample Collection

Sample Date:	Color:	Odor:
Sample Time:	Phases:	Sampling Method:
Field Filtered?: Y N	Filter Method:	Parameters Filtered:

ID	**Quantity**	**Vendor**	**Sample Parameter**	**Material**	**Type**	**Volume**	**Pres.**

Duplicate Collected Here?	Y	Duplicate ID:

A. Purpose

The purpose of the Chain-of-Custody (COC) Standard Operating Procedure (SOP) is to control environmental samples from the time they are collected until custody of the samples is accepted by the laboratory sample custodian. COC documentation serves three main purposes:

- Communicates the analytical instructions from the sampler to the analytical laboratory.
- Provides a permanent record of samples provided to the laboratory.
- Documents that samples were handled only by authorized personnel and were not available for tampering prior to analysis.

A.1. Scope and Applicability

Although few environmental samples will ever be used in criminal or civil litigation cases, most samples are collected in support of government-regulated activities. In addition, it is possible that the results of the sample analyses will be used in future litigation even if none was contemplated at the time the samples were collected. Therefore, it is important that a record of sample possession (i.e., COC) be maintained, so that control of the samples from the time of collection to the time of sample laboratory check-in can be demonstrated.

Laboratory-related sample control is described in laboratory operating and quality-control documents and is not discussed in this standard operating procedure (SOP).

This procedure should be used for control of environmental samples that include, but are not limited to those of groundwater (see SOP 311 – Groundwater Sample Collection), surface water (see SOP 314 – Surface Water Sampling), soil (see SOP 208 – Soil Grab Sample Collection and SOP 209 – Soil Composite Sample Collection), air (see SOP 402 – Indoor Air Sampling), soil vapor (see SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe and SOP 405 – Sub-Slab Soil Vapor Sampling), and waste.

A.2. Summary of Method

Environmental samples are collected using methods specified in the work plan or other SOPs. The samples are collected in sampling containers for the desired analyses, preserved as appropriate, and a label is affixed to each container specifying the project name and number, sample identification, date and time of collection, and sample collector. The information is entered onto the COC form and the desired analyses are indicated on the form, which also serves as the analytical request. Sample custody (possession) is maintained individually until the samples are delivered to the laboratory sample check-in. Transfer of custody is documented on the COC form by printed name, signature, date and time.

A.3. Personnel Qualifications and Responsibilities

The sampler is responsible for understanding, implementing and documenting activities related to this SOP during field activities. The sampler is responsible for transmitting a copy of field notes that have not been forwarded to the project manager or designee, as well as a copy of the COC form(s) immediately after sample check-in. If there is more than one sampler, the lead field sampler assumes these responsibilities.

A.4. Definitions

Chain-of-Custody Procedure: A procedure whereby a sample or set of samples is maintained under physical possession or control.

Custody: Samples and data are considered to be in your custody when:

- They are in your physical possession,
- They are in your view, after being in your physical possession,
- They are in your physical possession and then locked in a room or vehicle so that tampering cannot occur, or
- They are kept in a secured area, with access restricted to authorized personnel only.

Chain-of-Custody Form: Form used to record sample identification information, test(s) requested, result reporting instructions, and sample custody.

Sample: A portion of an environmental or source matrix that is collected and used to characterize the matrix.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

Department of Transportation (DOT), United States Postal Service (USPS), and Federal Aviation Administration (FAA) shipping/labeling regulations must be followed for shipped samples.

C. Referenced SOPs

- SOP 208 – Soil Grab Sample Collection
- SOP 209 – Soil Composite Sample Collection
- SOP 314 – Surface Water Sampling
- SOP 402 – Indoor Air Sampling
- SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe
- SOP 405 – Sub-Slab Soil Vapor Sampling

D. Equipment and Supplies

- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Waterproof or indelible ink pens
- Sample labels
- Custody seals
- Chain-of-Custody (COC) forms (see SOP 602 – Chain-of-Custody Procedure)

E. Procedure

E.1. General Guidelines

- Keep the number of people involved in collecting and handling samples and data to a minimum.
- Only personnel associated with the project should handle samples and data.
- Always document the transfer of samples and data from one person to another on the COC form.
- Always accompany samples and data with the COC form.
- Samples should be uniquely identified, legibly, in permanent ink.
- Fill out the COC form as completely as possible. The sample identification information on the sample containers must match the COC form.
- Use a separate COC form for each cooler.

