

Water Licence 8AC- EUR2331

2025 Annual Report

Eureka High Arctic Weather Station



Author

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Building Operations Lead
Environment and Climate Change Canada

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1. Introduction

The Eureka High Arctic Weather Station (HAWS; the Project; the site) is located on the north side of Slidre Fjord, at the northwestern tip of Fosheim Peninsula, Ellesmere Island, Nunavut (**Figure 1**). Since 1947, Environment & Climate Change Canada (ECCC) has owned and managed the overall operations and maintenance of the site under Land Reserve #1021. The total area of the Project is approximately 2.23 hectares. There are presently 13 primary buildings and other facilities at the HAWS, including DND and other partners facilities. The Eureka airstrip is located 1.5 kilometres northeast of the HAWS main site and is the primary way by which the HAWS is accessed year-round.

The Eureka HAWS is an operational upper air and weather monitoring facility. It is also a hub of activity for the Department of National Defence (DND) and Natural Resources Canada (NRCan). Additional sites at Eureka are operated by the Canadian Network for the Detection of Atmospheric Change - Polar Environment Atmospheric Research Lab (PEARL), Surface and Atmospheric Flux, Irradiance and Radiation Extension (SAFIRE), and Zero Altitude PEARL Auxiliary Laboratory (OPAL). (Arcadis 2018).

1.1 Purpose of this Document

The purpose of the Water License 8AC-EUR2331 Annual Report is to provide a yearly reference and summary of all works related to the License completed for the Project in 2025. The Standard NWB Reporting Form is included in **Appendix A**. Per the terms and conditions outlined in the Type 'A' Water Licence 8AC-EUR2331, this document provides the following:

- A technical summary of activities of the Project undertaken for the respective year;
- A work plan for the following year;
- An annual summary of activities related to water use and the deposit of waste on site including tables and figures that show the locations of where permitted activities were undertaken;
- Water quality monitoring results; and
- Revisions to applicable Management Plans.

1.2 Project Overview

ECCC has completed a number of construction and infrastructure upgrade projects to the Eureka HAWS, including the following:

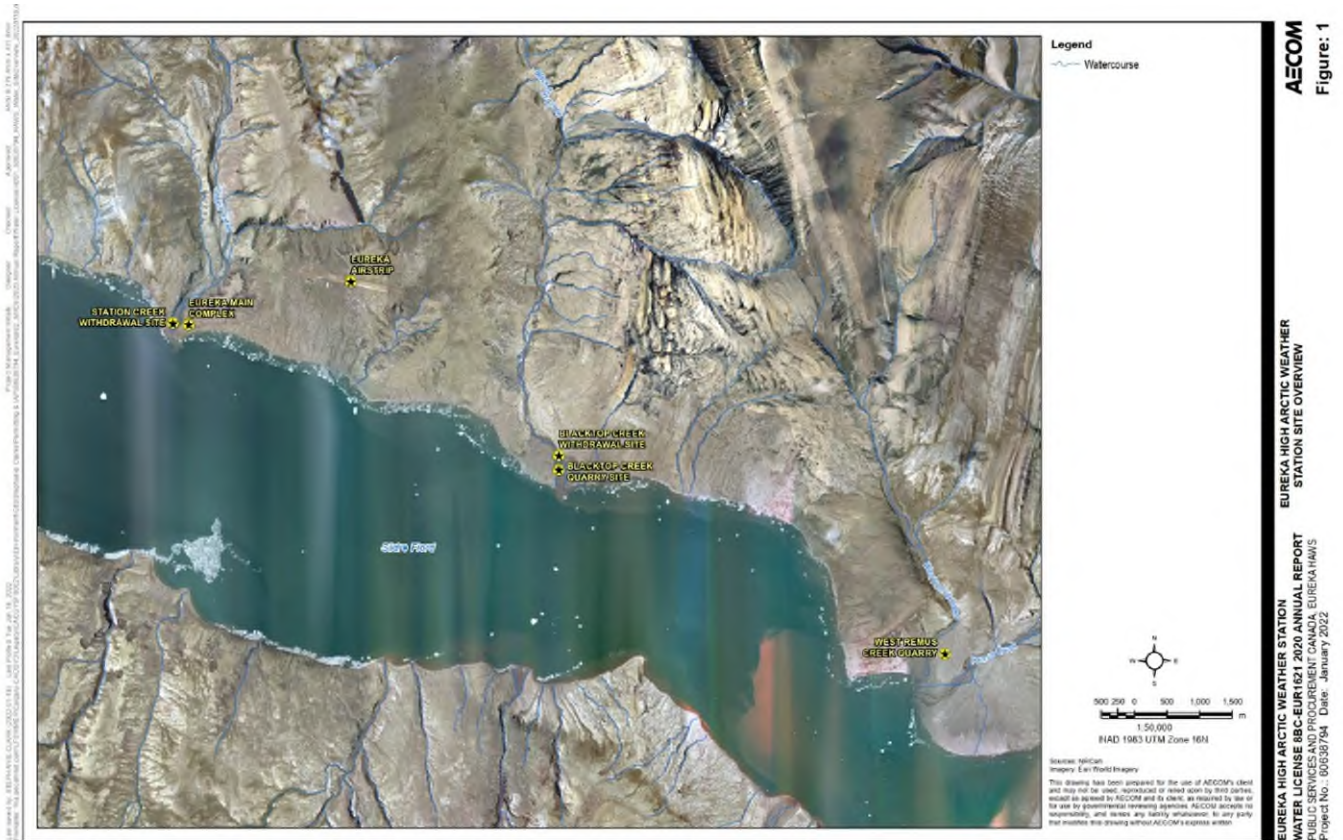
- Construction and commissioning of a new Wastewater Treatment Plant
- Development of Landfarm
- Construction and commissioning of a new freshwater reservoir
- Freshwater Treatment upgrade

The construction and infrastructure upgrade projects to the Eureka HAWS currently being undertaken or planned for include the following:

- Fuel Tank protective cages for ladders and catwalks refurbishment.
- Human Health and Ecological Risk Assessment and Remedial Action Plan

- Long Term Monitoring Plan

Figure 1: Eureka High Arctic Weather Station Site Overview



2. Technical Summary of Activities Undertaken in 2025

The Eureka HAWS maintained operational activities throughout the year at the Eureka Main Complex. A technical summary of all activities undertaken in 2025 is listed below.

- The Contaminated Soil and Landfarm Project is completed and operating. Soils from the existing landfarm and old tank farm areas have been moved into the new landfarm. 2,074.85 m³ of contaminated soil pile plus 1,352.42 m³ of contaminated soil excavation were placed in the new Landfarm, for a total of 3,427.27 m³.
- The construction camp was opened and fleet maintenance commenced on May 25, 2025.
- All necessary equipment maintenance and repairs were completed in readiness for the construction season.
- Water & Sewer Infrastructure Upgrades are commissioned and operating satisfactorily. These include: New Wastewater Treatment Plant, New Reservoirs and piping, New Domestic Water Treatment and conversion of the sewage lagoon into a clarifying pond.

Fuel resupply was achieved through air delivery, with both Summit Air and Calm Air providing bulk fuel delivery via ATR72 cargo aircraft equipped with a Transport Canada certified bladder system.

- Waste disposal and storage activities completed in 2025 included:
 - Materials from demolished buildings and steel were retrograded on sealift in September 2025. 5 seacans of asbestos materials and 6 seacans of lead paint debris were also retrograded south for proper disposal.
 - Continuing equipment maintenance will generate more waste oil products. These materials are collected and stored in double-walled steel tanks for future removal from the site.
 - Managing camp waste as follows:
 - Pacto toilets were used throughout the Nuna camp and remote wash car facilities to collect all black water waste, which was then incinerated.
 - The majority of grey water waste from the Nuna camp and remote wash car facilities was collected via a vacuum truck and deposited in the Wastewater Treatment Plant. The total quantity of grey water camp waste was 658,800 litres
 - All non-hazardous combustible kitchen and camp waste was collected and incinerated on-site in compliance with site standards.
 - Non-combustible waste generated in the camp or through construction and maintenance activities was deposited in the on-site landfill under the direction of ECCC.
- Contaminated snow and materials from a sewage overflow in January 2025 were removed.
- Contaminated snow from a diesel spill in April 2025 was removed.
- Contaminated materials from a subcontractor hydraulic fluid leak in May 2025 were removed.
- Contaminated materials from a subcontractor vehicle fluid leak in August 2025 were removed.
- All spills were reported to the emergency spill line or by email in due time.
- In 2025, under the authority of quarry permit 2024QP0002, a total volume of 8,995 cubic meters of aggregate was extracted from the West Remus Creek Quarry. This extraction increased the cumulative volume of quarried material at West Remus Creek to 456,806 cubic meters. According to the permit, this leaves a remaining volume of 42,994 cubic meters available for future extraction. No quarrying activities were conducted at either the Blacktop Quarry or the West of Eureka HAWS, which are governed by permits 2024QP003 and 2024QP001, respectively.

