ANNUAL REPORT
FOR THE MUNICIPALITY OF BAKER LAKE

YEAR BEING REPORTED: 2024

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence No. **3BM-BAK 1526** issued to the **Municipality of Baker Lake**.

Below are tabular summaries of all data generated under the "Monitoring Program".

I. Monthly and annual quantities of freshwater obtained by daily logs for all freshwater sources and estimated sewage waste discharged.

Table 1: Summary of water obtained from the lake and estimated sewage water discharge in m^3

Month Reported	Quantity of Water Obtained from all sources (m^3)	Quantity of Sewage Waste Discharged (m^3)
January	5,801.585	Same
February	5,470.961	Same
March	5,698.681	Same
April	6,085.084	Same
May	6,146.995	Same
June	6,066.890	Same
July	6,639.314	Same
August	6,318.131	Same
September	6,571.704	Same
October	6,752.745	Same
November	6,163.914	Same
December	6,097.814	Same
ANNUAL TOTAL	**73,818.818**	**Same**

Note: There is no meter existing at the end of the Sewage Truck discharge pipe. Therefore, the monthly sewage discharge volume is assumed to be equal to the monthly water consumption volume.

II. A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities:
- None

III. A list of unauthorized discharges and summary of follow-up action taken:
- No unauthorized discharges for the infrastructure under licence 3BM-BAK1526 occurred in 2024.
- List of spills reported to the NT-NU Spill Report Line as listed on the Hazardous Materials Spills Database for Baker Lake in 2024 available in Appendix A.

IV. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year:
- None

V. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned:
- Design of the upgraded wastewater treatment system (sewage lagoon and wetlands) expected to begin in fiscal year 2025/26.

VI. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
- None

VII. updates or revisions to the approved Operation and Maintenance Plans:
- None

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Water Licencing Sampling Points:

BAK-2: Runoff from the Waste Disposal Facilities just prior to the inlet to Airplane Lake, prior to the culvert
BAK-3: Outlet of Airplane Lake at water's edge
BAK-4: Runoff from the Solid Waste Disposal Facilities prior to Finger Lake
BAK-5: Finger Lake at outlet of Wetland

- Annual sampling (during periods of flow) conducted at BAK-2, BAK-3 and BAK-4. Results in Appendix C with comparison to effluent quality limits in Appendix D.
- Municipality did not conducted monthly (during periods of flow) at BAK-2.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

- None

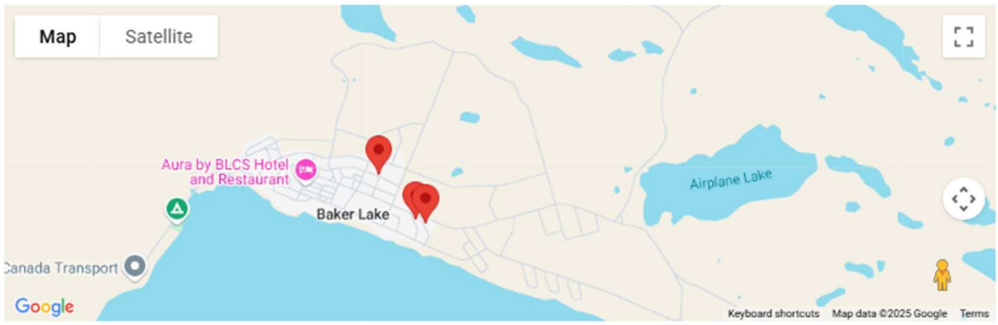
Appendix A: Hazardous Materials Spills Database for Baker Lake in 2024

Appendix B: CIRNAC Inspection Report – August 8, 2024

Appendix C: Sampling Results
Certificate of Analysis – August 8, 2024

Appendix D: BAK-5 Effluent Quality Limits

Appendix A: Hazardous Materials Spills Database for Baker Lake in 2024



Spill	Occurance Date	Spill Region	Location	Location Description	Product Spilled	Quantity	Measurement	Spill Cause	Lead Agency
spill-2024155	May 13, 2024	Kivalliq	Baker Lake	Baker Lake	Petroleum - fuel oil (jet A, diesel, turbo A, heat)	1000.00	Liters	Tank Leak	GN - Government of Nunavut
spill-2024119	April 23, 2024	Kivalliq	Baker Lake	7070-8 Crescent Baker Lake	Wastewater/impacted water	Unknown Quantity		Tank Leak	GN - Government of Nunavut
spill-2024075	March 19, 2024		Baker Lake	4034, 7th St Baker Lake	Petroleum - fuel oil (jet A, diesel, turbo A, heat)	Unknown Quantity		Pipe Leaks	GN - Government of Nunavut
spill-2024012	January 10, 2024	Kivalliq	Baker Lake	3071 6th Ave. Baker Lake	Petroleum - fuel oil (jet A, diesel, turbo A, heat)	500.00	Liters	Collision or Crash	GN - Government of Nunavut

Outside of Municipal boundary.