E.2. Completing COC Form

The COC form should be filled out by the sampler or designee as the samples are being collected and containerized.

E.3. Securing Samples

If you cannot maintain personal possession of the samples prior to sample check-in, they may be secured. A locked vehicle is considered controlled access (i.e., secured). A cooler sitting on the tailgate of a pickup truck or under an unlocked topper, out of direct view of the custodian is not secure. An unsecured cooler in a locked hotel room is also not within controlled access as hotel staff have access to the room. In this case, the cooler could be padlocked or custody seals could be used to secure the samples or cooler.

E.4. Data and Records Management

The original COC form is maintained by the laboratory in accordance with their file retention guidance. A copy of the record should be provided to the project manager or designee with a copy of the sampling field notes by the sampler immediately after sample check-in.

E.5. Quality Assurance Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

The project manager or designee should review the COC form as soon as possible after sample check-in to verify that the information on the COC form is correct.

A. Purpose

The purpose of this Standard Operating Procedure (SOP) is to describe the procedure used for proper packaging methods and shipment of samples by overnight carrier via Chain-of-Custody (COC) procedures (see SOP 602 – Chain-of-Custody Procedures).

A.1. Scope and Applicability

If samples cannot be delivered to the laboratory in person and must be shipped, the following procedures should be used.

This procedure should be used for shipping of environmental samples that include, but are not limited to those of groundwater (see SOP 311 – Groundwater Sample Collection), surface water (see SOP 314 – Surface Water Sampling), soil (see SOP 208 – Soil Grab Sample Collection and SOP 209 – Soil Composite Sample Collection), air (see SOP 402 – Indoor Air Sampling), soil vapor (see SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe and SOP 405 – Sub-Slab Soil Vapor Sampling), and waste.

A.2. Summary of Method

Environmental samples are collected using methods specified in the work plan or other SOPs. The samples are collected in sampling containers for the desired analyses, preserved as appropriate, and a label is affixed to each container specifying the project name and number, sample identification, date and time of collection, and sample collector. The information is entered onto the COC form and the desired analyses are indicated on the record, which also serves as the analytical request. Sample custody (possession) is maintained individually until the samples are delivered to the laboratory sample check-in. Transfer of custody is documented on the COC form by printed name, signature, date, and time.

A.3. Personnel Qualifications and Responsibilities

The sampler is responsible for understanding, implementing, and documenting activities related to this SOP during field activities. The sampler is responsible for transmitting a copy of field notes that have not been forwarded to the project manager or designee, as well as a copy of the COC form(s) immediately after samples are shipped. If there is more than one sampler, the lead sampler assumes these responsibilities.

A.4. Definitions

Chain-of-Custody Procedure: A procedure whereby a sample or set of samples is maintained under physical possession or control.

Custody: Samples and data are considered to be in your custody when:

- They are in your physical possession.
- They are in your view, after being in your physical possession.
- They are in your physical possession and then locked up so that tampering cannot occur.
- They are kept in a secured area, with access restricted to authorized personnel only.

Chain-of-Custody Form: Form used to record sample identification information, test(s) requested, result reporting instructions and sample custody.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

Department of Transportation (DOT), United States Postal Service (USPS), and Federal Aviation Administration (FAA) shipping/labeling regulations must be followed for shipped samples.