- The fleet and camp were winterized for the final departure of the crew on September 20, 2025.
- A new HOGEN building and hydrogen system has been installed. The system is in operation and fully functional.

Figure 2: Eureka HAWS Main Station Area



3. Work Plan for 2026

The construction program summary presented below outlines activities planned for 2026 summer field season (June – September)::

- The site will continue to operate as usual, with routine facility maintenance and runway operations.
- There will be regular maintenance work done on the runway.
- ECCC needs to improve the swales on the far side of the runway
- The Program of Works Project is entering into design for future works. It involves renovation and retrofit activities throughout the buildings on site. 9 buildings were demolished and one was restored and rejuvenated. Retrograde of materials from the demolition is anticipated to be completed within 2 years (sealift dependent).
- The West Remus Creek Quarry will remain open although presently there are no planned operations.
- The Black Top Creek Quarry will remain open although presently there are no planned operations.
- Fuel Storage Tank Inspections will continue, involving manual inspections and minor repairs of fuel storage tanks. Safety cages will be installed on the ladders and catwalks will be improved as well.
- The camp will be demobilized and retrograded south over a 2-year period starting Summer 2026 (sealift dependent).
- As part of a greening initiative, ECCC will operate an electric vehicle in Eureka. An electric charger will be installed in Spring 2026 and the Chevrolet Silverado EV will arrive on sealift.

4. Water Use

4.1 Location and Methods

The Eureka HAWS obtains its water for domestic purposes from the Eureka HAWS raw water reservoir pumphouse (**Figure 2**). The reservoir water is pumped from Station Creek using a Franklin Electric FLS-400 pump. Pumping occurs shortly after water starts flowing in Station Creek to maximize the amount of fresh runoff into the Eureka Water Reservoir. Station Creek eventually stops flowing until a second flow begins when the permafrost melts. At this time water is pumped again to ensure the Eureka Water Reservoir is full prior to freeze up. Water for construction purposes and dust suppression is withdrawn from Station Creek, Blacktop Creek, and West Remus Creek when necessary.

Location, quantities, and timeframe of withdrawal are presented in **Table 1**. Daily Quantities are included in **Appendix B**.

Table 1: Water Use Locations and Quantities at Eureka High Arctic Weather Station

| Source Description | Quantities (m ³) | Timeframe | Latitude | | | Longitude | | |
|--|------------------------------|-------------------|----------|---------|---------|-----------|---------|---------|
| | | | Deg (°) | Min (') | Sec (") | Deg (°) | Min (') | Sec (") |
| For Potable Water | | | | | | | | |
| Eureka Water Reservoir (camp potable water) | 502.74 | 2023 | 79 | 59 | 20 | 85 | 56 | 46 |
| Station Creek Withdrawal Site (Fresh water pumped into the Eureka old Water Reservoir) | 2,815.9 | July 25-August 16 | 79 | 59 | 21 | 85 | 57 | 4 |
| Station Creek Withdrawal Site (Fresh water pumped into the new Eureka Water Reservoir) | 13,023 | June 14-June 22 | 79 | 59 | 21 | 85 | 57 | 4 |
| For Construction Use | | | | | | | | |
| Station Creek Withdrawal Site | 0 | June – September | 79 | 59 | 21 | 85 | 57 | 4 |
| Blacktop Creek Withdrawal Site | 48,6 | June – September | 79 | 58 | 12 | 85 | 38 | 59 |
| West Remus Creek Withdrawal Site | 0 | June – September | 79 | 58 | 23 | 85 | 39 | 43 |

4.2 Erosion and Sedimentation/Dust Control

Dust control near the airstrip and haul roads was accomplished using water primarily from West Remus Creek. A vacuum-type water truck was used to take water from the creek and then spray on dry, dusty areas as required. No erosion control was required at the collection site.

Silt fence for erosion control was installed adjacent to the new Creek Pumphouse pad to protect Station Creek along the road or work sites. Conditions are monitored and additional silt fencing is available for use as needed.

Table 2: Locations for Waste Storage & Disposal Sites at Eureka High Arctic Weather Station

| Source Description | Latitude | | | Longitude | | |
|--|----------|---------|---------|-----------|---------|---------|
| | Deg (°) | Min (') | Sec (") | Deg (°) | Min (') | Sec (") |
| Fuel Tank Farm | 79 | 59 | 24 | 85 | 56 | 10 |
| Construction Contractor Fuel Storage | 79 | 59 | 38 | 85 | 49 | 27 |
| Asbestos Waste Facility | | | | | | |
| Drum Crushing Site | 79 | 59 | 36 | 85 | 49 | 6 |
| Non-hazardous Solid Waste Facility | 79 | 59 | 29 | 85 | 46 | 14 |
| Clarifying Pond | 79 | 59 | 23 | 85 | 50 | 11 |
| Wastewater Treatment Plant | 79 | 59 | 19 | 85 | 56 | 11 |
| New Landfarm | 79 | 59 | 25 | 85 | 43 | 42 |
| Temporary Contaminated Soil Storage - Runway | 79 | 59 | 30 | 85 | 46 | 21 |
| Airstrip Fuel Tanks | 79 | 59 | 48 | 85 | 50 | 29 |
| Incinerator | 79 | 59 | 22 | 85 | 56 | 21 |

Figure 3: Waste and Storage Facilities on the Main Complex of the Eureka High Arctic Weather Station