Appendix B: CIRNAC Inspection Report – August 8, 2024

Water Licence Inspection Report

☒Original
☐Follow-Up Report

Organization	Representative
Hamlet of Baker Lake	**Sheldon Dorey**
Authorization No. / Expiry	**Representative's Title**
3BM-BAK1526	**Senior Administrative Officer**
Inspection Date	**Inspector**
August 8th 2024	**RMO Atuat Shouldice**
Other Authorization/s	

Activities Inspected

☐ **Camp, Commercial** ☐ **Drilling** ☐ **Mining** ☐ **Construction** ☐ **Reclamation** ☐ **Fuel Storage** ☐ **Roads/Hauling** ☐ **Winter Hauling**
☐ **Camp, Private** ☒ **Other Municipal**

Section 1 Comments

On August 8th 2024 an inspection was conducted of Water Licence 3BM-BAK1526 (Licence) Hamlet of . Resource Management Officer Atuat Shouldice (Inspector) for Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) was accompanied by Ryan Kum Municipal Engineering Officer, Government of Nunavut, Community and Government Services(CGS). Sampling was conducted by both parties at compliance points identified under licence.

-Landfill and domestic waste
Open burning of municipal waste shall be conducted only in accordance with the Government of Nunavut's Environmental Guideline for the Burning and Incineration of Solid Waste (2012), at the designated location at the Solid Waste Disposal Facility, during inspection conditions were being followed under water licence conditions Part D item 7. Photo #1

-Hazardous waste storage
The Hamlet has been colleting discarded batteries, empty propane, waste oil and storing items in segregated location within landfill. The hamlet is following Licence conditions item Part E item 7. Photo #2

-Sewage Disposal Facility (SDF)
Sewage is discharged in to a Holding Cells used to store and pretreat Sewage before discharge into the Wetland Area. Photo #3

-Water Supply Facility
Water is pumped directly from Baker Lake, metering is done within facility during truck fill. Photo #4

-Administrative
As of October 31st , 2024, The 2023 annual report was not submitted to the Nunavut Water Board.

Section 2 Non-Compliance with Choose an item.

Non-Compliance with the Licence:

- Part B Item 1: Failure to submit annual report

Section 3 Action Required
The Licensee shall: • Submit information and work with CGS to allow submission of the annual report by the 21st of November 2024.
Section 4 Other

Licensee or Representative	Inspector's Name
Sheldon Dorey	Atuat Shouldice
Signature	**Signature**
Date	**Date**
	October 31st 2024

Office Use Only: Follow-up report to be issued by Inspector	☐ Yes ☐ No

PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
Thursday, August 8, 2024	3BM-BAK1526	Samsung S21	Atuat Shouldice

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 1	N 64 19' 42.56" W95 59' 51.37"

Description:
Waste disposal facility

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2	N 64 19’ 42.56” W95 59’ 51.37”

Description:
Designated location for hazardous material within landfill

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3	N64 19’ 45.12” W96 0’ 17.30”

Description:
Holding cell at Sewage disposal facility

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 4	N64 18’ 57.22” W96 1’ 0.34”

Description:

Meter at Raw water intake with in Water Supply facility

Appendix C: Sampling Results

CERTIFICATE OF ANALYSIS

Work Order	: **WP2419679**	Page	: 1 of 6
Client	: **Hamlet of Baker Lake**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Sheldon Dorey	Account Manager	: Craig Riddell
Address	: PO BOX 149 Baker Lake NU Canada X0C 0A0	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	: 867 793 2874	Telephone	: +1 204 255 9720
Project	: ----	Date Samples Received	: 14-Aug-2024 16:00
PO	: ----	Date Analysis Commenced	: 12-Aug-2024
C-O-C number	: ----	Issue Date	: 28-Aug-2024 21:27
Sampler	: ----		
Site	: ----		
Quote number	: 2024 Analytical Testing		
No. of samples received	: 3		
No. of samples analysed	: 3		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Oleksandr Busel		Inorganics, Winnipeg, Manitoba
Oleksandr Busel		Metals, Winnipeg, Manitoba
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Organics, Waterloo, Ontario
William Lake	Analyst	Microbiology, Winnipeg, Manitoba

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	no units
µS/cm	microsiemens per centimetre
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	BAK-2	BAK-3	BAK-5	----	----
					Client sampling date / time	08-Aug-2024 11:25	08-Aug-2024 11:50	08-Aug-2024 11:20	----	----
						WP2419679-001	WP2419679-002	WP2419679-003	--------	--------
						Result	Result	Result	----	----
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	----	E290/WP	1.0	mg/L		21.3	20.1	58.7	----	----
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/WP	1.0	mg/L		26.0	24.5	71.6	----	----
Alkalinity, carbonate (as CaCO3)	----	E290/WP	1.0	mg/L		<1.0	<1.0	<1.0	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/WP	1.0	mg/L		<1.0	<1.0	<1.0	----	----
Alkalinity, hydroxide (as CaCO3)	----	E290/WP	1.0	mg/L		<1.0	<1.0	<1.0	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/WP	1.0	mg/L		<1.0	<1.0	<1.0	----	----
Alkalinity, total (as CaCO3)	----	E290/WP	1.0	mg/L		21.3	20.1	58.7	----	----
Conductivity	----	E100/WP	2.0	µS/cm		93.7	93.8	329	----	----
Hardness (as CaCO3), dissolved	----	EC100/WP	0.50	mg/L		24.9	25.0	48.6	----	----
pH	----	E108/WP	0.10	pH units		7.16	7.09	7.31	----	----
Solids, total suspended [TSS]	----	E160/WP	3.0	mg/L		79.0	124	44.0	----	----
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/WP	0.0050	mg/L		0.0163	0.0159	5.41	----	----
Chloride	16887-00-6	E235.Cl/WP	0.50	mg/L		10.9	11.0	54.6	----	----
Nitrate (as N)	14797-55-8	E235.NO3/WP	0.020	mg/L		<0.020	<0.020	0.711	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/WP	0.0050	mg/L		<0.0224	<0.0224	1.10	----	----
Nitrite (as N)	14797-65-0	E235.NO2/WP	0.010	mg/L		<0.010	<0.010	0.394	----	----
Phosphorus, total	7723-14-0	E372/WP	0.020	mg/L		0.132	0.271	1.58	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/WP	0.30	mg/L		5.00	4.92	6.80	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC-H/WP	10	MPN/100mL		<10	<10	430	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/WP	0.0030	mg/L		0.0644	0.174	0.152	----	----
Antimony, total	7440-36-0	E420/WP	0.00010	mg/L		<0.00010	<0.00010	0.00014	----	----
Arsenic, total	7440-38-2	E420/WP	0.00010	mg/L		0.00078	0.00084	0.00153	----	----
Barium, total	7440-39-3	E420/WP	0.00010	mg/L		0.0438	0.0491	0.0449	----	----
Beryllium, total	7440-41-7	E420/WP	0.000020	mg/L		<0.000020	<0.000020	<0.000020	----	----
Bismuth, total	7440-69-9	E420/WP	0.000050	mg/L		<0.000050	<0.000050	0.000234	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	BAK-2	BAK-3	BAK-5	----	----
					Client sampling date / time	08-Aug-2024 11:25	08-Aug-2024 11:50	08-Aug-2024 11:20	----	----
						WP2419679-001	WP2419679-002	WP2419679-003	--------	--------
						Result	Result	Result	----	----
Total Metals										
Boron, total	7440-42-8	E420/WP	0.010	mg/L		0.018	0.017	0.096	----	----
Cadmium, total	7440-43-9	E420/WP	0.0000050	mg/L		0.0000088	0.0000158	0.0000123	----	----
Calcium, total	7440-70-2	E420/WP	0.050	mg/L		8.72	9.60	15.1	----	----
Cesium, total	7440-46-2	E420/WP	0.000010	mg/L		0.000014	0.000044	0.000041	----	----
Chromium, total	7440-47-3	E420/WP	0.00050	mg/L		0.00057	<0.00050	<0.00050	----	----
Cobalt, total	7440-48-4	E420/WP	0.00010	mg/L		0.00022	0.00035	0.00043	----	----
Copper, total	7440-50-8	E420/WP	0.00050	mg/L		0.00186	0.00240	0.00949	----	----
Iron, total	7439-89-6	E420/WP	0.010	mg/L		0.440	0.768	1.28	----	----
Lead, total	7439-92-1	E420/WP	0.000050	mg/L		0.000115	0.000274	0.000400	----	----
Lithium, total	7439-93-2	E420/WP	0.0010	mg/L		<0.0010	<0.0010	0.0014	----	----
Magnesium, total	7439-95-4	E420/WP	0.0050	mg/L		1.64	1.65	3.88	----	----
Manganese, total	7439-96-5	E420/WP	0.00010	mg/L		0.0463	0.0684	0.117	----	----
Mercury, total	7439-97-6	E508/WP	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	----	----
Molybdenum, total	7439-98-7	E420/WP	0.000050	mg/L		0.000466	0.000414	0.000356	----	----
Nickel, total	7440-02-0	E420/WP	0.00050	mg/L		0.00090	0.00099	0.00144	----	----
Phosphorus, total	7723-14-0	E420/WP	0.050	mg/L		0.107	0.149	1.66	----	----
Potassium, total	7440-09-7	E420/WP	0.050	mg/L		1.34	1.39	7.19	----	----
Rubidium, total	7440-17-7	E420/WP	0.00020	mg/L		0.00138	0.00157	0.00723	----	----
Selenium, total	7782-49-2	E420/WP	0.000050	mg/L		<0.000050	<0.000050	0.000120	----	----
Silicon, total	7440-21-3	E420/WP	0.10	mg/L		0.54	0.68	1.99	----	----
Silver, total	7440-22-4	E420/WP	0.000010	mg/L		<0.000010	<0.000010	0.000036	----	----
Sodium, total	7440-23-5	E420/WP	0.050	mg/L		5.48	5.50	30.8	----	----
Strontium, total	7440-24-6	E420/WP	0.00020	mg/L		0.0341	0.0369	0.0602	----	----
Sulfur, total	7704-34-9	E420/WP	0.50	mg/L		1.78	1.84	3.31	----	----
Tellurium, total	13494-80-9	E420/WP	0.00020	mg/L		Not Detected	Not Detected	Not Detected	----	----
Thallium, total	7440-28-0	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	----	----
Thorium, total	7440-29-1	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	----	----
Tin, total	7440-31-5	E420/WP	0.00010	mg/L		Not Detected	<0.00010	0.00019	----	----
Titanium, total	7440-32-6	E420/WP	0.00030	mg/L		0.00246	0.00908	0.00520	----	----
Tungsten, total	7440-33-7	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	----	----

Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	BAK-2	BAK-3	BAK-5	----	----
					Client sampling date / time	08-Aug-2024 11:25	08-Aug-2024 11:50	08-Aug-2024 11:20	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2419679-001	WP2419679-002	WP2419679-003	--------	--------
						Result	Result	Result	----	----
Total Metals										
Uranium, total	7440-61-1	E420/WP	0.000010	mg/L		0.000074	0.000113	0.000132	----	----
Vanadium, total	7440-62-2	E420/WP	0.00050	mg/L		<0.00050	0.00084	0.00134	----	----
Zinc, total	7440-66-6	E420/WP	0.0030	mg/L		0.0045	0.0094	0.0365	----	----
Zirconium, total	7440-67-7	E420/WP	0.00020	mg/L		<0.00020	<0.00020	0.00052	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/WP	0.0010	mg/L		0.0024	0.0032	0.0400	----	----
Antimony, dissolved	7440-36-0	E421/WP	0.00010	mg/L		<0.00010	<0.00010	0.00011	----	----
Arsenic, dissolved	7440-38-2	E421/WP	0.00010	mg/L		0.00052	0.00050	0.00135	----	----
Barium, dissolved	7440-39-3	E421/WP	0.00010	mg/L		0.0364	0.0404	0.0250	----	----
Beryllium, dissolved	7440-41-7	E421/WP	0.000020	mg/L		Not Detected	Not Detected	<0.000020	----	----
Bismuth, dissolved	7440-69-9	E421/WP	0.000050	mg/L		Not Detected	Not Detected	0.000080	----	----
Boron, dissolved	7440-42-8	E421/WP	0.010	mg/L		0.016	0.016	0.097	----	----
Cadmium, dissolved	7440-43-9	E421/WP	0.0000050	mg/L		Not Detected	Not Detected	Not Detected	----	----
Calcium, dissolved	7440-70-2	E421/WP	0.050	mg/L		7.60	7.62	13.1	----	----
Cesium, dissolved	7440-46-2	E421/WP	0.000010	mg/L		<0.000010	0.000014	0.000025	----	----
Chromium, dissolved	7440-47-3	E421/WP	0.00050	mg/L		Not Detected	Not Detected	<0.00050	----	----
Cobalt, dissolved	7440-48-4	E421/WP	0.00010	mg/L		<0.00010	<0.00010	0.00027	----	----
Copper, dissolved	7440-50-8	E421/WP	0.00020	mg/L		0.00124	0.00139	0.00544	----	----
Iron, dissolved	7439-89-6	E421/WP	0.010	mg/L		0.012	0.019	0.561	----	----
Lead, dissolved	7439-92-1	E421/WP	0.000050	mg/L		Not Detected	Not Detected	0.000093	----	----
Lithium, dissolved	7439-93-2	E421/WP	0.0010	mg/L		<0.0010	0.0011	0.0015	----	----
Magnesium, dissolved	7439-95-4	E421/WP	0.0050	mg/L		1.45	1.44	3.86	----	----
Manganese, dissolved	7439-96-5	E421/WP	0.00010	mg/L		0.00028	0.00065	0.0195	----	----
Molybdenum, dissolved	7439-98-7	E421/WP	0.000050	mg/L		0.000416	0.000380	0.000296	----	----
Nickel, dissolved	7440-02-0	E421/WP	0.00050	mg/L		<0.00050	<0.00050	0.00100	----	----
Phosphorus, dissolved	7723-14-0	E421/WP	0.050	mg/L		<0.050	<0.050	1.08	----	----
Potassium, dissolved	7440-09-7	E421/WP	0.050	mg/L		1.34	1.39	7.29	----	----
Rubidium, dissolved	7440-17-7	E421/WP	0.00020	mg/L		0.00119	0.00127	0.00677	----	----
Selenium, dissolved	7782-49-2	E421/WP	0.000050	mg/L		<0.000050	<0.000050	0.000114	----	----
Silicon, dissolved	7440-21-3	E421/WP	0.050	mg/L		0.414	0.405	1.80	----	----

Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	BAK-2	BAK-3	BAK-5	----	----
					Client sampling date / time	08-Aug-2024 11:25	08-Aug-2024 11:50	08-Aug-2024 11:20	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2419679-001	WP2419679-002	WP2419679-003	--------	--------
						Result	Result	Result	----	----
Dissolved Metals										
Silver, dissolved	7440-22-4	E421/WP	0.000010	mg/L		0.000018	<0.000010	0.000037	----	----
Sodium, dissolved	7440-23-5	E421/WP	0.050	mg/L		5.64	5.67	31.7	----	----
Strontium, dissolved	7440-24-6	E421/WP	0.00020	mg/L		0.0310	0.0314	0.0504	----	----
Sulfur, dissolved	7704-34-9	E421/WP	0.50	mg/L		1.75	1.86	3.00	----	----
Tellurium, dissolved	13494-80-9	E421/WP	0.00020	mg/L		<0.00020	Not Detected	Not Detected	----	----
Thallium, dissolved	7440-28-0	E421/WP	0.000010	mg/L		<0.000010	<0.000010	Not Detected	----	----
Thorium, dissolved	7440-29-1	E421/WP	0.00010	mg/L		Not Detected	Not Detected	<0.00010	----	----
Tin, dissolved	7440-31-5	E421/WP	0.00010	mg/L		Not Detected	Not Detected	<0.00010	----	----
Titanium, dissolved	7440-32-6	E421/WP	0.00030	mg/L		Not Detected	Not Detected	0.00088	----	----
Tungsten, dissolved	7440-33-7	E421/WP	0.00010	mg/L		Not Detected	Not Detected	<0.00010	----	----
Uranium, dissolved	7440-61-1	E421/WP	0.000010	mg/L		0.000040	0.000027	0.000060	----	----
Vanadium, dissolved	7440-62-2	E421/WP	0.00050	mg/L		Not Detected	Not Detected	0.00082	----	----
Zinc, dissolved	7440-66-6	E421/WP	0.0010	mg/L		Not Detected	Not Detected	0.0136	----	----
Zirconium, dissolved	7440-67-7	E421/WP	0.00030	mg/L		Not Detected	Not Detected	0.00030	----	----
Dissolved metals filtration location	----	EP421/WP	-	-		Laboratory	Laboratory	Laboratory	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WP	2.0	mg/L		4.1	6.2	36.4	----	----
Carbonaceous biochemical oxygen demand [CBOD]	----	E555/WP	2.0	mg/L		2.6	3.2	23.2	----	----
Oil & grease (gravimetric)	----	E567/WT	5.0	mg/L		<5.0	<5.0	<5.0	----	----
Phenols, total (4AAP)	----	E562/EO	0.0010	mg/L		<0.0010	<0.0010	<0.0010	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Appendix D: BAK-5 Effluent Quality Limits

BAK-5 Effluent Quality Limits as per Part D, Item 2

Parameter	Maximum Concentration of any grab sample	BAK-5
		08-Aug-24
BOD_5	80 mg/L	36.4
Total Suspended Solids	100 mg/L	44.0
Fecal Coliforms	1 x 10^4 CFU/100mL	430
Oil & Grease	no visible sheen	<5.0
pH	between 6 and 9	7.31