C. Referenced SOPs

- SOP 208 – Soil Grab Sample Collection
- SOP 209 – Soil Composite Sample Collection
- SOP 308 – Trip Blanks
- SOP 314 – Surface Water Sampling
- SOP 402 – Indoor Air Sampling
- SOP 403 – Soil Vapor Sampling from a Borehole and with a Hand Probe
- SOP 405 – Sub-Slab Soil Vapor Sampling
- SOP 602 – Chain-of-Custody Procedures

D. Equipment and Supplies

- Sample coolers or similar shipping containers (solid or liquid samples)
- Sturdy cardboard boxes (steel air canister)
- Protective wrapping and packaging materials
- Ice
- Appropriate laboratory-supplied containers and preservatives (when applicable)
- Sample labels
- Temperature blanks (one per sample cooler)
- Trip blanks, if necessary (see SOP 308 – Trip Blanks)
- Gallon-size plastic bags
- Waterproof and/or indelible ink pens
- COC forms (see SOP 602 – Chain-of-Custody Procedure)
- Custody seals
- Clear packing tape
- Shipping labels for the exterior of the shipping container
- Bill of lading for selected carrier

E. Procedure

E.1. General Guidelines

- Sample containers with solids or liquids should be placed inside of sealable plastic bags to reduce the potential for cross contamination, breakage, and melted ice getting into the samples.
- The drain plug on the cooler, if present, should be taped shut from the inside and outside.
- A layer of protective material such as bubble wrap should be placed in the bottom of the cooler.

E.2. Cooler Guidelines

- If possible, place all contents of the cooler into a large plastic bag that is tied or taped shut to avoid melted ice from leaking out of the cooler during shipping.
- Sample containers should be placed upright in the cooler, and protective material such as bubble wrap should be placed around the sample containers. Do not stack glass containers or lay them on their side, as doing so increases the chance of them breaking.
- Fill the cooler no more than 50 percent with sample containers. Fill all the remaining void space in the cooler with protective material and ice to avoid breakage during transport. At least 1/3 of total cooler space should be taken up by ice. When in doubt, use more ice.
- Ice that is double bagged in sealable plastic bags should be distributed over the top of the samples.
- Additional protective material should then be added to the cooler.
- Ensure that a temperature blank bottle and trip blank (if needed) is in each cooler and included on the COC form.
- Total weight must be less than 30 pounds.

E.3. Air Canister Guidelines

- If possible, reuse the cardboard box provided by the laboratory. If not possible, use a sturdy cardboard box to contain the air canister and associated regulator.
- Include bubble wrap as necessary to reduce movement of the canister and regulator during shipment.
- Use clear packing tape to secure the box during shipment.

E.4. COC Guidelines

- The sampler should relinquish the samples by signing and indicating the date and time that the samples were relinquished to the shipper. The shipping company agent is not required to sign the COC form.
- Field personnel should retain a copy of the COC form and attach it to the field notes.
- The COC form should be placed in a sealable plastic bag and taped to the inside of the cooler lid or placed inside the cardboard box. At least one COC form should be placed in each cooler that is sent to the laboratory.

E.5. Custody Seal Guidelines

- Close the top of the cooler and rotate/shake the cooler to verify that the contents are packed so that they do not move. Add additional protective material if needed and reclose.
- Place one custody seal on the front and on the back of the cooler in such a way that the opening of the cooler will destroy the seal. If shipping air canisters, place the custody seal where the cardboard box flaps meet.
- Tape the cooler or the cardboard box shut with clear packing tape, wrapping all the way around each end. Be sure to tape over the custody seals.