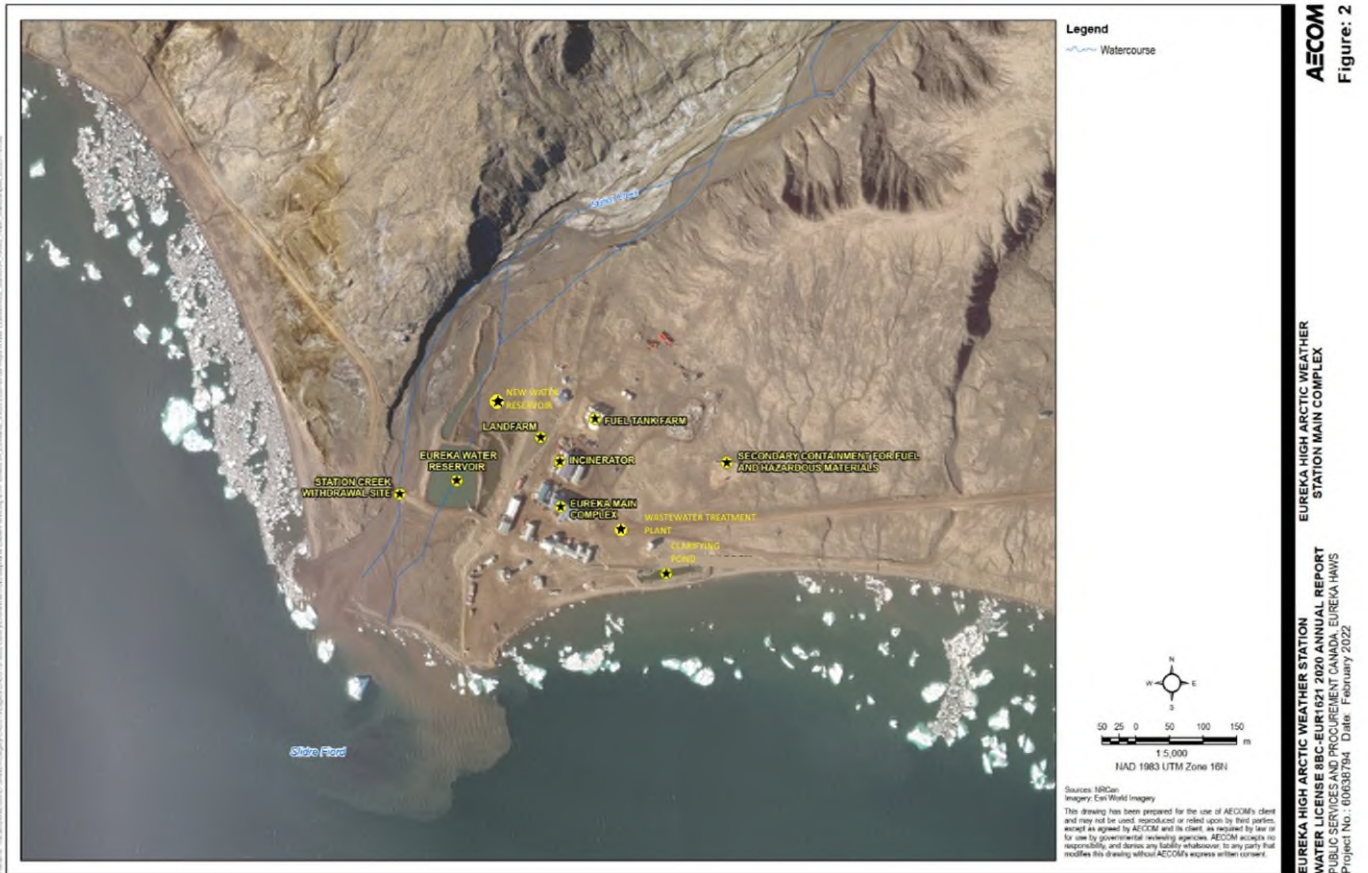
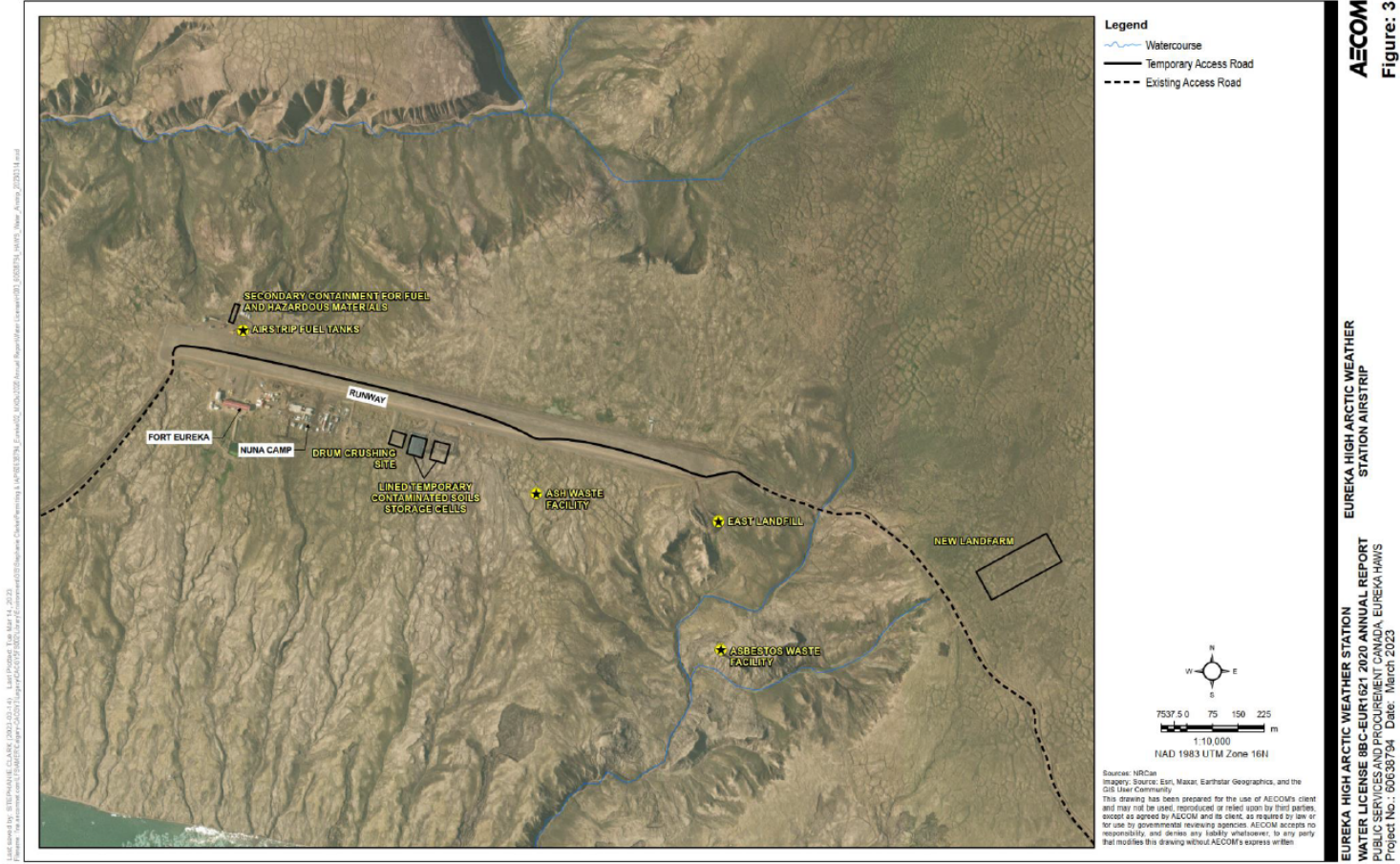


Figure 4: Waste Disposal Facilities for the Eureka High Arctic Weather Station



5.2 Unauthorized Discharge

The Eureka wastewater reservoir had reached almost maximum capacity in late July 2025. It was at risk of overflowing. Wastewater samples were taken at two different occasions. Both lab reports showed high PH non-compliant with the terms of our water license for discharge. Nevertheless, we had no other choice but to discharge in a controlled manner, rather than risking an uncontrolled overflowing. Discharge occurred over a period of 6 days, from July 26 to July 31, 2025. A spill report was filed on August 1, 2025

5.3 Quantities

The following quantities of waste were observed in 2025:

- From July 26 to July 31, 1965.4 m³ of sewage effluent was decanted into the fjord.
- The site produced 12,150 kg of household waste in 2025. Every month, it produces approximately 1,012 kilograms (kg) of household waste, which are subsequently incinerated, and the ash is sent to the burn pit. The remainder of non-incinerable waste is also transported to this Facility.

Table 4: Monthly Quantities of Solid Household Waste (kg)

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|-----|------|------|-----|------|------|-----|------|-----|-----|------|
| 1245 | 855 | 1190 | 1020 | 935 | 1040 | 1135 | 595 | 1212 | 818 | 765 | 1340 |

On an average year, 4 barrels of waste, 1 barrel of waste oil filters, 2 barrels of incinerator ash, and 1 barrel of used batteries are generated. Quantities vary from year to year. The waste barrels are then stored in a lined area in the Fuel Tank Farm until they are transported off-site for disposal at a licenced hazardous waste facility. No waste barrel was retrograded south in 2025 due to insufficient space on the sealift and logistics constraints on the part of NSSI.

- The temporary camp waste quantities were as follows:

| Incinerator Waste Disposal | | | |
|----------------------------|-------------------|--------------------------------|-----------------------|
| <u>Month</u> | <u>Bags Burnt</u> | <u>Ash Barrels to Landfill</u> | <u>Approx. m3 ash</u> |
| May | 10 | 1 | 0.15 |
| June | 376 | 0 | 0 |
| July | 408 | 0 | 0 |
| Aug | 542 | 0 | 0 |
| Sept | 322 | 1 | 0.15 |
| Total | 1648 | 2 | 0.3 |

6. Water Quality Monitoring Results

Routine water quality samples were collected in 2025 as part of the Water Licence Monitoring Program at the following location:

- EUR 3: Sewage water sample collected at the Clarifying Pond prior to decanting

Water quality samples were not taken at other four monitoring locations due to the absence of runoff.

There were no seeps observed within the quarry during the 2025 construction season. Ongoing melt water from within the watershed is present from time to time within the quarry and natural drainage paths at various times throughout the season. Thawing of permafrost at the base of the active layer after removal of thawed quarry materials was observed throughout West Remus quarry. Further thawing allowed melt water to naturally subside.

Water quality results after treatment collected in July were compared to the maximum concentration of parameters allowed in the Type 'A' Water Licence 8AC-EUR2331 and are presented in **Table 3. Appendix C** contains the laboratory data. No exceedances were reported from the water quality samples in relation to the water license. **Table 3** presents a comparison of WWTP influent VS effluent. Treated effluent are compliant with the terms of our license.

Table 3: Wastewater Quality Parameters and Results

Clarifying Pond results from Sampling on July 7, 2025

| Parameter | Units | EUR-3 | Maximum Concentration Guideline |
|---------------------------|---------------|------------------|---------------------------------|
| Biochemical Oxygen Demand | mg/L | 83 | 25 |
| Total Suspended Solids | mg/L | 138 | 25 |
| Fecal Coliforms | CFU/100 mL | 1060 | 200 |
| pH | pH units | 9,63 | 6.0-9.0 |
| Oil and Grease | Visible sheen | No Visible Sheen | No Visible Sheen |

*Below the detection limit

Influent

| Parameter | Units | Result | Maximum Concentration Guideline |
|---------------------------|---------------|------------------|---------------------------------|
| Biochemical Oxygen Demand | mg/L | 551 | 25 |
| Total Suspended Solids | mg/L | 265 | 25 |
| Fecal Coliforms | CFU/100 mL | 119000000 | 200 |
| pH | pH units | 7.58 | 6.0-9.0 |
| Oil and Grease | Visible sheen | No Visible Sheen | No Visible Sheen |

*Below the detection limit

Treated Effluent

| Parameter | Units | Result | Maximum Concentration Guideline |
|---------------------------|---------------|------------------|---------------------------------|
| Biochemical Oxygen Demand | mg/L | 10 | 25 |
| Total Suspended Solids | mg/L | 18 | 25 |
| Fecal Coliforms | CFU/100 mL | 85 | 200 |
| pH | pH units | 7.84 | 6.0-9.0 |
| Oil and Grease | Visible sheen | No Visible Sheen | No Visible Sheen |

*Below the detection limit

Results obtained at EUR-3 in July 2025 prior to decant are normal considering the WWTP became fully operational in **September 2025**. Therefore, the pond still contained untreated sewage from 2024 and 2025.

Domestic water sampling was conducted in August and included sample collection of raw water in the freshwater lagoon, chlorinated water in the Eureka Main Complex Tank, pumphouse water tank, tap water and reverse osmosis drinking water.

All water quality sampling results are provided in **Appendix C**.

7. Water License Inspection

There was no inspection performed in 2025.

Ongoing work site inspections throughout the work season include inspections of all fuel tanks for leakage/damage. Areas of concern noted during these daily inspections are documented through the reporting system as either a Spill or Equipment Damage event.

8. Revisions to Applicable Management Plans

A revised Remedial Action Plan was submitted on March 31, 2023 as part of the application package to request for an Amendment related to construction of the new Soil Treatment Facility/landfarm. This revised version supersedes the original 2021 submission.

9. Progressive Reclamation Work Undertaken in 2025

Reclamation of the depleted areas of East Remus quarry was completed in August 2025. Reclamation activities included shaping and sloping of the disturbed areas to create positive drainage and natural looking surface contours, similar to the appearance prior to disturbance. The natural drainage path through the quarry area was maintained/restored at completion of the Project.

10. Public Consultation

The nearest communities in Grise Fiord, Nunavut, were notified to the HAWS construction activities by email in March and April 2025. The Hamlet Council of Grise Fiord and the Iviq Hunters and Trappers Organization were both contacted regarding this Project.

11. Closure

Should the Nunavut Water Board have any questions or concerns regarding this document, please contact the undersigned.

Sincerely,
Environment and Climate Change Canada

Jean-Philippe Cloutier-Dussault
Building Operations Coordinator, Workplace Solutions
Division
Environment and Climate Change Canada /
Government of Canada
jean-philippe.cloutier-dussault@ec.gc.ca / Tel. : 514-
641-8753

12. References

Arcadis Canada Inc. (Arcadis), 2018:

Environmental Impact Assessment Addendum for the High Arctic Weather Station Project Improvements for: Construction of New Road, Construction of Water Crossing over Black Top Creek, and Development of New Quarry Site. March 2018. Prepared for Public Services and Procurement Canada.

CCME (Canadian Council for Ministers of the Environment), 2001:

Canadian Water Quality Guidelines for the Protections of Aquatic Life. CCME Water Quality Index 1.0 Technical Report. 13pp.

Health Canada, 2020:

Guidelines for Canadian Drinking Water Quality—Summary Table. Water and Air Quality Bureau, Healthy Environments and Consumer Safety Branch, Health Canada, Ottawa, Ontario.

Appendix A

Daily Quantities of Water Withdrawn

2025 EUREKA WATER LICENCE PUMPING DATA

FRESH WATER CAPTURE:

Fresh water pumped from station creek runoff into new reservoir using two honda 4 inch trash pumps.

| | | | |
|------------|-------|-----|------------|
| Pump: | Honda | 4" | Trash pump |
| Flow Rate: | | 181 | Gal/Min |

| DATE | Pump # | START 24 hr clock | STOP 24 hr clock | TIME RUN (HH:MM:SS) | Gauge before | Gauge after | Water Pumped (cubic meters) | Water Pumped (imp. gal.) |
|-----------------------|--------|----------------------|---------------------|------------------------|----------------------|-------------|--------------------------------|-----------------------------|
| June 14th, 2025. | 1 | 8:30 | 17:07 | 8:37:56 | | | 425,00 | 93 486,93 |
| June 14th, 2025. | 2 | 8:31 | 17:08 | 8:37:56 | | | 425,00 | 93 486,93 |
| June 15th, 2025. | 1 | 6:20 | 19:11 | 12:51:25 | | | 633,00 | 139 240,53 |
| June 15th, 2025. | 2 | 6:21 | 19:12 | 12:51:25 | | | 633,00 | 139 240,53 |
| June 16th, 2025. | 1 | 6:18 | 18:42 | 12:24:36 | | | 611,00 | 134 401,21 |
| June 16th, 2025. | 2 | 6:19 | 18:43 | 12:24:36 | | | 611,00 | 134 401,21 |
| June 17th, 2025. | 1 | 6:35 | 23:31 | 16:56:22 | | | 834,00 | 183 454,35 |
| June 17th, 2025. | 2 | 6:36 | 23:33 | 16:57:35 | | | 835,00 | 183 674,32 |
| June 18th, 2025. | 1 | 6:22 | 2:18 | 19:56:44 | | | 982,00 | 216 009,80 |
| June 18th, 2025. | 2 | 6:23 | 2:20 | 19:57:57 | | | 983,00 | 216 229,77 |
| June 19th, 2025. | 1 | 6:26 | 2:12 | 19:46:59 | | | 974,00 | 214 250,05 |
| June 19th, 2025. | 2 | 6:27 | 2:13 | 19:46:59 | | | 974,00 | 214 250,05 |
| June 20th, 2025. | 1 | 6:15 | 2:06 | 19:51:51 | | | 978,00 | 215 129,92 |
| June 20th, 2025. | 2 | 6:16 | 2:07 | 19:51:51 | | | 978,00 | 215 129,92 |
| June 21st, 2025. | 1 | 6:17 | 2:27 | 20:10:08 | | | 993,00 | 218 429,46 |
| June 21st, 2025. | 2 | 6:18 | 2:28 | 20:10:08 | | | 993,00 | 218 429,46 |
| June 22nd, 2025. | 1 | 6:25 | 8:02 | 1:37:30 | | | 80,00 | 17 597,54 |
| June 22nd, 2025. | 2 | 6:26 | 8:04 | 1:38:43 | | | 81,00 | 17 817,51 |
| Total Hours Operated: | | | | 264:30:41 | Total Volume Pumped: | | 13023,00 | 2865060 |

| Total water captured | Measured | Calculated (from previous sheet) | Total captured |
|----------------------|-------------|-------------------------------------|----------------|
| Cubic Metre | 13023,00 | | 13023,00 |
| Litres | 13007372,40 | 0,00 | 13007372,40 |
| Gallons | 2865060,00 | | 2865060,00 |

Appendix B

Water Quality Sampling Data

Canadian Association for Laboratory Accreditation Inc.



Certificate of Accreditation

Taiga Environmental Laboratory
Government of Northwest Territories (GNWT)
4601 - 52nd Avenue
P.O. Box 1320
Yellowknife, Northwest Territories

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Accreditation No.: 1002635
Issued On: 10/25/2023
Accreditation Date: 1/3/2005
Expiry Date: 4/25/2026

President and CEO



This certificate is the property of the Canadian Association for Laboratory Accreditation Inc. and must be returned on request; reproduction must follow policy in place at date of issue.
For the specific tests to which this accreditation applies, please refer to the laboratory's scope of accreditation at www.cala.ca.



Don Lavallee
Station Program Manager – Eureka Weather Station
Upper Air Operations
Atmospheric Monitoring & Data Services Division
Meteorological Service of Canada
Environment & Climate Change Canada
Eureka, Nunavut XOA 0G0

**Re: Water License 8AC-EUR2331
Eureka High Arctic Weather Station**

**Submitted: July 15, 2024
Reviewed: July 19, 2024**

Thank you for the submission of the Quality Assurance and Quality Control Plan prepared by Environmental and Climate Change Canada. As per the Nunavut Water Board requirements in granting a license, the Eureka High Arctic Weather Station QA/QC plan has been reviewed and found to be complete. Approval of the proposal is hereby granted.

If you have any questions or require further information, please do not hesitate to contact me at (867) 767-9235 x53154 or via email at Glen_Hudy@gov.nt.ca.

Sincerely,

Glen Hudy
Quality Control Officer
Analyst under the Northwest Territories Waters Act



Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
250908

- FINAL REPORT -

Prepared For: **Environment Canada**

Address: **123 Main Street**
Suite 150
Winnipeg, MB
R3C 4W2

Attn: **Renee Cossitt**

Facsimile:

Final report has been reviewed and approved by:

Bradley Koswan
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.
- All data provided by the customer will be represented by the blue colour used in this statement.

ReportDate: **Monday, July 28, 2025**
Print Date: **Monday, July 28, 2025**

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
250908

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

Client Project: Sewage Lagoon Acct# 0002039055
 Sample Type: Sewage Lagoon
 Received Date: 08-Jul-25
 Sampling Date: 07-Jul-25
 Sampling Time: 15:30
 Location: Eureka, Nunavut
 Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|--------|-----------------|----------|---------------|---------------------|-----------|
| <u>Cations by ICP-MS</u> | | | | | | |
| Calcium | 71.8 | 0.1 | mg/L | 10-Jul-25 | TEL035 | |
| Hardness | 402 | 0.7 | mg/L | 10-Jul-25 | TEL035 | |
| Magnesium | 54.3 | 0.1 | mg/L | 10-Jul-25 | TEL035 | |
| Potassium | 22.7 | 0.1 | mg/L | 10-Jul-25 | TEL035 | |
| Sodium | 356 | 0.1 | mg/L | 10-Jul-25 | TEL035 | |
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | 5.07 | 0.02 | mg/L | 09-Jul-25 | TEL068 | 210 |
| Biochemical Oxygen Demand | 83 | 2 | mg/L | 08-Jul-25 | TEL019 | 246 |
| Organic Carbon, Total | 55.2 | 0.5 | mg/L | 24-Jul-25 | TEL033 | |
| Phosphorous, Total | 3.18 | 0.004 | mg/L | 16-Jul-25 | TEL069 | 210 |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 139 | 0.4 | mg/L | 08-Jul-25 | TEL060 | |
| Conductivity, Specific (@25C) | 2460 | 0.4 | µS/cm | 08-Jul-25 | TEL059 | |
| pH | 9.63 | | pH units | 08-Jul-25 | TEL058 | |
| Solids, Total Suspended | 138 | 3 | mg/L | 15-Jul-25 | TEL008 | |
| <u>Major Ions</u> | | | | | | |

ReportDate: Monday, July 28, 2025
 Print Date: Monday, July 28, 2025

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Taiga Batch No.:
250908

- CERTIFICATE OF ANALYSIS -

| Client Sample ID: EUR-3 | | Taiga Sample ID: 001 | | | | |
|-------------------------------|-------------|----------------------|-----------|-----------|--------------|-----|
| Chloride | 593 | 7.7 | mg/L | 11-Jul-25 | TEL055 | 210 |
| Nitrate as Nitrogen | 0.04 | 0.01 | mg/L | 11-Jul-25 | TEL055 | |
| Nitrate+Nitrite as Nitrogen | 0.04 | 0.01 | mg/L | 11-Jul-25 | TEL055 | |
| Sulphate | 220 | 11 | mg/L | 11-Jul-25 | TEL055 | 210 |
| Microbiology | | | | | | |
| Coliforms, Fecal | 1060 | 10 | CFU/100mL | 08-Jul-25 | TEL017 | 210 |
| Organics | | | | | | |
| Oil and Grease, visible | Non-visible | | | 15-Jul-25 | Visual Exam | |
| Subcontracted Organics | | | | | | |
| Phenols, Total | < 0.0020 | 0.002 | mg/L | 11-Jul-25 | AB ENV.06537 | 207 |
| Trace Metals, Total | | | | | | |
| Aluminum | 326 | 0.6 | µg/L | 16-Jul-25 | TEL035 | |
| Antimony | 0.3 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Arsenic | 2.3 | 0.2 | µg/L | 16-Jul-25 | TEL035 | |
| Barium | 16.0 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Beryllium | < 0.1 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Cadmium | < 0.04 | 0.04 | µg/L | 16-Jul-25 | TEL035 | |
| Cesium | < 0.1 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Chromium | 1.6 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Cobalt | 1.6 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Copper | 24.6 | 0.2 | µg/L | 16-Jul-25 | TEL035 | |
| Iron | 1220 | 5 | µg/L | 16-Jul-25 | TEL035 | |
| Lead | 0.7 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Lithium | 18.1 | 0.2 | µg/L | 16-Jul-25 | TEL035 | |
| Manganese | 136 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |
| Molybdenum | 1.9 | 0.1 | µg/L | 16-Jul-25 | TEL035 | |

ReportDate: Monday, July 28, 2025
Print Date: Monday, July 28, 2025

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
250908

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

| | | | | | |
|-----------|-------|-----|------|-----------|--------|
| Nickel | 5.3 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Rubidium | 11.0 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Selenium | 1.5 | 0.3 | µg/L | 16-Jul-25 | TEL035 |
| Silver | < 0.1 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Strontium | 364 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Thallium | < 0.1 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Titanium | 7.1 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Uranium | 0.5 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Vanadium | 2.0 | 0.1 | µg/L | 16-Jul-25 | TEL035 |
| Zinc | 21.6 | 0.4 | µg/L | 16-Jul-25 | TEL035 |

ReportDate: Monday, July 28, 2025
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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
250908

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

- DATA QUALIFIERS -

Data Qualifier Descriptions:

- 207 *Detection limit adjusted due to sample matrix effects*
- 210 *Detection limit adjusted for required dilution.*
- 246 *pH adjusted before analysis*

* Taiga analytical methods are based on the following standard analytical methods
SM - Standard Methods for the Examination of Water and Wastewater
EPA - United States Environmental Protection Agency



Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
251021

- FINAL REPORT -

Prepared For: [Environment Canada](#)

Address: [123 Main Street](#)
[Suite 150](#)
[Winnipeg, MB](#)
[R3C 4W2](#)

Attn: [Renee Cossitt](#)

Facsimile:

Final report has been reviewed and approved by:

Bradley Koswan
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.
- All data provided by the customer will be represented by the blue colour used in this statement.

ReportDate: Thursday, August 7, 2025

Print Date: Thursday, August 7, 2025

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251021

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

Client Project: Sewage Lagoon

Sample Type: Sewage Lagoon

Received Date: 21-Jul-25

Sampling Date: 20-Jul-25

Sampling Time: 14:30

Location: Eureka, Nunavut

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|--------|-----------------|----------|---------------|---------------------|-----------|
| <u>Cations by ICP-MS</u> | | | | | | |
| Calcium | 69.3 | 0.1 | mg/L | 22-Jul-25 | TEL035 | |
| Hardness | 393 | 0.7 | mg/L | 22-Jul-25 | TEL035 | |
| Magnesium | 53.7 | 0.1 | mg/L | 22-Jul-25 | TEL035 | |
| Potassium | 20.5 | 0.1 | mg/L | 22-Jul-25 | TEL035 | |
| Sodium | 356 | 0.1 | mg/L | 22-Jul-25 | TEL035 | |
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | 2.91 | 0.055 | mg/L | 21-Jul-25 | TEL068 | 210 |
| Biochemical Oxygen Demand | 75 | 2 | mg/L | 21-Jul-25 | TEL019 | 246 |
| Organic Carbon, Total | 70.8 | 0.5 | mg/L | 27-Jul-25 | TEL033 | |
| Phosphorous, Total | 3.54 | 0.042 | mg/L | 26-Jul-25 | TEL069 | 210 |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 138 | 0.4 | mg/L | 21-Jul-25 | TEL060 | |
| Conductivity, Specific (@25C) | 2440 | 0.4 | µS/cm | 21-Jul-25 | TEL059 | |
| pH | 9.64 | | pH units | 21-Jul-25 | TEL058 | |
| Solids, Total Suspended | 160 | 3 | mg/L | 25-Jul-25 | TEL008 | |

Major Ions

ReportDate: Thursday, August 7, 2025

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Taiga Batch No.:
251021

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

| | | | | | | |
|-------------------------------|-------------|-------|------|-----------|--------------|-----|
| Chloride | 595 | 7.7 | mg/L | 22-Jul-25 | TEL055 | 210 |
| Nitrate as Nitrogen | 0.03 | 0.01 | mg/L | 22-Jul-25 | TEL055 | |
| Nitrate+Nitrite as Nitrogen | 1.26 | 0.01 | mg/L | 22-Jul-25 | TEL055 | |
| Sulphate | 211 | 11 | mg/L | 22-Jul-25 | TEL055 | 210 |
| Organics | | | | | | |
| Oil and Grease, visible | Non-visible | | | 23-Jul-25 | Visual Exam | |
| Subcontracted Organics | | | | | | |
| Phenols, Total | 0.0019 | 0.001 | mg/L | 24-Jul-25 | AB ENV.06537 | |
| Trace Metals, Total | | | | | | |
| Aluminum | 492 | 0.6 | µg/L | 24-Jul-25 | TEL035 | |
| Antimony | 0.3 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Arsenic | 2.8 | 0.2 | µg/L | 24-Jul-25 | TEL035 | |
| Barium | 17.7 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Beryllium | < 0.1 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Cadmium | 0.05 | 0.04 | µg/L | 24-Jul-25 | TEL035 | |
| Cesium | 0.1 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Chromium | 1.5 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Cobalt | 1.8 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Copper | 27.1 | 0.2 | µg/L | 24-Jul-25 | TEL035 | |
| Iron | 1760 | 5 | µg/L | 24-Jul-25 | TEL035 | |
| Lead | 1.0 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Lithium | 17.0 | 0.2 | µg/L | 24-Jul-25 | TEL035 | |
| Manganese | 177 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Molybdenum | 1.8 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Nickel | 6.0 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |
| Rubidium | 11.7 | 0.1 | µg/L | 24-Jul-25 | TEL035 | |

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251021

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

| | | | | | |
|-----------|-------|-----|------|-----------|--------|
| Selenium | 1.2 | 0.3 | µg/L | 24-Jul-25 | TEL035 |
| Silver | < 0.1 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Strontium | 358 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Thallium | < 0.1 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Titanium | 11.3 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Uranium | 0.5 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Vanadium | 2.5 | 0.1 | µg/L | 24-Jul-25 | TEL035 |
| Zinc | 24.6 | 0.4 | µg/L | 24-Jul-25 | TEL035 |

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Taiga Batch No.:
251021

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUR-3

Taiga Sample ID: 001

- DATA QUALIFIERS -

Data Qualifier Descriptions:

- 210 *Detection limit adjusted for required dilution.*
- 246 *pH adjusted before analysis*

* Taiga analytical methods are based on the following standard analytical methods
SM - Standard Methods for the Examination of Water and Wastewater
EPA - United States Environmental Protection Agency



Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
251187

- FINAL REPORT -

Prepared For: **Environment Canada**

Address: **123 Main Street**
Suite 150
Winnipeg, MB
R3C 4W2

Attn: **Renee Cossitt**

Facsimile:

Final report has been reviewed and approved by:

Bradley Koswan
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.
- All data provided by the customer will be represented by the blue colour used in this statement.

ReportDate: Friday, August 22, 2025
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Taiga Batch No.:
251187

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-Filtered

Taiga Sample ID: 001

Client Project: Domestic Water

Sample Type: Fresh Water - Post Filtration

Received Date: 13-Aug-25

Sampling Date: 12-Aug-25

Sampling Time: 15:50

Location: Eureka, NU

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|--------|-----------------|-----------|---------------|---------------------|-----------|
| <u>Cations by ICP-MS</u> | | | | | | |
| Calcium | 34.6 | 0.1 | mg/L | 15-Aug-25 | TEL035 | |
| Hardness | 154 | 0.7 | mg/L | 15-Aug-25 | TEL035 | |
| Magnesium | 16.5 | 0.1 | mg/L | 15-Aug-25 | TEL035 | |
| Sodium | 37.4 | 0.1 | mg/L | 15-Aug-25 | TEL035 | |
| <u>Inorganics - Nutrients</u> | | | | | | |
| Organic Carbon, Total | < 0.5 | 0.5 | mg/L | 22-Aug-25 | TEL033 | |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 38.4 | 0.4 | mg/L | 13-Aug-25 | TEL060 | |
| Conductivity, Specific (@25C) | 520 | 0.4 | µS/cm | 13-Aug-25 | TEL059 | |
| pH | 6.33 | | pH units | 13-Aug-25 | TEL058 | |
| Solids, Total Suspended | < 3 | 3 | mg/L | 18-Aug-25 | TEL008 | |
| Turbidity | 0.08 | 0.05 | NTU | 14-Aug-25 | TEL006 | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Total | < 1.0 | 1 | MPN/100ml | 13-Aug-25 | TEL053 | |
| Escherichia coli | < 1.0 | 1 | MPN/100ml | 13-Aug-25 | TEL053 | |
| <u>Organics</u> | | | | | | |

ReportDate: Friday, August 22, 2025

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251187

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-Filtered

Taiga Sample ID: 001

| | | | | | |
|-----------------------------------|--------|------|------|-----------|--------|
| Bromodichloromethane | < 1.0 | 1 | ug/L | 19-Aug-25 | TEL074 |
| Bromoform | < 1.0 | 1 | ug/L | 19-Aug-25 | TEL074 |
| Chloroform | < 1.0 | 1 | ug/L | 19-Aug-25 | TEL074 |
| Dibromochloromethane | < 1.0 | 1 | ug/L | 19-Aug-25 | TEL074 |
| Trihalomethanes, Total (calc.) | 1.7 | 1 | ug/L | 19-Aug-25 | TEL074 |
| <u>Trace Metals, Total</u> | | | | | |
| Aluminum | 8.1 | 0.6 | ug/L | 15-Aug-25 | TEL035 |
| Antimony | 3.6 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Arsenic | 0.5 | 0.2 | ug/L | 15-Aug-25 | TEL035 |
| Barium | 19.6 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Beryllium | < 0.1 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Cadmium | < 0.04 | 0.04 | ug/L | 15-Aug-25 | TEL035 |
| Cesium | < 0.1 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Chromium | < 0.1 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Cobalt | 0.8 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Copper | 0.3 | 0.2 | ug/L | 15-Aug-25 | TEL035 |
| Iron | < 5 | 5 | ug/L | 15-Aug-25 | TEL035 |
| Lead | < 0.1 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Lithium | 15.9 | 0.2 | ug/L | 15-Aug-25 | TEL035 |
| Manganese | 92.3 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Molybdenum | 1.4 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Nickel | 1.9 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Rubidium | 0.9 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Selenium | 5.6 | 0.3 | ug/L | 15-Aug-25 | TEL035 |
| Silver | < 0.1 | 0.1 | ug/L | 15-Aug-25 | TEL035 |
| Strontium | 135 | 0.1 | ug/L | 15-Aug-25 | TEL035 |

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251187

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-Filtered

Taiga Sample ID: 001

| | | | | | |
|----------|-------|-----|------|-----------|--------|
| Thallium | < 0.1 | 0.1 | µg/L | 15-Aug-25 | TEL035 |
| Titanium | 0.3 | 0.1 | µg/L | 15-Aug-25 | TEL035 |
| Uranium | < 0.1 | 0.1 | µg/L | 15-Aug-25 | TEL035 |
| Vanadium | 0.6 | 0.1 | µg/L | 15-Aug-25 | TEL035 |
| Zinc | 3.4 | 0.4 | µg/L | 15-Aug-25 | TEL035 |

ReportDate: Friday, August 22, 2025
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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251187

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-Filtered

Taiga Sample ID: 001

* Taiga analytical methods are based on the following standard analytical methods
SM - Standard Methods for the Examination of Water and Wastewater
EPA - United States Environmental Protection Agency

ReportDate: Friday, August 22, 2025
Print Date: Friday, August 22, 2025

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
251258

- FINAL REPORT -

Prepared For: Environment Canada

Address: 123 Main Street
Suite 150
Winnipeg, MB
R3C 4W2

Attn: Renee Cossitt

Facsimile:

Final report has been reviewed and approved by:

Bradley Koswan
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
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 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
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- All data provided by the customer will be represented by the blue colour used in this statement.

ReportDate: Monday, September 8, 2025
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Taiga Batch No.:
251258

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-BULK

Taiga Sample ID: 001

Client Project: Domestic Water
 Sample Type: Power House Tank
 Received Date: 21-Aug-25
 Sampling Date: 18-Aug-25
 Sampling Time: 16:50
 Location: Eureka, Nunavut
 Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|--------|-----------------|----------|---------------|---------------------|-----------|
| <u>Cations by ICP-MS</u> | | | | | | |
| Calcium | 30.4 | 0.1 | mg/L | 28-Aug-25 | TEL035 | |
| Hardness | 136 | 0.7 | mg/L | 28-Aug-25 | TEL035 | |
| Magnesium | 14.6 | 0.1 | mg/L | 28-Aug-25 | TEL035 | |
| Sodium | 26.3 | 0.1 | mg/L | 28-Aug-25 | TEL035 | |
| <u>Inorganics - Nutrients</u> | | | | | | |
| Organic Carbon, Total | < 0.5 | 0.5 | mg/L | 29-Aug-25 | TEL033 | |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 17.5 | 0.4 | mg/L | 21-Aug-25 | TEL060 | |
| Conductivity, Specific (@25C) | 412 | 0.4 | µS/cm | 21-Aug-25 | TEL059 | |
| pH | 6.22 | | pH units | 21-Aug-25 | TEL058 | |
| Solids, Total Suspended | < 3 | 3 | mg/L | 26-Aug-25 | TEL008 | |
| Turbidity | 4.58 | 0.05 | NTU | 22-Aug-25 | TEL006 | |
| <u>Organics</u> | | | | | | |
| Bromodichloromethane | 1.4 | 1 | ug/L | 30-Aug-25 | TEL074 | |
| Bromoform | < 1.0 | 1 | ug/L | 30-Aug-25 | TEL074 | |
| Chloroform | 1.1 | 1 | ug/L | 30-Aug-25 | TEL074 | |

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Government of Northwest Territories
Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251258

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-BULK

Taiga Sample ID: 001

| | | | | | |
|-----------------------------------|--------|------|------|-----------|--------|
| Dibromochloromethane | 2.1 | 1 | ug/L | 30-Aug-25 | TEL074 |
| Trihalomethanes, Total (calc.) | 5.5 | 1 | ug/L | 30-Aug-25 | TEL074 |
| <u>Trace Metals, Total</u> | | | | | |
| Aluminum | 245 | 0.6 | ug/L | 29-Aug-25 | TEL035 |
| Antimony | 0.2 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Arsenic | 0.2 | 0.2 | ug/L | 29-Aug-25 | TEL035 |
| Barium | 6.7 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Beryllium | < 0.1 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Cadmium | < 0.04 | 0.04 | ug/L | 29-Aug-25 | TEL035 |
| Cesium | < 0.1 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Chromium | 0.2 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Cobalt | 0.6 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Copper | 9.7 | 0.2 | ug/L | 29-Aug-25 | TEL035 |
| Iron | 482 | 5 | ug/L | 29-Aug-25 | TEL035 |
| Lead | 1.2 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Lithium | 13.8 | 0.2 | ug/L | 29-Aug-25 | TEL035 |
| Manganese | 79.9 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Molybdenum | 0.7 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Nickel | 1.9 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Rubidium | 1.2 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Selenium | 3.5 | 0.3 | ug/L | 29-Aug-25 | TEL035 |
| Silver | < 0.1 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Strontium | 97.6 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Thallium | < 0.1 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Titanium | 4.7 | 0.1 | ug/L | 29-Aug-25 | TEL035 |
| Uranium | < 0.1 | 0.1 | ug/L | 29-Aug-25 | TEL035 |

ReportDate: Monday, September 8, 2025

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251258

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-BULK

Taiga Sample ID: 001

| | | | | | |
|----------|------|-----|------|-----------|--------|
| Vanadium | 0.4 | 0.1 | µg/L | 29-Aug-25 | TEL035 |
| Zinc | 27.9 | 0.4 | µg/L | 29-Aug-25 | TEL035 |

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251258

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EU-BULK

Taiga Sample ID: 001

* Taiga analytical methods are based on the following standard analytical methods
SM - Standard Methods for the Examination of Water and Wastewater
EPA - United States Environmental Protection Agency

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Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
251511

- FINAL REPORT -

Prepared For: **Nuna East Ltd**

Address: **14, 6194 - 50 Street**
Edmonton, AB
T6B 2N7

Attn: **Sara Irvine**

Facsimile:

Final report has been reviewed and approved by:

Bradley Koswan
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.
- All data provided by the customer will be represented by the blue colour used in this statement.

ReportDate: Monday, October 6, 2025
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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251511

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **COMP-INF-25SEP**

Taiga Sample ID: 001

Client Project: **Eureka Water and Sewer**
 Sample Type: **Influent**
 Received Date: **26-Sep-25**
 Sampling Date: **25-Sep-25**
 Sampling Time: **12:00**
 Location: **Eureka, NU**
 Report Status: **Final**

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|------------|-----------------|-----------|---------------|---------------------|-----------|
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | 113 | 0.42 | mg/L | 29-Sep-25 | TEL068 | 210 |
| Biochemical Oxygen Demand | 551 | 2 | mg/L | 26-Sep-25 | TEL019 | |
| Chemical Oxygen Demand | 1060 | 50 | mg/L | 29-Sep-25 | TEL016 | 210 |
| Phosphorous, Total | 12.9 | 0.022 | mg/L | 03-Oct-25 | TEL069 | 210 |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 390 | 0.4 | mg/L | 26-Sep-25 | TEL060 | |
| pH | 7.58 | | pH units | 26-Sep-25 | TEL058 | |
| Solids, Total Suspended | 265 | 3 | mg/L | 01-Oct-25 | TEL008 | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | 119000000 | 1000000 | CFU/100mL | 26-Sep-25 | TEL017 | 210 |
| Coliforms, Total | 1120000000 | 1000000 | MPN/100mL | 26-Sep-25 | TEL053 | 210 |
| <u>Subcontracted Nutrients</u> | | | | | | |
| Kjeldahl Nitrogen, Total | 118 | 0.05 | mg/L | 02-Oct-25 | APHA4500-NORG (T | |

Report Date: **Monday, October 6, 2025**
 Print Date: **Monday, October 6, 2025**

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Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

Taiga Batch No.:
251511

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **COMP-EFF-25SEP**

Taiga Sample ID: 002

Client Project: **Eureka Water and Sewer**

Sample Type: **Treated Effluent**

Received Date: **26-Sep-25**

Sampling Date: **25-Sep-25**

Sampling Time: **12:00**

Location: **Eureka, NU**

Report Status: **Final**

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|---|--------|-----------------|-----------|---------------|---------------------|----------|
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | 8.48 | 0.005 | mg/L | 29-Sep-25 | TEL068 | |
| Biochemical Oxygen Demand | 10 | 2 | mg/L | 26-Sep-25 | TEL019 | |
| Chemical Oxygen Demand | 101 | 5 | mg/L | 29-Sep-25 | TEL016 | |
| Phosphorous, Total | 5.65 | 0.008 | mg/L | 03-Oct-25 | TEL069 | 210 |
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 330 | 0.4 | mg/L | 26-Sep-25 | TEL060 | |
| pH | 7.84 | | pH units | 26-Sep-25 | TEL058 | |
| Solids, Total Suspended | 18 | 3 | mg/L | 01-Oct-25 | TEL008 | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | 85 | 1 | CFU/100mL | 26-Sep-25 | TEL017 | |
| Coliforms, Total | 1730 | 10 | MPN/100mL | 26-Sep-25 | TEL053 | 210 |

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Taiga Batch No.:
251511

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **COMP-EFF-25SEP**

Taiga Sample ID: 002

- DATA QUALIFIERS -

Data Qualifier Descriptions:

210 *Detection limit adjusted for required dilution.*

- * Taiga analytical methods are based on the following standard analytical methods
 - SM - Standard Methods for the Examination of Water and Wastewater
 - EPA - United States Environmental Protection Agency

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Appendix C

Temporary Camp Waste and Water Tracking

| Camp Waste - 2025 | | | CAMP WATER USE - 2025 - | | | | Dust Suppression - Haul Rds | | | | RWR Filling | | SUMMARY | | |
|-------------------|-----------------------|---------------------------|---|--------------------------------------|------------------|---|-----------------------------|--------------------------------------|------------------|---------------------------------------|------------------|------------------------------------|------------------|---------------------------|-------------------|
| DATE | # of Incinerated Bags | # of Ash Bins to Landfill | Approx. Tank volume 90% of rated 12,000 L capacity. | Fresh Water Intake - Weather Station | | Grey Water Discharge - Grey Water Field (Nuna Camp) | | Draw Point - Black Top Creek (EUR-8) | | Draw Point - West Remus Creek (EUR-7) | | Draw Point - Station Creek (EUR-1) | | Daily Total - All Sources | |
| | | | Date | Load Count | Approx. Vol. (L) | Load Count | Approx. Vol. (L) | Load Count | Approx. Vol. (L) | Load Count | Approx. Vol. (L) | Load Count | Approx. Vol. (L) | Load Count | Approx. Vol. (m3) |
| 25-May | 0 | 0 | 25-May | 3 | 32,400 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 26-May | 0 | 1 | 26-May | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 27-May | 6 | 0 | 27-May | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 28-May | 6 | 0 | 28-May | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 29-May | 6 | 0 | 29-May | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 30-May | 6 | 0 | 30-May | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 31-May | 6 | 0 | 31-May | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 1-Jun | 6 | 0 | 1-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 2-Jun | 6 | 0 | 2-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 3-Jun | 11 | 0 | 3-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 4-Jun | 11 | 0 | 4-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 5-Jun | 11 | 0 | 5-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 6-Jun | 11 | 0 | 6-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 7-Jun | 11 | 0 | 7-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 8-Jun | 11 | 0 | 8-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 9-Jun | 11 | 0 | 9-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 10-Jun | 11 | 0 | 10-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 11-Jun | 19 | 0 | 11-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 12-Jun | 19 | 0 | 12-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 13-Jun | 21 | 0 | 13-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 14-Jun | 12 | 0 | 14-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 15-Jun | 12 | 0 | 15-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 16-Jun | 10 | 0 | 16-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 17-Jun | 11 | 0 | 17-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 18-Jun | 10 | 0 | 18-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 19-Jun | 21 | 0 | 19-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 20-Jun | 19 | 0 | 20-Jun | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 21-Jun | 10 | 0 | 21-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 22-Jun | 11 | 0 | 22-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 23-Jun | 10 | 0 | 23-Jun | 2 | 21,600 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 24-Jun | 11 | 0 | 24-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 25-Jun | 17 | 0 | 25-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 26-Jun | 11 | 0 | 26-Jun | 2 | 21,600 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 27-Jun | 10 | 0 | 27-Jun | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 28-Jun | 11 | 0 | 28-Jun | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 29-Jun | 12 | 0 | 29-Jun | 2 | 21,600 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 30-Jun | 19 | 0 | 30-Jun | 1 | 10,800 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 1-Jul | 11 | 0 | 1-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 2-Jul | 10 | 0 | 2-Jul | 0 | 0 | 1 | 10,800 | 2 | 21,600 | | 0 | | 0 | | 22 |
| 3-Jul | 10 | 0 | 3-Jul | 2 | 21,600 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 4-Jul | 11 | 0 | 4-Jul | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 5-Jul | 11 | 0 | 5-Jul | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 6-Jul | 11 | 0 | 6-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 7-Jul | 20 | 0 | 7-Jul | 0 | 0 | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 11 |
| 8-Jul | 9 | 0 | 8-Jul | 1.5 | 16,200 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 9-Jul | 10 | 0 | 9-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 10-Jul | 12 | 0 | 10-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 11-Jul | 10 | 0 | 11-Jul | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 12-Jul | 10 | 0 | 12-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 13-Jul | 11 | 0 | 13-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 14-Jul | 11 | 0 | 14-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 15-Jul | 11 | 0 | 15-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 16-Jul | 10 | 0 | 16-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 17-Jul | 11 | 0 | 17-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 18-Jul | 12 | 0 | 18-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 19-Jul | 10 | 0 | 19-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 20-Jul | 12 | 0 | 20-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 21-Jul | 11 | 0 | 21-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 22-Jul | 11 | 0 | 22-Jul | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 23-Jul | 19 | 0 | 23-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 24-Jul | 20 | 0 | 24-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 25-Jul | 19 | 0 | 25-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 26-Jul | 16 | 0 | 26-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 27-Jul | 17 | 0 | 27-Jul | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 28-Jul | 16 | 0 | 28-Jul | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 29-Jul | 19 | 0 | 29-Jul | 0 | 0 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 30-Jul | 20 | 0 | 30-Jul | 2 | 21,600 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 31-Jul | 17 | 0 | 31-Jul | 1 | 10,800 | 0 | 0 | 1.5 | 16,200 | | 0 | | 0 | | 16 |
| 1-Aug | 19 | 0 | 1-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 2-Aug | 10 | 0 | 2-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 3-Aug | 11 | 0 | 3-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 4-Aug | 12 | 0 | 4-Aug | 1.5 | 16,200 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 5-Aug | 17 | 0 | 5-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 6-Aug | 18 | 0 | 6-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 7-Aug | 16 | 0 | 7-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 8-Aug | 17 | 0 | 8-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 9-Aug | 18 | 0 | 9-Aug | 1.5 | 16,200 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 10-Aug | 19 | 0 | 10-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 11-Aug | 20 | 0 | 11-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 12-Aug | 22 | 0 | 12-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 13-Aug | 18 | 0 | 13-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 14-Aug | 19 | 0 | 14-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 15-Aug | 16 | 0 | 15-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 16-Aug | 18 | 0 | 16-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 17-Aug | 21 | 0 | 17-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 18-Aug | 20 | 0 | 18-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 19-Aug | 23 | 0 | 19-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 20-Aug | 21 | 0 | 20-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 1-Aug | 19 | 0 | 21-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 2-Aug | 18 | 0 | 22-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 3-Aug | 17 | 0 | 23-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 4-Aug | 15 | 0 | 24-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 5-Aug | 18 | 0 | 25-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 6-Aug | 18 | 0 | 26-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 7-Aug | 16 | 0 | 27-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 8-Aug | 17 | 0 | 28-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 9-Aug | 12 | 0 | 29-Aug | 1 | 10,800 | 1 | 10,800 | | 0 | | 0 | | 0 | | 0 |
| 10-Aug | 18 | 0 | 30-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 11-Aug | 19 | 0 | 31-Aug | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |
| 1-Sep | 13 | 0 | 1-Sep | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 |

| | | | | | | | | | | | | |
|--------|----|---|--------------|-------------|----------------|-----------|----------------|------------|--------------|----------|----------|-------------|
| 2-Sep | 15 | 0 | 2-Sep | 1 | 10,800 | 1 | 10,800 | 0 | 0 | 0 | 0 | 0 |
| 3-Sep | 14 | 0 | 3-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-Sep | 12 | 0 | 4-Sep | 1 | 10,800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5-Sep | 12 | 0 | 5-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6-Sep | 19 | 0 | 6-Sep | 1 | 10,800 | 1 | 10,800 | 0 | 0 | 0 | 0 | 0 |
| 7-Sep | 25 | 0 | 7-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8-Sep | 23 | 0 | 8-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9-Sep | 10 | 0 | 9-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-Sep | 4 | 0 | 10-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11-Sep | 20 | 0 | 11-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12-Sep | 34 | 0 | 12-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13-Sep | 12 | 0 | 13-Sep | 1 | 10,800 | 1 | 10,800 | 0 | 0 | 0 | 0 | 0 |
| 14-Sep | 24 | 0 | 14-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-Sep | 23 | 0 | 15-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16-Sep | 19 | 0 | 16-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17-Sep | 21 | 0 | 17-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18-Sep | 6 | 0 | 18-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19-Sep | 7 | 0 | 19-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-Sep | 9 | 1 | 20-Sep | 0 | 0 | 1 | 10,800 | 0 | 0 | 0 | 0 | 0 |
| | | | TOTAL | 58.5 | 631,800 | 61 | 658,800 | 4.5 | 48600 | 0 | 0 | 48.6 |

| Month | Litres Used | Man-Days |
|----------------------------------|-------------|---------------|
| May | 54000 | 95 |
| June | 172800 | 1241 |
| July | 199800 | 1282 |
| Aug | 162000 | 841 |
| Sept | 43200 | 199 |
| Total Camp Mandays | | 3658 |
| Total Fresh Water | | 631800 |
| Average litres/person-day | | 172.7 |

| Month | Litres Discharged | Man-Days |
|----------------------------------|-------------------|---------------|
| May | 21600 | 95 |
| June | 216000 | 1241 |
| July | 226800 | 1282 |
| Aug | 151200 | 841 |
| Sept | 43200 | 199 |
| Total Camp Mandays | | 3658 |
| Total Grey Water | | 658800 |
| Average litres/person-day | | 180.1 |

| Month | Litres Used | Draw Point |
|---------------------|---------------|------------|
| May | 0 | |
| June | 0 | |
| July | 48,600 | EUR-8 |
| Aug | 0 | |
| Sept | 0 | |
| Total Litres | 48,600 | |

| Month | Bags Burnt | Ash Barrels to Landfill | Approx. m3 ash |
|--------------|-------------|-------------------------|----------------|
| May | 10 | 1 | 0.15 |
| June | 376 | 0 | 0 |
| July | 408 | 0 | 0 |
| Aug | 542 | 0 | 0 |
| Sept | 322 | 1 | 0.15 |
| Total | 1648 | 2 | 0.3 |

| Month | Volume (L) | Draw Point |
|--------------|-------------------|------------|
| May | 0 | |
| June | 13,007,372 | EUR-1 |
| July | 0 | |
| Aug | 0 | |
| Sept | 0 | |
| Total | 13,007,372 | |