E.6. Shipping Guidelines

- Samples sent by private carrier (UPS, FedEx, etc.) will be accompanied by a bill of lading or other shipping document. Shipping documentation should be saved as part of the permanent record. DOT, USPS, and FAA shipping/labeling regulations must be followed. The contents should be described on the shipping documents as "non-hazardous environmental samples" unless the samples are known to be hazardous such as methane gas samples. If hazardous, contact the laboratory for special shipping instructions. Fill out the correct shipping paperwork with the correct shipping address for the laboratory and tape to the top of the cooler or shipping box. Wrap packing tape around the entire cooler or shipping box. Retain copies of all shipment records as provided by the shipper.
- The cooler or shipping box should be shipped to "Laboratory Sample Receiving" marked "Deliver to addressee only," and the laboratory should be notified of its approximate delivery date and time.
- Deliver the cooler or have the cooler picked up by an overnight carrier that guarantees 24-hour delivery. Consideration should be given to the expected delivery date and the weather. The preferred carriers are shown below in order of preference.
  - Contract shipper such as Speedee (Minnesota only).
  - UPS through Braun Intertec Document Center or front desk (Minneapolis only).
  - UPS through retail outlet.
  - FedEx – may require an explanation stating the container is non-hazardous or the canister is not a cylinder, contains air, is non-flammable, and is not under pressure.
  - US mail – no special marking required.

E.7. Data and Records Management

The original request for COC form is maintained by the laboratory in accordance with their file retention guidance. A copy of the record should be provided to the project manager or designee with a copy of the sampling field notes by the field personnel immediately after sample check-in.

E.8. Quality Assurance Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

The project manager or designee should review the COC form as soon as possible after sample check-in to verify that the information on the COC form is correct.

A. Purpose

The purpose of the Standard Operating Procedure (SOP) is the procedure of decontaminating reusable equipment involved in soil, groundwater, and soil vapor activities. Reusable equipment must be properly decontaminated to provide chemical analysis results which are reflective of the actual concentrations present at sampling locations, and to minimize the potential for cross-contamination between sampling locations and the transfer of contamination off-site.

Applicable soil SOPs include SOP 203 – Soil Boring Observation and Sampling, SOP 208 – Soil Grab Sample Collection, SOP 209 – Soil Composite Sample Collection, SOP 210 – Soil Stockpile Sampling, and SOP 211 – Test Pit and Test Trench Observation and Sampling.

Applicable water SOPs include SOP 301 – Water Level Measurement, SOP 302 – LNAPL Level Measurement, SOP 303 – Monitoring Well Development, SOP 304 – Slug Testing, SOP 309 – Field Filtering of Groundwater Samples, SOP 310 – Monitoring Well and Piezometer Installation, SOP 311 – Groundwater Sample Collection, SOP 312 – Well Purging and Stabilization, SOP 314 – Surface Water Sampling, and SOP 316 – Calibration of Water Meters.

The applicable soil vapor SOP includes SOP 405 – Sub-Slab Soil Vapor Sampling.

Be sure to follow the site-specific sampling plan that may require special cleaning or rinsing methods, and/or special handling and disposal of wash and rinse water (also see SOP 702 – Management of Investigation Derived Waste). Additional rinses with solvents such as hexane, acetone, or acid may be required by the site-specific sampling plan, but are not covered in this SOP.

B. Health and Safety

Field work should be performed in accordance with the *Braun Intertec Corporate Health and Safety Manual Standard Operating Procedures* and the site-specific health and safety plan (HASP).

Nitrile gloves should be worn during decontamination activities to reduce the incidence of skin contact with potentially contaminated soil/groundwater and to reduce the risk of cross-contamination. In certain situations, long-sleeved rubber gloves may be needed to prevent contact.

C. Referenced SOPs

- SOP 101 – Field Notes and Documentation
- SOP 203 – Soil Boring Observation and Sampling
- SOP 208 – Soil Grab Sample Collection
- SOP 209 – Soil Composite Sample Collection
- SOP 210 – Soil Stockpile Sampling
- SOP 211 – Test Pit and Test Trench Observation and Sampling
- SOP 301 – Water Level Measurement
- SOP 302 – LNAPL Level Measurement
- SOP 303 – Monitoring Well Development
- SOP 304 – Slug Testing
- SOP 309 – Field Filtering of Groundwater Samples
- SOP 310 – Monitoring Well and Piezometer Installation
- SOP 311 – Groundwater Sample Collection
- SOP 312 – Well Purging and Stabilization
- SOP 314 – Surface Water Sampling
- SOP 316 – Calibration of Water Meters

- SOP 405 – Sub-Slab Soil Vapor Sampling
- SOP 702 – Management of Investigation Derived Waste

D. Equipment and Supplies

- Clean tap water (for washing and rinsing soil sampling equipment)
- Distilled or deionized water (for washing and rinsing groundwater sampling equipment)
- Clean container for wash water (bucket, spray bottle, etc.)
- Phosphate-free detergent (i.e., Alconox or Liquinox in bulk containers or individual packets)
- Scrub brush (soil sampling equipment decontamination)
- Paper towels
- Field Report Form (see SOP 101 – Field Notes and Documentation) or field logbook
- Personal Protective Equipment (PPE)

E. Procedures

E.1. Soil Sampling Equipment

E.1.a. Hand Tools

Hand tools used for sampling include shovels, hand trowels, hand augers, etc. Before collecting each new soil sample, clean the equipment as follows:

- Remove loose or attached soil from the tool with a gloved hand, paper towel, or brush.
- Wash and brush the tool in a solution of phosphate-free detergent in tap water.
- Rinse the tool with tap water.
- Inspect for remaining particles or surface film, and repeat cleaning and rinsing procedures if necessary.

E.1.b. Direct-Push Sampling Equipment and Split Spoon Sampler

The drilling contractor is responsible for cleaning reusable sampling equipment; however, field personnel must ensure that proper procedures are followed. Prior to collecting each sample the reusable sampling equipment should be cleaned as follows:

- Remove loose or attached soil from the sampler components.
- Wash the sampler components in a solution of phosphate-free detergent in tap water.
- Rinse the sampler components with tap water.
- Inspect for remaining particles or surface film, and repeat cleaning and rinsing procedures if necessary.

E.1.c. Drill Rig Auger Flights

The drilling contractor is responsible for providing clean auger equipment; however, field personnel must ensure that proper procedures are followed. Prior to each use the auger flights should be cleaned as follows:

- Remove loose or attached soil from the auger flight.
- Wash the auger flight with a pressure washer and clean tap water.
- Inspect for remaining particles or surface film, and repeat cleaning and rinsing procedures if necessary.

E.2. Groundwater Sampling Equipment

E.2.a. Groundwater Measuring and Sampling Equipment

This procedure applies to all reusable equipment that will be placed into a well (including water level indicators, transducers, slugs, groundwater sample equipment, and pumps). Groundwater measuring and sampling equipment should be decontaminated after use at each well or sampling point as follows:

- Wash the exterior with a solution of phosphate-free detergent in distilled or deionized water.
- Rinse with distilled or deionized water.
- Inspect for remaining particles or surface film and repeat cleaning and rinsing procedures if necessary.
- Do not wipe dry.

E.3. Product Interface Probe

The product interface probe is only used in wells that may contain light non-aqueous phase liquid (LNAPL). Prior to each use the product interface probe should be cleaned as follows:

- After fluid levels in each well are measured, wipe the probe and tape with a paper towel.
- After returning to the office, clean the probe and tape in a solution of phosphate-free detergent and tap water. Allow the probe and tape to soak in the solution up to 24 hours, if possible.

E.4. Vapor Sampling Equipment

E.4.a. Vapor Pins® – Used for Sub-Slab Soil Gas Sampling

This office-only procedure applies solely to the Vapor Pin® itself that will be used to obtain a soil gas sample. Once the Vapor Pin® has been used it will be brought back to the office and cleaned as follows:

- Remove the silicone sleeve and discard.
- Wash the Vapor Pin® in a hot water and phosphate-free detergent wash.
- Bake in an oven to a temperature of 130°C (266°F) for at least one hour.

E.5. Data and Records Management

Observations should be documented in accordance with SOP 101 – Field Notes and Documentation.

E.6. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures described in the work plan should be followed.

Appendix D

References

Minnesota Natural Resource Atlas: mnatlas.org

Phase I Environmental Site Assessment, Festal Farms Property – Steele County, Parcel IDs: 120333201, 120332403, 12032307, 120332313, Owatonna, Minnesota, project number B2404524.

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey: http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm.