

Environment and Climate Change

Industrial Effluent Compliance 2023 Annual Report

September 2024



Contents

Executive Summary.....	4
Facilities.....	5
Beaver Brook Antimony Mine Incorporated.....	5
Braya Renewable Fuels	5
Canada Fluorspar Incorporated	5
Carino Processing Limited.....	5
CEMEX Materials Newfoundland Inc.	6
Cenovus Energy Incorporated – Atlantic (Argentia)	6
Central Regional Waste Services Board	6
City of St. John’s – Robin Hood Bay Landfill.....	7
Corner Brook Pulp and Paper Limited.....	7
Country Ribbon Incorporated	7
Department of Industry, Energy and Technology (Buchans).....	7
Department of Industry, Energy and Technology (Gullbridge).....	8
Department of Industry, Energy and Technology (Hope Brook)	8
Department of Transportation and Infrastructure (Grand Falls).....	9
DJ Composites	9
GFL Environmental Services Incorporated.....	9
Halifax C and D	9
Iron Ore Company of Canada.....	10
Labatt Breweries	10
Marine Contractors Incorporated.....	10
Molson Coors Canada	11
Newfoundland and Labrador Hydro (Holyrood).....	11
Newfoundland Transshipment Limited	11
Pardy’s Waste Management (Incinerator Road)	12
Pardy’s Waste Management (Donovans Industrial Park)	12
Point Rousse Mining Inc.....	12
Rambler Metals and Mining Canada Limited.....	13
Tacora Resources	13
Tata Steel Minerals Canada Limited	13
Teck Resources Limited.....	14
Vale Newfoundland and Labrador Limited (Long Harbour).....	14

Vale Newfoundland and Labrador Limited (Voisey's Bay).....	14
Conclusion.....	15
Acronyms	16
Appendix A: Effluent Data Summary Tables	17

Executive Summary

The Newfoundland and Labrador Department of Environment and Climate Change (ECC) regulates effluent discharge under the *Environmental Control Water and Sewage Regulations NLR 65/03* (ECWSR). In April 2009, the ECWSR was amended. The amendment adopted specific discharge limits from the corresponding federal regulations for each of the mining, pulp and paper and petroleum refining industrial sectors. Facilities operating under a certificate of approval (COA) from the Pollution Prevention Division (PPD) have effluent streams identified and subsequent monitoring schedules developed to characterize the effluent. These schedules are designed to ensure that the effluent discharged from the facility meets regulatory requirements and is protective of the receiving environment.

ECC works closely with facilities within Newfoundland and Labrador to ensure that they are continuing to improve the quality of effluent discharged into the receiving environment. Through this working relationship, as well as through relationships with other stakeholders, the Department strives to attain mutual goals of environmental sustainability and protection.

Copies of the ECWSR, the Metal and Diamond Mining Effluent Regulations, the Pulp and Paper Effluent Regulations and the Petroleum Refinery Liquid Effluent Regulations can be obtained at:

www.assembly.nl.ca/Legislation/sr/Regulations/rc030065.htm

<https://laws-lois.justice.gc.ca/PDF/SOR-2002-222.pdf>

<https://laws-lois.justice.gc.ca/PDF/SOR-92-269.pdf>

<https://laws-lois.justice.gc.ca/PDF/C.R.C., c. 828.pdf>

In 2023, there were more than 30 facilities reporting effluent quality to ECC on a consistent basis. This report provides a summary of the effluent quality discharged at these facilities within the province of Newfoundland and Labrador. It is important to note that the summaries provided are for the discharge locations only. Most facilities conduct additional monitoring for general water quality characterization at discharge points, as well as other locations in proximity to operations. Some facilities operating in the province also participate in Environmental Effects Monitoring (EEM) programs. This report identifies EEM activities completed in 2023.

Points to Note:

- The data presented is based upon reports submitted to ECC by industry, as of July 2024.
- The actual laboratory documentation is available upon request to verify analysis as required.
- If there is a discrepancy between the results depicted in this report and the laboratory documentation, the laboratory documentation is to be considered accurate.
- Detailed data summary tables for each discharge location are found in Appendix A. With respect to the 'Overall' column in the data summary tables, the 'Overall' number of samples and exceedances are the total for the year. The 'Overall' maximum and monthly average are the highest reported value for the year.

Facilities

Beaver Brook Antimony Mine Incorporated

<u>2023 COA</u>	Approval #:	AA18-035647
	Issue Date:	March 19, 2018
	Expiration:	March 19, 2023

Beaver Brook Antimony Mine Incorporated has one discharge location, Site 16. There were no exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2023 for Beaver Brook Antimony Mine Incorporated.

See Table 1: Beaver Brook 2023 Site 16

Braya Renewable Fuels

<u>2023 COA</u>	Approval #:	AA22-045668
	Issue Date:	April 28, 2022
	Expiration:	April 28, 2027

Braya Renewable Fuels has one discharge point, the outfall to sea location. There were eight TSS exceedances and one ammonia exceedance reported.

Environmental Effects Monitoring

The Braya Renewable Fuels 2023 Terrestrial EEM Study Design was reviewed in 2023.

See Table 2: Braya Renewable Fuels 2023 Outfall to Sea

Canada Fluorspar Incorporated

<u>2023 COA</u>	Approval #:	AA22-085691
	Issue Date:	August 17, 2022
	Expiration:	August 17, 2027

Canada Fluorspar Incorporated discharges effluent from four locations, WQ STA 22, WQ STA 23, WQ STA 24 and WQ STA 25. In 2023, there was one ammonia exceedance reported at WQ STA 23.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 3: Canada Fluorspar Incorporated 2023 WQ STA 22
Table 4: Canada Fluorspar Incorporated 2023 WQ STA 23
Table 5: Canada Fluorspar Incorporated 2023 WQ STA 24
Table 6: Canada Fluorspar Incorporated 2023 WQ STA 25

Carino Processing Limited

<u>2023 COA</u>	Approval #:	AA20-055660
	Issue Date:	May 29, 2020
	Expiration:	December 31, 2023

Carino Processing Limited has one effluent discharge location. In 2023, there were 15 BOD, five iron, 14 ammonia, one pH, 19 phenolics, one selenium, four TDS, 10 oil and grease and 17 TSS exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2023 for Carino Processing Limited.

See Table 7: Carino 2023 Effluent Discharge

CEMEX Materials Newfoundland Inc.

<u>2023 COA</u>	Approval #:	AA23-055698
	Issue Date:	May 2, 2023
	Expiration:	March 31, 2024

CEMEX Materials discharged effluent at three locations in 2023. There was one ammonia exceedance reported at Hi-Cal Sampling Point #1.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 8: CEMEX 2023 DL Quarry 1 (Goose Pond)
Table 9: CEMEX 2023 DL Quarry 2
Table 10: CEMEX 2023 Hi-Cal Sampling Point #1

Cenovus Energy Incorporated – Atlantic (Argentina)

<u>2023 COA</u>	Approval #:	AA22-035666
	Issue Date:	March 29, 2022
	Expiration:	March 29, 2027

Cenovus Energy Incorporated – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir, and the Settlement Pond #2 weir. In 2023, there were 12 ammonia and two TSS exceedances reported at Settlement Pond #1 weir. There were 12 ammonia, 12 TDS and one TSS exceedances reported at Settling Pond #2 weir.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 11: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir
Table 12: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir

Central Regional Waste Services Board

<u>2023 COA</u>	Approval #:	WMS-17-12-001
	Issue Date:	January 15, 2023
	Expiration:	January 31, 2028

The Central Regional Services Board has one discharge location at SW9. In 2023, there were four ammonia, five nitrate, three TDS and one BOD exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 13: Central Regional Waste Services Board 2023 SW9

City of St. John's – Robin Hood Bay Landfill

<u>2023 COA</u>	Approval #:	WMS-2019-02-001
	Issue Date:	March 7, 2019
	Expiration:	February 28, 2024

The Robin Hood Bay Regional Waste Management Facility has one discharge location, LW2. LW2 discharges to the City of St. John's sewer. In 2023, there were two iron exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 14: City of St. John's – Robin Hood Bay Landfill 2023 LW2

Corner Brook Pulp and Paper Limited

<u>2023 COA</u>	Approval #:	AA19-115653
	Issue Date:	November 27, 2019
	Expiration:	July 7, 2023

Corner Brook Pulp and Paper Limited has two discharge locations, East Sewer and Effluent Treatment. In 2023, there were no exceedances reported.

Environmental Effects Monitoring

The Corner Brook Pulp and Paper Cycle 9 Interpretive Report was reviewed in 2023.

See Table 15: Corner Brook Pulp and Paper 2023 East Sewer
Table 16: Corner Brook Pulp and Paper 2023 Effluent Treatment
Table 17: Corner Brook Pulp and Paper 2023 Total Mill Discharge

Country Ribbon Incorporated

<u>2023 COA</u>	Approval #:	WMS-18-05-001
	Issue Date:	May 31, 2022
	Expiration:	May 31, 2027

Country Ribbon Incorporated has one discharge location designated as Post DAF Sampling. In 2023, 13 BOD, one pH, seven total oil and grease, and one TSS exceedances were reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 18: Country Ribbon Incorporated (White Hills Road) 2023 Post DAF Sampling

Department of Industry, Energy and Technology (Buchans)

<u>2023 Monitoring</u>	As per letter from PPD
------------------------	------------------------

Issue Date: April 18, 2018

Several locations are sampled near the town of Buchans, NL by the Department of Industry, Energy and Technology. Five of these locations discharge into the environment. In 2023, two zinc exceedance was reported at the PH1 & PH2 Combined location. One lead and two zinc exceedances were reported at Site 1. Two cadmium, two copper, two lead and two zinc exceedances were reported at Site 12. Two zinc exceedances were report at Site 17 and one zinc exceedance was reported at Site 2.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 19: Department of Industry, Energy and Technology (Buchans) 2023 PH1 & PH2 Combined
Table 20: Department of Industry, Energy and Technology (Buchans) 2023 Site 1
Table 21: Department of Industry, Energy and Technology (Buchans) 2023 Site 12
Table 22: Department of Industry, Energy and Technology (Buchans) 2023 Site 17
Table 23: Department of Industry, Energy and Technology (Buchans) 2023 Site 2

Department of Industry, Energy and Technology (Gullbridge)

2023 Monitoring

As per letter from PPD

Issue Date: April 18, 2018

The Government of Newfoundland and Labrador has completed some remediation and work to maintain the integrity of the tailings dam at the Gullbridge mine site. The Department of Industry, Energy and Technology monitored effluent from one area of the mine site in 2023. There was one pH and one copper exceedance at Below Berm.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 24: Department of Industry, Energy and Technology (Gullbridge) 2023 Below Berm

Department of Industry, Energy and Technology (Hope Brook)

2023 Monitoring

As per letter from PPD

Issue Date: April 18, 2018

The Hope Brook mine site has been remediated by the Government of Newfoundland and Labrador. The Department of Industry, Energy and Technology monitored effluent from seven areas of the mine site in 2023. There were no exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 25: Department of Industry, Energy and Technology (Hope Brook) 2023 BHB#6
Table 26: Department of Industry, Energy and Technology (Hope Brook) 2023 Banana Pond
Table 27: Department of Industry, Energy and Technology (Hope Brook) 2023 Catch Basin
Table 28: Department of Industry, Energy and Technology (Hope Brook) 2023 Inlet to BHB
Table 29: Department of Industry, Energy and Technology (Hope Brook) 2023 Open Pit Spillway
Table 30: Department of Industry, Energy and Technology (Hope Brook) 2023 Pine Pond
Table 31: Department of Industry, Energy and Technology (Hope Brook) 2023 Polish Pond

Department of Transportation and Infrastructure (Grand Falls)

2023 Monitoring As per email from PPD
Issue Date: January 14, 2020

The Department of Transportation and Infrastructure samples the discharge located at the North Sewer of the remediated pulp and paper site in Grand Falls. There were two TSS exceedances reported in 2023.

Environmental Effects Monitoring
There is no EEM program at this site.

See Table 32: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer

DJ Composites

2023 Monitoring As per letter from PPD
Issue Date: March 8, 2012

DJ Composites has one discharge location that flows into the municipal sewer. There were no exceedances reported in 2023.

Environmental Effects Monitoring
There is no EEM program at this site.

See Table 33: DJ Composites 2023 Effluent

GFL Environmental Services Incorporated

2023 COA Approval #: WMS-07-07-017
Issue Date: February 16, 2023
Expiration: March 31, 2028

GFL Environmental Services Incorporated has one effluent discharge location. There were no exceedances reported in 2023.

Environmental Effects Monitoring
There is no EEM program at this site.

See Table 34: GFL Environmental Services 2023 Waste Water Discharge

Halifax C and D

2023 COA Approval #: WMS-22-09-001
Issue Date: September 8, 2022
Expiration: August 31, 2025

Halifax C and D has one effluent discharge location. There were no exceedances reported in 2023.

Environmental Effects Monitoring
There is no EEM program at this site.

See Table 35: Halifax C&D 2023 Collection Pond.

Iron Ore Company of Canada

2023 COA

Approval #: AA22-065670
Issue Date: June 28, 2022
Amendment: August 17, 2023
Expiration: June 28, 2027

The Iron Ore Company of Canada collected samples at ten discharge locations in 2023. There were no exceedances at any of these locations.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2023 for Iron Ore Company of Canada.

See Table 36: Iron Ore Company of Canada (Labrador City) 2023 FDP-HC
Table 37: Iron Ore Company of Canada (Labrador City) 2023 FDP-JN
Table 38: Iron Ore Company of Canada (Labrador City) 2023 FDP-LLN
Table 39: Iron Ore Company of Canada (Labrador City) 2023 FDP-MD30
Table 40: Iron Ore Company of Canada (Labrador City) 2023 FDP-MP-06
Table 41: Iron Ore Company of Canada (Labrador City) 2023 FDP-W3-02
Table 42: Iron Ore Company of Canada (Labrador City) 2023 PD11
Table 43: Iron Ore Company of Canada (Labrador City) 2023 PD19
Table 44: Iron Ore Company of Canada (Labrador City) 2023 PD25
Table 45: Iron Ore Company of Canada (Labrador City) 2023 PD35

Labatt Breweries

2023 COA

Approval #: AA15-075607
Issue Date: July 27, 2015
Expiration: July 27, 2020
Extension: December 31, 2023

Labatt Breweries has one discharge point designated Water Chemistry. In 2023, there were 34 BOD, two orthophosphate, 13 pH, 21 total phosphorus and 19 TSS exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 46: Labatt Breweries Newfoundland (St. John's) 2023 Water Chemistry

Marine Contractors Incorporated

2023 COA

Approval #: WMS-07-08-020
Issue Date: April 30, 2020
Expiration: April 30, 2025

Marine Contractors Incorporated has one discharge location. There were no exceedances reported in 2023.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 47: Marine Contractors Incorporated (Stephenville) 2023 Lagoon

Molson Coors Canada

<u>2023 COA</u>	Approval #:	AA17-065642
	Issue Date:	June 30, 2017
	Expiration:	June 30, 2022
	Extension:	December 31, 2023

Molson Coors Canada has one discharge point designated Water Chemistry. In 2023, there were 13 BOD, one carbonaceous BOD and eight pH exceedances reported at this site.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 48: Molson Coors Canada (St. John's) 2023 Water Chemistry

Newfoundland and Labrador Hydro (Holyrood)

<u>2023 COA</u>	Approval #:	AA22-065671
	Issue Date:	June 30, 2022
	Expiration:	June 30, 2027

The Newfoundland and Labrador Hydro Thermal Generating Station located in Holyrood samples effluent discharge at five locations. In 2023, there was one phenol exceedance at CT-OS, one TDS exceedance at the Continuous Basin, and one iron and one nickel exceedance at WWTP.

Environmental Effects Monitoring

There were no EEM submissions in 2023 for Newfoundland and Labrador Hydro.

See Table 49: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS
Table 50: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin
Table 51: Newfoundland and Labrador Hydro (Holyrood) 2023 OS1
Table 52: Newfoundland and Labrador Hydro (Holyrood) 2023 OS2
Table 53: Newfoundland and Labrador Hydro (Holyrood) 2023 WWTP

Newfoundland Transshipment Limited

<u>2023 COA</u>	Approval #:	AA23-045697
	Issue Date:	April 12, 2023
	Expiration:	March 12, 2028

Newfoundland Transshipment Limited monitors water quality at nine locations. In 2023, there were no exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions in 2023 for Newfoundland Transshipment Limited.

See Table 54: Newfoundland Transshipment Limited 2023 Oily Water Separator
Table 55: Newfoundland Transshipment Limited 2023 Remote Impoundment Pond
Table 56: Newfoundland Transshipment Limited 2023 Tank No. 1

Table 57: Newfoundland Transshipment Limited 2023 Tank No. 2
 Table 58: Newfoundland Transshipment Limited 2023 Tank No. 3
 Table 59: Newfoundland Transshipment Limited 2023 Tank No. 4
 Table 60: Newfoundland Transshipment Limited 2023 Tank No. 5
 Table 61: Newfoundland Transshipment Limited 2023 Tank No. 6
 Table 62: Newfoundland Transshipment Limited 2023 Tank No. 7

Pardy's Waste Management (Incinerator Road)

<u>2023 COA</u>	Approval #:	WMS-15-10-013
	Issue Date:	November 1, 2020
	Expiration:	November 1, 2025

Pardy's Waste Management has one discharge location from the wastewater treatment plant at the Incinerator Road location. In 2023, there were two BOD, one Carbonaceous BOD, six nitrate, two orthophosphate, seven total phosphates, five TDS and one TSS exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site

See Table 63: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant

Pardy's Waste Management (Donovans Industrial Park)

<u>2023 COA</u>	Approval #:	WMS-15-10-010
	Issue Date:	March 10, 2020
	Expiration:	December 31, 2025

Pardy's Waste Management (Donovans Industrial Park) has one effluent discharge location. In 2023, there was one total phosphates exceedance reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 64: Pardy's Waste Management (Donovans Industrial Park) 2023 Treated Wastewater

Point Rouse Mining Inc.

<u>2023 COA</u>	Approval #:	AA23-085699
	Issue Date:	August 4, 2023
	Expiration:	September 21, 2025

Point Rouse Mining Incorporated discharged effluent from the Polishing Pond and Argyle FDP in 2023. There were no exceedances reported.

Environmental Effects Monitoring

The Point Rouse Mining Incorporated Cycle 5 Study Design was reviewed in 2023.

See Table 65: Signal Gold 2023 Argyle (FDP)
 Table 66: Signal Gold 2023 Polishing Pond Discharge (FDP)

Rambler Metals and Mining Canada Limited

<u>2023 COA</u>	Approval #:	AA23-035695
	Issue Date:	March 31, 2023
	Expiration:	March 31, 2028

Rambler Metals and Mining Canada Limited discharges effluent from the No.2 Polishing Pond at the Nugget Pond mill site and Treated Mine Effluent from the Ming Mine site. In 2023, there was one Daphnia Magna failure at No.2 Polishing Pond and one Daphnia Magna failure at the Treated Mine Effluent.

Environmental Effects Monitoring

The Rambler Metals and Mining Canada Limited Nugget Pond Cycle 7 Study Design and the Ming Mine Cycle 4 Interpretive Report was reviewed in 2023.

See Table 67: Rambler Metals and Mining 2023 No.2 Polishing Pond
 Table 68: Rambler Metals and Mining 2023 Treated Mine Effluent

Tacora Resources

<u>2023 COA</u>	Approval #:	AA23-035696
	Issue Date:	March 27, 2023
	Expiration:	March 27, 2028

Tacora Resources collected samples from five discharge points in 2023. There was one TSS exceedance at the Knoll Lake Discharge, and 12 TSS exceedances at the Tailings Line Emergency Dump Basin.

Environmental Effects Monitoring

The Tacora Resources Scully Mine Cycle Six Interpretive Report Addendum and the Scully Mine Cycle Seven Study Design Addendum was reviewed in 2023.

See Table 69: Tacora Resources (Wabush) 2023 East Pit 2 Dewatering (Sylvio Settling Basin)
 Table 70: Tacora Resources (Wabush) 2023 Flora Lake Discharge
 Table 71: Tacora Resources (Wabush) 2023 Knoll Lake Discharge (Settling Basin)
 Table 72: Tacora Resources (Wabush) 2023 Tailings Line Emergency Dump Basin (Settling Basin)
 Table 73: Tacora Resources (Wabush) 2023 West Pit Dewatering (Settling Basin)

Tata Steel Minerals Canada Limited

<u>2023 COA</u>	Approval #:	AA18-055650B
	Issue Date:	May 14, 2018
	Amended:	July 29, 2020
	Expiration:	July 29, 2025

Tata Steel Minerals Canada Limited discharged effluent from one location in 2023, COASW11. There was one TSS exceedance reported.

Environmental Effects Monitoring

The Tata Steel Mineral Canada Limited Cycle Four Study Design was reviewed in 2023.

See Table 74: Tata Steel Minerals Canada Limited 2023 COASW11

Teck Resources Limited

2023 Monitoring Duck Pond Closure Water Quality Monitoring Program
Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at two locations 2023. There were no exceedances reported.

Environmental Effects Monitoring

The Teck Duck Pond Cycle 6 Interpretive Report was reviewed in 2023.

See Table 75: Teck Resources (Millertown) 2023 Dam C
 Table 76: Teck Resources (Millertown) 2023 Dam A

Vale Newfoundland and Labrador Limited (Long Harbour)

2023 COA Approval #: AA20-065661
 Issue Date: June 12, 2020
 Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Long Harbour) discharged effluent from six locations in 2023. There were no exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions in 2023 for Vale Newfoundland and Labrador Limited (Long Harbour).

See Table 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D11
 Table 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D2
 Table 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D25
 Table 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D3
 Table 81: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D5
 Table 82: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 FDP1

Vale Newfoundland and Labrador Limited (Voisey's Bay)

2023 COA Approval #: AA20-055659C
 Issue Date: May 5, 2020
 Amendment: April 12, 2023
 Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from one location in 2023. There were no exceedances reported.

Environmental Effects Monitoring

The Vale Newfoundland and Labrador Limited (Voisey's Bay) Cycle 5 Study Design was reviewed in 2023.

See Table 83: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2023 Treated Effluent Discharge

Conclusion

ECC regulates effluent discharged from the industrial sectors of the province. The nature of these industries and the types of effluent generated are very different and specific; no two industries are exactly the same. Differences within the industrial facilities and the receiving environment make this a dynamic field that must be constantly monitored and reviewed.

The industries operating within Newfoundland and Labrador are diligent in working with ECC to achieve the mutual goals of environmental sustainability and protection.

Additional effluent monitoring and water quality monitoring data from the industrial sector is available upon request.

For further information related to industrial effluent quality and monitoring, please contact the Pollution Prevention Division at:

Pollution Prevention Division
Newfoundland and Labrador
Department of Environment and Climate Change
PO Box 8700
St. John's, NL A1B 4J6

(709) 729-2556

Acronyms

ALT	- Acute Lethality Test
BOD	- Biological Oxygen Demand
COA	- Certificate of Approval
ECWSR	- Environmental Control Water and Sewage Regulations, 2003 (NLR 65/03)
EEM	- Environmental Effects Monitoring
ECC	- NL Department of Environment and Climate Change
PPD	- Pollution Prevention Division
TDS	- Total Dissolved Solids
TOG	- Total Oil and Grease
TPH	- Total Petroleum Hydrocarbons
TSS	- Total Suspended Solids
UOM	- Unit of Measure

Appendix A: Effluent Data Summary Tables

Contents

TABLE 1: Beaver Brook 2023 Site 16.....	8
TABLE 1 CONTINUED: Beaver Brook 2023 Site 16	9
TABLE 2: Braya Renewable Fuels 2023 Outfall to Sea	9
TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea.....	10
TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea.....	11
TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea.....	12
TABLE 3: Canada Fluorspar Incorporated 2023 WQ STA 22	13
TABLE 3 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 22	14
TABLE 3 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 22	15
TABLE 4: Canada Fluorspar Incorporated 2023 WQ STA 23	15
TABLE 4 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 23	16
TABLE 4 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 23	17
TABLE 5: Canada Fluorspar Incorporated 2023 WQ STA 24	18
TABLE 5 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 24	19
TABLE 5 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 24	20
TABLE 6: Canada Fluorspar Incorporated 2023 WQ STA 25	20
TABLE 6 CONTINUED : Canada Fluorspar Incorporated 2023 WQ STA 25.....	21
TABLE 6 CONTINUED : Canada Fluorspar Incorporated 2023 WQ STA 25.....	22
TABLE 7: Carino 2023 Effluent Discharge.....	23
TABLE 7 CONTINUED: Carino 2023 Effluent Discharge.....	24
TABLE 7 CONTINUED: Carino 2023 Effluent Discharge.....	25
TABLE 8: CEMEX 2023 DL Quarry 1 (Goose Pond)	26
TABLE 8 CONTINUED: CEMEX 2023 DL Quarry 1 (Goose Pond)	27
TABLE 8 CONTINUED: CEMEX 2023 DL Quarry 1 (Goose Pond)	28

TABLE 9: CEMEX 2023 DL Quarry 2	29
TABLE 9 CONTINUED: CEMEX 2023 DL Quarry 2	30
TABLE 9 CONTINUED: CEMEX 2023 DL Quarry 2	31
TABLE 10: CEMEX 2023 Hi-Cal Sampling Point #1.....	32
TABLE 10 CONTINUED: CEMEX 2023 Hi-Cal Sampling Point #1.....	33
TABLE 10 CONTINUED: CEMEX 2023 Hi-Cal Sampling Point #1.....	34
TABLE 11: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir.....	35
TABLE 11 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir.....	36
TABLE 11 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir.....	37
TABLE 12: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir.....	38
TABLE 12 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir.....	39
TABLE 12 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir.....	40
TABLE 13: Central Regional Waste Services Board 2023 SW9.....	41
TABLE 13 CONTINUED: Central Regional Waste Services Board 2023 SW9.....	42
TABLE 13 CONTINUED: Central Regional Waste Services Board 2023 SW9.....	43
TABLE 14: City of St. John's - Robin Hood Bay Landfill 2023 LW2.....	44
TABLE 14 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2023 LW2.....	45
TABLE 15: Corner Brook Pulp and Paper 2023 East Sewer	46
TABLE 16: Corner Brook Pulp and Paper 2023 Effluent Treatment.....	46
TABLE 17: Corner Brook Pulp and Paper 2023 Total Mill Discharge.....	46
TABLE 18: Country Ribbon Incorporated (White Hills Road) 2023 Post DAF Sampling.....	47
TABLE 18 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2023 Post DAF Sampling.....	48
TABLE 19: Department of Industry, Energy and Technology (Buchans) 2023 PH1 & PH2 Combined.....	49
TABLE 19 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 PH1 & PH2 Combined.....	50
TABLE 20: Department of Industry, Energy and Technology (Buchans) 2023 Site 1	51
TABLE 20 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 1	52

TABLE 21: Department of Industry, Energy and Technology (Buchans) 2023 Site 12	53
TABLE 21 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 12	54
TABLE 22: Department of Industry, Energy and Technology (Buchans) 2023 Site 17	55
TABLE 22 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 17	56
TABLE 23: Department of Industry, Energy and Technology (Buchans) 2023 Site 2	57
TABLE 23 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 2	58
TABLE 24: Department of Industry, Energy and Technology (Gullbridge) 2023 Below Berm	59
TABLE 24 CONTINUED: Department of Industry, Energy and Technology (Gullbridge) 2023 Below Berm	60
TABLE 25: Department of Industry, Energy and Technology (Hope Brook) 2023 BHB#6.....	61
TABLE 25 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 BHB#6.....	62
TABLE 26: Department of Industry, Energy and Technology (Hope Brook) 2023 Banana Pond	63
TABLE 26 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2026 Banana Pond	64
TABLE 27: Department of Industry, Energy and Technology (Hope Brook) 2023 Catch Basin.....	65
TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Catch Basin	66
TABLE 28: Department of Industry, Energy and Technology (Hope Brook) 2023 Inlet to BHB	67
TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Inlet to BHB	68
TABLE 29: Department of Industry, Energy and Technology (Hope Brook) 2023 Open Pit Spillway	69
TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Open Pit Spillway.....	70
TABLE 30: Department of Industry, Energy and Technology (Hope Brook) 2023 Pine Pond	71
TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Pine Pond	72
TABLE 31: Department of Industry, Energy and Technology (Hope Brook) 2023 Polish Pond.....	73
TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Polish Pond.....	74
TABLE 32: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer	75
TABLE 32 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer.....	76
TABLE 32 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer.....	77
TABLE 33: DJ Composites 2023 Effluent	78

TABLE 33 CONTINUED: DJ Composites 2023 Effluent.....	79
TABLE 34: GFL Environmental Services 2023 Waste Water Discharge.....	80
TABLE 34 CONTINUED: GFL Environmental Services 2023 Waste Water Discharge	81
TABLE 35: Halifax C&D 2023 Collection Pond	82
TABLE 35 CONTINUED: Halifax C&D 2023 Collection Pond	83
TABLE 35 CONTINUED: Halifax C&D 2023 Collection Pond	84
TABLE 36: Iron Ore Company of Canada (Labrador City) 2023 FDP-HC.....	85
TABLE 36 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-HC.....	86
TABLE 37: Iron Ore Company of Canada (Labrador City) 2023 FDP-JN	86
TABLE 37 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-JN.....	87
TABLE 38: Iron Ore Company of Canada (Labrador City) 2023 FDP-LLN	88
TABLE 38 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-LLN.....	89
TABLE 39: Iron Ore Company of Canada (Labrador City) 2023 FDP-MD30	89
TABLE 39 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-MD30.....	90
TABLE 40: Iron Ore Company of Canada (Labrador City) 2023 FDP-MP-06.....	91
TABLE 40 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-MP-06.....	92
TABLE 41: Iron Ore Company of Canada (Labrador City) 2023 FDP-W3-02	92
TABLE 41 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-W3-02.....	93
TABLE 42: Iron Ore Company of Canada (Labrador City) 2023 PD11	94
TABLE 43: Iron Ore Company of Canada (Labrador City) 2023 PD19	94
TABLE 44: Iron Ore Company of Canada (Labrador City) 2023 PD25	94
TABLE 45: Iron Ore Company of Canada (Labrador City) 2022 PD35	95
TABLE 46: Labatt Breweries Newfoundland (St. John's) 2023 Water Chemistry	96
TABLE 46 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2023 Water Chemistry.....	97
Table 47: Marine Contractors Incorporated (Stephenville) 2023 Lagoon	98
Table 47 CONTINUED: Marine Contractors Incorporated (Stephenville) 2023 Lagoon	99

Table 47 CONTINUED: Marine Contractors Incorporated (Stephenville) 2023 Lagoon	100
TABLE 48: Molson Coors Canada (St. John's) 2023 Water Chemistry	101
TABLE 48 CONTINUED: Molson Coors Canada (St. John's) 2023 Water Chemistry	102
TABLE 49: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS	103
TABLE 49 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS.....	104
TABLE 49 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS.....	105
TABLE 50: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin	106
TABLE 50 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin	107
TABLE 50 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin	108
TABLE 51: Newfoundland and Labrador Hydro (Holyrood) 2023 OS1.....	109
TABLE 51 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 OS1.....	110
TABLE 52: Newfoundland and Labrador Hydro (Holyrood) 2023 OS2.....	111
TABLE 53: Newfoundland and Labrador Hydro (Holyrood) 2023 WWTP	112
TABLE 54: Newfoundland Transshipment Limited 2023 Oily Water Separator	113
TABLE 55: Newfoundland Transshipment Limited 2023 Remote Impoundment Pond	113
TABLE 56: Newfoundland Transshipment Limited 2023 Tank No. 1	114
TABLE 57: Newfoundland Transshipment Limited 2023 Tank No. 2	114
TABLE 58: Newfoundland Transshipment Limited 2023 Tank No. 3	115
TABLE 59: Newfoundland Transshipment Limited 2023 Tank No. 4	115
TABLE 60: Newfoundland Transshipment Limited 2023 Tank No. 5	116
TABLE 61: Newfoundland Transshipment Limited 2023 Tank No. 6	116
TABLE 62: Newfoundland Transshipment Limited 2023 Tank No. 7	117
TABLE 63: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant	118
TABLE 63 CONTINUED: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant	119
TABLE 63 CONTINUED: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant	120
TABLE 64: Pardy's Waste Management (Donovan's Industrial Park) 2023 Treated Wastewater	121

TABLE 64 CONTINUED: Pardy's Waste Management (Donovan's Industrial Park) 2023 Treated Wastewater	122
TABLE 65: Point Rousse 2023 Argyle (FDP)	123
TABLE 65 CONTINUED: Point Rousse 2023 Argyle (FDP)	124
TABLE 66: Point Rousse 2023 Polishing Pond (FDP)	124
TABLE 66 CONTINUED: Point Rousse 2023 Polishing Pond (FDP)	125
TABLE 67: Rambler Metals and Mining 2023 No. 2 Polishing Pond	126
TABLE 67 CONTINUED: Rambler Metals and Mining 2023 No. 2 Polishing Pond	127
TABLE 68: Rambler Metals and Mining 2023 Treated Mine Effluent	127
TABLE 68 CONTINUED: Rambler Metals and Mining 2023 Treated Mine Effluent	128
TABLE 69: Tacora Resources (Wabush) 2023 East Pit 2 Dewatering (Sylvio Settling Basin)	129
TABLE 69 CONTINUED: Tacora Resources (Wabush) 2023 East Pit 2 Dewatering (Sylvio Settling Basin)	130
TABLE 70: Tacora Resources (Wabush) 2023 Flora Lake Discharge	130
TABLE 70 CONTINUED: Tacora Resources (Wabush) 2023 Flora Lake Discharge	131
TABLE 71: Tacora Resources (Wabush) 2023 Knoll Lake Discharge (Settling Basin)	132
TABLE 71 CONTINUED: Tacora Resources (Wabush) 2023 Knoll Lake Discharge (Settling Basin)	133
TABLE 72: Tacora Resources (Wabush) 2023 Tailings Line Emergency Dump Basin (Settling Basin)	133
TABLE 72 CONTINUED: Tacora Resources (Wabush) 2023 Tailings Line Emergency Dump Basin (Settling Basin)	134
TABLE 73: Tacora Resources (Wabush) 2023 West Pit Dewatering (Settling Basin)	135
TABLE 73 CONTINUED: Tacora Resources (Wabush) 2023 West Pit Dewatering (Settling Basin)	136
TABLE 74: Tata Steel Minerals Canada Limited 2023 COASW11	136
TABLE 74 CONTINUED: Tata Steel Minerals Canada Limited 2023 COASW11	137
TABLE 75: Teck Resources (Millertown) 2023 Dam C	138
TABLE 75 CONTINUED: Teck Resources (Millertown) 2023 Dam C	139
TABLE 76: Teck Resources (Millertown) 2023 Dam A	139
TABLE 76 CONTINUED: Teck Resources (Millertown) 2023 Dam A	140
TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D11	141

TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D2 142

TABLE 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D25 143

TABLE 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D3 144

TABLE 81: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D5 145

TABLE 82: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 FDP1 146

TABLE 82 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 FDP1..... 147

TABLE 83: Vale Newfoundland and Labrador (Voisey's Bay) 2023 Treated Effluent Discharge 147

TABLE 83 CONTINUED: Vale Newfoundland and Labrador (Voisey's Bay) 2023 Treated Effluent Discharge 148

TABLE 1: Beaver Brook 2023 Site 16

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	4	4	4	4	4	4	4	6	4	1	39
Total Arsenic	UG/L	Maximum	0	0	117	118	154	159	176	157	137	153	369	151	369
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	110.0	118.0	141.8	156.0	171.8	148.0	129.5	122.0	166.0	151.0	171.8
Total Copper	UG/L	# of Samples	0	0	3	4	4	3	4	4	4	6	4	1	37
Total Copper	UG/L	Maximum	0	0	<2	<2	<2	<2	<2	<2	3	<2	<2	<1	3
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.0	0.9	0.5	1.5
Un-ionized Ammonia	MG/L	# of Samples	0	0	4	3	4	4	4	5	4	6	4	0	38
Un-ionized Ammonia	MG/L	Maximum	0	0	0.0007	0.01873	0.0007	0.0008	0.0013	0.0221	0.0018	0.0018	0.0001	0	0.0221
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0.00055	0.01018	0.00045	0.00050	0.00093	0.00922	0.00108	0.00067	0.00007	0	0.01018
Total Nickel	UG/L	# of Samples	0	0	4	4	4	3	4	4	4	6	4	1	38
Total Nickel	UG/L	Maximum	0	0	23	15	9	22	13	7	6	8	17	12	23
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	17.3	14.5	9.0	19.3	11.0	6.5	5.5	7.3	9.5	12.0	19.3
Total Lead	UG/L	# of Samples	0	0	3	4	4	3	4	4	4	6	4	1	37
Total Lead	UG/L	Maximum	0	0	<0.5	2	<0.5	0.7	<0.5	62.8	1.3	0.9	3.7	0.5	62.8
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0.25	1.90	0.25	0.52	0.25	15.89	0.68	0.36	1.11	0.50	15.89
pH	PH UNITS	# of Samples	0	0	7	7	8	8	8	9	8	12	8	1	76
pH	PH UNITS	Maximum	0	0	8.63	8.68	8.49	8.25	8.26	8.17	8.61	8.61	7.45	7.13	8.68
pH	PH UNITS	Minimum	0	0	7.66	7.43	8.02	7.55	7.72	7.47	7.34	7.24	6.87	7.13	6.87
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 1 CONTINUED: Beaver Brook 2023 Site 16

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	1	0	0	0	0	0	0	1	1	1	4
Radium-226	BQ/L	Maximum	0	0	<0.005	0	0	0	0	0	0	<0.005	<0.005	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0.0025	0	0	0	0	0	0	0.0025	0.0025	0.0025	0.0025
TSS	MG/L	# of Samples	0	0	4	4	4	3	4	4	4	6	4	1	38
TSS	MG/L	Maximum	0	0	<5	3	<2	<2	<5	2	2	3	4	10	10
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	2.1	2.5	1.0	1.0	1.8	1.3	1.5	1.8	1.8	10.0	10.0
Total Zinc	UG/L	# of Samples	0	0	4	4	4	4	4	4	4	6	4	1	39
Total Zinc	UG/L	Maximum	0	0	8	10	6	14	<5	<5	<5	<5	<5	<5	14
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	3.9	7.5	3.4	6.0	2.5	2.5	2.5	2.5	2.5	2.5	7.5

TABLE 2: Braya Renewable Fuels 2023 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Silver	UG/L	Maximum	0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.2	0.2
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.2
Total Arsenic	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Arsenic	UG/L	Maximum	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.2
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.2	1.2
Total Barium	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Barium	UG/L	Maximum	0	62	66	54	80	77	62	51	51	57	71	46	80
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	62	66	54	80	76.5	62	51	48	57	58.5	46	80
Total Boron	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Boron	UG/L	Maximum	0	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	25	25	25	25	25	25	25	25	25	25	25	25

TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
BOD	MG/L	# of Samples	0	1	0	1	1	1	1	1	1	1	1	1	10
BOD	MG/L	Maximum	0	<5.3	0	8.8	9.7	16	7.7	4.6	<5.2	<5.0	7.9	3.1	16
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	0	2.65	0	8.8	9.7	16	7.7	4.6	2.6	2.5	7.9	3.1	16
Cyanide (SAD)	MG/L	# of Samples	0	1	0	1	1	1	1	1	1	1	1	1	10
Cyanide (SAD)	MG/L	Maximum	0	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0	0.0025	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Cadmium	UG/L	Maximum	0	0.025	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	0.023	0.01	0.025
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0.025	0.015	0.005	0.005	0.005	0.005	0.005	0.005	0.013	0.014	0.01	0.025
Total Chromium	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Chromium	UG/L	Maximum	0	2.4	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	1.9	1.7	2.3	2.4
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	2.4	0.5	0.5	1	0.5	0.5	0.5	0.5	1.9	1.4	2.3	2.4
Total Copper	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Copper	UG/L	Maximum	0	5.5	2	0.81	2.8	1.2	1.1	1.4	1.6	3.9	3.5	2.9	5.5
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	5.5	2	0.81	2.8	1.15	1.1	1.4	1.55	3.9	2.7	2.9	5.5
Total Iron	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Iron	UG/L	Maximum	0	2400	750	290	980	730	490	400	460	1300	1400	1900	2400
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	2400	750	290	980	730	490	400	430	1300	1015	1900	2400
Total Mercury	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Mercury	UG/L	Maximum	0	<0.013	0.078	<0.013	<0.013	<0.013	<0.013	<0.013	0.017	<0.013	<0.013	0.045	0.078
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0.0065	0.0780	0.0065	0.0065	0.0065	0.0065	0.0065	0.0118	0.0065	0.0065	0.0450	0.0780
Total Nickel	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Nickel	UG/L	Maximum	0	4.9	4.8	2.5	3.9	4.1	4.2	4.3	6.3	5.6	7.2	9.2	9.2
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	4.9	4.8	2.5	3.9	4.1	4.2	4.3	5.1	5.6	6.35	9.2	9.2

TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	12	13	14	12	8	14	12	1	15	15	15	14	145
Total Ammonia	MG/L	Maximum	1.9	1.9	1.4	2.2	0.8	0.6	0.6	0.1	1.4	1.3	1.9	1.4	2.2
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Ammonia	MG/L	Monthly Average	0.94	1.03	0.91	1.08	0.39	0.38	0.39	0.10	0.78	0.76	1.16	0.93	1.16
Nitrate	MG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Nitrate	MG/L	Maximum	0	0.42	0.65	0.95	<0.050	<0.050	2.1	1.6	2.3	1.8	2.1	0.85	2.3
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0.42	0.65	0.95	0.025	0.025	2.1	1.6	1.545	1.8	1.47	0.85	2.1
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	<0.010	0	0	<0.010	0	0	0.017	0	0.022	0	0.022
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.005	0	0	0.005	0	0	0.017	0	0.022	0	0.022
Total Lead	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Lead	UG/L	Maximum	0	3.2	1.3	<0.50	1.5	<0.50	<0.50	0.65	0.66	2.3	3.9	1.1	3.9
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	3.2	1.3	0.25	1.5	0.25	0.25	0.65	0.455	2.3	2.55	1.1	3.2
pH	PH UNITS	# of Samples	31	29	32	26	19	30	26	1	32	32	32	32	322
pH	PH UNITS	Maximum	8	7.8	7.7	8.8	8.1	8.3	8.5	7.86	8.7	8.2	8	7.6	8.8
pH	PH UNITS	Minimum	6.8	7	6.8	7.4	7.2	7.1	7.51	7.86	7.1	7.4	7.3	7	6.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	12	13	14	12	8	14	12	1	15	15	15	14	145
Phenolics	MG/L	Maximum	0.02	0.02	0.02	0.02	0.02	0.02	0.02	<0.0010	0.03	0.02	0.02	0.02	0.03
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.019	0.017	0.017	0.018	0.018	0.017	0.018	0.001	0.017	0.018	0.017	0.019	0.019
Total Phosphates as P2O5	MG/L	# of Samples	0	1	0	1	1	1	1	1	1	1	1	1	10
Total Phosphates as P2O5	MG/L	Maximum	0	0.44	0	0.57	0.22	0.41	0.21	0.17	0.12	0.16	0.16	0.34	0.57
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0	0.44	0	0.57	0.22	0.41	0.21	0.17	0.12	0.16	0.16	0.34	0.57
Total Selenium	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Selenium	UG/L	Maximum	0	<0.50	<0.50	0.7	<0.50	0.62	1.6	1.3	1.5	1.3	1.5	1.1	1.6
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0.25	0.25	0.70	0.25	0.61	1.60	1.30	1.14	1.30	1.09	1.10	1.60

TABLE 2 CONTINUED: Braya Renewable Fuels 2023 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Sulphide	MG/L	# of Samples	12	13	14	12	8	14	12	1	15	15	15	14	145
Sulphide	MG/L	Maximum	0.04	0.02	0.04	0.04	0.05	0.06	0.07	<0.020	0.07	0.06	0.07	0.1	0.1
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.020	0.017	0.021	0.021	0.025	0.022	0.023	0.010	0.024	0.028	0.020	0.025	0.028
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	350	0	0	280	0	0	280	0	260	0	350
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	350	0	0	280	0	0	280	0	260	0	350
TDS Measured	MG/L	# of Samples	0	1	0	1	1	1	1	1	1	1	1	1	10
TDS Measured	MG/L	Maximum	0	330	0	340	310	300	360	320	230	215	270	240	360
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	330	0	340	310	300	360	320	230	215	270	240	360
Total Oil and Grease	MG/L	# of Samples	12	12	13	11	7	12	11	0	13	14	13	13	131
Total Oil and Grease	MG/L	Maximum	2.5	3.7	4.5	2.4	3.3	3.3	2.8	0	2.1	2.2	4.7	2.9	4.7
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	1.11	1.15	1.45	1.11	1.16	1.47	1.13	0	1.03	1.11	1.59	1.34	1.59
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.090	0.25	<0.090	0.15	0.22	0.15	0.3	0.28	<0.096	0.38	0.24	0.38
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0.05	0.25	0.05	0.15	0.13	0.15	0.30	0.20	0.05	0.32	0.24	0.32
Total Suspended Solids	MG/L	# of Samples	11	13	14	12	8	14	12	1	16	15	15	14	145
Total Suspended Solids	MG/L	Maximum	21	47	15	17	44	34	20	8.4	24	33	42	28	47
Total Suspended Solids	MG/L	Exceedance(>30)	0	3	0	0	1	1	0	0	0	1	2	0	8
Total Suspended Solids	MG/L	Monthly Average	11.73	15.54	7.07	8.28	17.25	15.79	9.25	8.40	12.74	12.20	18.87	17.86	18.87
Total Zinc	UG/L	# of Samples	0	1	1	1	1	2	1	1	2	1	2	1	14
Total Zinc	UG/L	Maximum	0	44	19	6.8	15	6.5	<5.0	<5.0	7.5	17	170	22	170
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	44	19	6.8	15	6.3	2.5	2.5	5	17	96.5	22	96.5

TABLE 3: Canada Fluorspar Incorporated 2023 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0005	<0.0005	<0.00025	<0.0001	0	<0.0005
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.000248	0.000117	0.000069	0.000050	0	0.000248
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0.004	0.003	0.003	0.003	0	0.004
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0033	0.0030	0.0030	0.0030	0	0.0033
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.101	0.097	0.1	0.111	0	0.111
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.090	0.097	0.097	0.103	0	0.103
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0.021	0.112	0.047	0.016	0	0.112
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.019	0.044	0.022	0.009	0	0.044
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.0006	0.0010	0.0024	0.0027	0	0.0027
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0005	0.0009	0.0023	0.0025	0	0.0025
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	<0.004	<0.004	<0.002	<0.001	0	<0.004
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0020	0.0010	0.0006	0.0005	0	0.0020
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.004	0.003	0.002	<0.001	0	0.004
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0020	0.0027	0.0014	0.0005	0	0.0027
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	<0.18	0.29	0.07	<0.05	0	0.29
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.090	0.143	0.043	0.025	0	0.143
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	<0.026	0	<0.026	0	0	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0.013	0	0.013	0	0	0.013
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	<0.009	<0.003	<0.002	<0.002	0	<0.009
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0022	0.0012	0.0010	0.0010	0	0.0022

TABLE 3 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0.28	0.24	<0.03	0	0.28
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0.103	0.071	0.015	0	0.103
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	6.69	7.20	6.73	6.82	0	7.20
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0	6.03	6.56	6.47	6.26	0	6.56
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.01	0	<0.01	0	0	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.005	0	0.005	0	0	0.005
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0.0032	0.0041	0.0058	0.0067	0	0.0067
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0030	0.0028	0.0053	0.0053	0	0.0053
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.23	6.93	7.61	7.29	0	7.61
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	6.71	6.73	6.67	6.56	0	6.56
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0.002	0	<0.001	0	0	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0.002	0	0.0005	0	0	0.002
Radium-226	BQ/L	# of Samples	0	0	0	0	0	0	0	1	1	1	1	0	4
Radium-226	BQ/L	Maximum	0	0	0	0	0	0	0	0.02	0.02	0.02	0.01	0	0.02
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0	0	0.02	0.02	0.02	0.01	0	0.02
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0.001	0.001	<0.001	0.001	0	0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00067	0.00067	0.00050	0.00075	0	0.00075
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	<0.05	0	<0.05	0	0	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0.025	0	0.025	0	0	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	164	0	190	0	0	190
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	164	0	190	0	0	190

TABLE 3 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TDS Measured	MG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	2	0	10
TDS Measured	MG/L	Maximum	0	0	0	0	0	0	0	224	224	220	222	0	224
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	0	0	0	0	0	220	206	206	212	0	220
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	1	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	0	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0	0.05	0.05	0.05	0.05	0	0.05
TSS	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
TSS	MG/L	Maximum	0	0	0	0	0	0	0	<5	<5	<5	<5	0	<5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0	2.5	2.5	2.5	2.5	0	2.5
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	4	2	0	12
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.026	0.030	0.217	0.092	0	0.217
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0.021	0.021	0.111	0.081	0	0.111

TABLE 4: Canada Fluorspar Incorporated 2023 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Silver	MG/L	Maximum	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	<0.0001	<0.00025	<0.0005
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0.00005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00021	0.00012	0.00007	0.00005	0.00007	0.00025
Total Arsenic	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Arsenic	MG/L	Maximum	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.003
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0030	0.0030	0.0028	0.0028	0.0028	0.0025	0.0030	0.0027	0.0027	0.0014	0.0016	0.0014	0.0030
Total Barium	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Barium	MG/L	Maximum	0.053	0.045	0.046	0.041	0.044	0.046	0.047	0.049	0.07	0.041	0.194	0.041	0.194
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.049	0.045	0.043	0.040	0.042	0.041	0.045	0.045	0.054	0.040	0.070	0.038	0.070
Total Boron	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Boron	MG/L	Maximum	0.014	0.018	0.019	0.016	0.022	0.014	0.018	0.052	0.016	0.02	0.03	0.038	0.052
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.012	0.013	0.012	0.012	0.017	0.010	0.015	0.020	0.009	0.013	0.011	0.014	0.020
Total Cadmium	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Cadmium	MG/L	Maximum	0.00061	0.00052	0.00056	0.00048	0.00052	0.00044	0.00044	0.0005	0.00046	0.0005	0.00058	0.0005	0.00061
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0.00054	0.00050	0.00052	0.00043	0.00042	0.00037	0.00039	0.00042	0.00044	0.00042	0.00033	0.00046	0.00054

TABLE 4 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Chromium	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Chromium	MG/L	Maximum	<0.001	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.705	<0.004	<0.002	0.004	0.003	0.705
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0.0013	0.0020	0.0020	0.0020	0.0020	0.0020	0.1192	0.0010	0.0007	0.0012	0.0011	0.1192
Total Copper	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Copper	MG/L	Maximum	0.005	0.004	0.005	0.005	0.019	0.005	0.005	0.01	0.004	0.004	0.107	0.003	0.107
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0045	0.0040	0.0044	0.0043	0.0076	0.0043	0.0050	0.0055	0.0040	0.0032	0.0257	0.0025	0.0257
Total Iron	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Iron	MG/L	Maximum	0.44	0.34	0.49	0.37	0.42	0.32	0.36	2.4	0.31	0.29	1.21	0.29	2.4
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.38	0.33	0.39	0.35	0.35	0.27	0.33	0.63	0.25	0.22	0.37	0.23	0.63
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	<0.026	0	<0.026	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0.013	0	0.013	0	0.013	0.013
Total Nickel	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Nickel	MG/L	Maximum	0.002	<0.009	0.044	<0.009	<0.009	<0.009	0.054	0.172	<0.003	<0.002	0.005	<0.002	0.172
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0013	0.0028	0.0124	0.0045	0.0045	0.0045	0.0210	0.0307	0.0012	0.0010	0.0018	0.0010	0.0307
Total Ammonia	MG/L	# of Samples	4	2	5	4	5	5	4	6	3	5	5	5	53
Total Ammonia	MG/L	Maximum	0.27	<0.03	0.8	0.35	2.74	0.08	<0.03	<0.03	<0.03	<0.03	0.5	<0.03	2.74
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Ammonia	MG/L	Monthly Average	0.079	0.015	0.319	0.099	0.584	0.027	0.013	0.015	0.015	0.015	0.112	0.015	0.584
Total Nitrate	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Nitrate	MG/L	Maximum	1.45	0.68	0.66	0.52	0.35	0.8	0.53	0.62	0.75	0.58	0.48	0.58	1.45
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0.68	0.42	0.51	0.47	0.32	0.52	0.44	0.49	0.64	0.49	0.43	0.52	0.68
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.01	0	<0.01	0	<0.01	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.005	0	0.005	0	0.005	0.005
Total Lead	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Lead	MG/L	Maximum	0.0139	0.0092	0.0143	0.0125	0.0157	0.0106	0.0129	0.0090	0.0091	0.0087	0.0093	0.0091	0.0157
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0099	0.0085	0.0120	0.0116	0.0126	0.0093	0.0103	0.0081	0.0083	0.0075	0.0059	0.0066	0.0126
pH	PH UNITS	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
pH	PH UNITS	Maximum	7.72	7.76	7.94	7.36	7.92	7.76	7.79	7.81	7.37	7.73	7.59	7.49	7.94
pH	PH UNITS	Minimum	7.18	7.75	7.16	7.07	7.39	7.15	7.01	7.13	6.89	6.87	6.64	6.61	6.61
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0.003	0	<0.001	0	0.001	0.003
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0.003	0	0.0005	0	0.001	0.003
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	<0.005	0.04	0.008	0.008	0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.007	0.009	0.04
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0400	0.0080	0.0080	0.0050	0.0025	0.0025	0.0025	0.0100	0.0025	0.0070	0.0090	0.0400
Total Selenium	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Selenium	MG/L	Maximum	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0016	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	0.0005	0.0005	0.0005	0.0005	0.0005	0.0016
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	<0.05	0	<0.05	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0.025	0	0.025	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	170	0	159	0	159	170
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	170	0	159	0	159	170
TDS Measured	MG/L	# of Samples	4	2	5	4	5	4	3	5	3	4	5	4	48
TDS Measured	MG/L	Maximum	194	190	190	242	214	226	184	190	176	206	180	174	242
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	171.0	173.0	162.8	185.0	184.0	184.5	179.3	177.6	158.7	177.0	158.4	172.0	185.0
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TSS	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
TSS	MG/L	Maximum	<5	<5	<5	<5	<5	<5	<5	<5	6	9	<5	<5	9
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.8	2.5	2.5	3.8
Total Zinc	MG/L	# of Samples	4	2	5	4	5	4	3	6	3	5	5	5	51
Total Zinc	MG/L	Maximum	0.069	0.063	0.119	0.116	0.051	0.05	0.053	0.069	0.064	0.067	0.098	0.072	0.119
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.062	0.062	0.076	0.066	0.049	0.045	0.048	0.046	0.051	0.055	0.071	0.062	0.076

TABLE 5: Canada Fluorspar Incorporated 2023 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Silver	MG/L	Maximum	<0.0001	<0.0001	0	0	0	0	0	<0.0005	<0.0001	<0.0001	<0.0001	<0.00025	<0.0005
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0.00005	0	0	0	0	0	0.00025	0.00005	0.00005	0.00005	0.00008	0.00025
Total Arsenic	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Arsenic	MG/L	Maximum	0.002	<0.002	0	0	0	0	0	0.003	<0.002	0.002	<0.002	<0.002	0.003
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.002	0.001	0	0	0	0	0	0.0027	0.0010	0.0020	0.0010	0.0010	0.0027
Total Barium	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Barium	MG/L	Maximum	0.071	0.066	0	0	0	0	0	0.073	0.044	0.066	0.065	0.051	0.073
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.071	0.066	0	0	0	0	0	0.070	0.044	0.066	0.065	0.049	0.071
Total Boron	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Boron	MG/L	Maximum	0.012	0.012	0	0	0	0	0	0.012	0.014	0.013	0.006	<0.005	0.014
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.012	0.012	0	0	0	0	0	0.008	0.014	0.013	0.006	0.003	0.014
Total Cadmium	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Cadmium	MG/L	Maximum	0.00067	0.00065	0	0	0	0	0	0.00051	0.0003	0.00052	0.00046	0.00018	0.00067
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0.00067	0.00065	0	0	0	0	0	0.00047	0.00030	0.00052	0.00046	0.00017	0.00067
Total Chromium	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Chromium	MG/L	Maximum	<0.001	<0.001	0	0	0	0	0	<0.004	<0.001	<0.001	<0.001	<0.002	<0.004
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0.0005	0	0	0	0	0	0.0020	0.0005	0.0005	0.0005	0.0007	0.0020
Total Copper	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Copper	MG/L	Maximum	0.007	0.005	0	0	0	0	0	0.012	0.006	0.009	0.004	0.011	0.012
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.007	0.005	0	0	0	0	0	0.0103	0.0060	0.0090	0.0040	0.0050	0.0103
Total Iron	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Iron	MG/L	Maximum	0.47	0.3	0	0	0	0	0	0.59	0.32	0.56	0.37	0.31	0.59
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.47	0.3	0	0	0	0	0	0.52	0.32	0.56	0.37	0.26	0.56
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	1	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	<0.026	0	0	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0.013	0	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Nickel	MG/L	Maximum	0.004	<0.002	0	0	0	0	0	<0.009	<0.002	<0.002	<0.002	<0.002	<0.009
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.004	0.001	0	0	0	0	0	0.002	0.001	0.001	0.001	0.001	0.004

TABLE 5 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Ammonia	MG/L	Maximum	<0.03	<0.03	0	0	0	0	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.015	0.015	0	0	0	0	0	0.015	0.015	0.015	0.015	0.015	0.015
Total Nitrate	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Nitrate	MG/L	Maximum	0.08	1.09	0	0	0	0	0	0.66	0.56	0.42	0.58	1	1.09
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0.08	1.09	0	0	0	0	0	0.58	0.56	0.42	0.58	0.59	1.09
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	1	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.005	0	0	0	0.005	0.005
Total Lead	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Lead	MG/L	Maximum	0.0305	0.0180	0	0	0	0	0	0.0499	0.0232	0.0602	0.0298	0.0021	0.0602
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0305	0.0180	0	0	0	0	0	0.0430	0.0232	0.0602	0.0298	0.0019	0.0602
pH	PH UNITS	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
pH	PH UNITS	Maximum	7.55	7.5	0	0	0	0	0	7.74	7.45	7.6	6.97	7.54	7.74
pH	PH UNITS	Minimum	7.55	7.5	0	0	0	0	0	6.94	7.45	7.6	6.97	6.92	6.92
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	1	2
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0.002	0	0	0	0.002	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0.002	0	0	0	0.002	0.002
Radium-226	BQ/L	# of Samples	0	1	0	0	0	0	0	1	1	1	1	1	6
Radium-226	BQ/L	Maximum	0	0.02	0	0	0	0	0	0.01	0.01	0.009	0.01	<0.005	0.02
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.02	0	0	0	0	0	0.0100	0.0100	0.0090	0.0100	0.0025	0.0200
Total Selenium	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Selenium	MG/L	Maximum	<0.001	<0.001	0	0	0	0	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0005	0.0005	0	0	0	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	1	2
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	<0.05	0	0	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0.025	0	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	1	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	128	0	0	0	142	142
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	128	0	0	0	142	142

TABLE 5 CONTINUED: Canada Fluorspar Incorporated 2023 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TDS Measured	MG/L	# of Samples	1	1	0	0	0	0	0	2	1	1	1	2	9
TDS Measured	MG/L	Maximum	152	128	0	0	0	0	0	140	166	138	126	166	166
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	152	128	0	0	0	0	0	140	166	138	126	152	166
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	0	0	0	0	1	1	1	1	1	6
TPH (Atlantic PIRI)	MG/L	Maximum	0	4	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1	4
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	4.00	0	0	0	0	0	0.05	0.05	0.05	0.05	0.05	4.00
TSS	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
TSS	MG/L	Maximum	<5	<5	0	0	0	0	0	8	<5	5	8	<5	8
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.5	2.5	0	0	0	0	0	5.2	2.5	5.0	8.0	2.5	8.0
Total Zinc	MG/L	# of Samples	1	1	0	0	0	0	0	3	1	1	1	3	11
Total Zinc	MG/L	Maximum	0.174	0.054	0	0	0	0	0	0.082	0.046	0.089	0.063	0.021	0.174
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.174	0.054	0	0	0	0	0	0.075	0.046	0.089	0.063	0.019	0.174

TABLE 6: Canada Fluorspar Incorporated 2023 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0005	<0.0005	<0.00025	<0.0001	<0.00025	<0.0005
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.000249	0.000117	0.000069	0.000050	0.000065	0.000249
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0.013	0.014	0.012	0.014	0.017	0.017
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0125	0.0130	0.0115	0.0128	0.0138	0.0138
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.090	0.086	0.082	0.089	0.097	0.097
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.086	0.084	0.080	0.082	0.084	0.086
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0.029	0.013	0.020	0.011	0.039	0.039
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0185	0.0088	0.0145	0.0053	0.0132	0.0185
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.00100	0.00120	0.00106	0.00109	0.00098	0.00120
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00091	0.00114	0.00102	0.00091	0.00087	0.00114

TABLE 6 CONTINUED : Canada Fluorspar Incorporated 2023 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0.063	<0.004	<0.002	<0.001	<0.002	0.063
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0173	0.0010	0.0006	0.0005	0.0006	0.0173
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.006	0.007	0.004	0.002	0.006	0.007
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0038	0.0053	0.0040	0.0011	0.0033	0.0053
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0.59	0.19	0.46	0.11	0.60	0.60
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.215	0.137	0.205	0.075	0.272	0.272
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	<0.026	0	<0.026	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0.013	0	0.013	0	0.013	0.013
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0.027	0.003	<0.002	<0.002	<0.002	0.027
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0075	0.0018	0.0010	0.0010	0.0010	0.0075
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0.05	<0.03	<0.03	<0.03	0.05
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0.027	0.015	0.015	0.015	0.027
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	2.28	2.39	2.14	2.22	2.46	2.46
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0	2.18	2.17	1.99	1.89	2.17	2.18
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	0.01	0	<0.01	0	<0.01	0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.010	0	0.005	0	0.005	0.010
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0.013	0.012	0.024	0.010	0.024	0.024
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0070	0.0098	0.0125	0.0064	0.0149	0.0149
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.61	7.57	7.72	7.64	7.57	7.72
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.03	7.04	6.81	7.21	6.74	6.74
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6 CONTINUED : Canada Fluorspar Incorporated 2023 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	0	<0.001	0	<0.001	<0.001
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0005	0	0.0005	0	0.0005	0.0005
Radium-226	BQ/L	# of Samples	0	0	0	0	0	0	0	1	1	1	1	1	5
Radium-226	BQ/L	Maximum	0	0	0	0	0	0	0	0.02	0.02	0.01	0.01	0.01	0.02
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0	0	0.02	0.02	0.01	0.01	0.01	0.02
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	<0.001	<0.001	0.001	<0.001	0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0005	0.0005	0.0005	0.0006	0.0005	0.0006
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	<0.05	0	<0.05	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0.025	0	0.025	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	1	3
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	147	0	144	0	146	147
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	147	0	144	0	146	147
TDS Measured	MG/L	# of Samples	0	0	0	0	0	0	0	3	3	3	5	4	18
TDS Measured	MG/L	Maximum	0	0	0	0	0	0	0	162	146	148	166	160	166
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	0	0	0	0	0	156.7	140.0	147.3	151.6	153.0	156.7
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	1	1	1	5
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0	0.05	0.05	0.05	0.05	0.05	0.05
TSS	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
TSS	MG/L	Maximum	0	0	0	0	0	0	0	6	<5	9	<5	12	12
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0	3.4	2.5	4.1	2.5	4.9	4.9
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	4	3	4	5	5	21
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.103	0.107	0.121	0.097	0.121	0.121
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0.081	0.102	0.099	0.078	0.088	0.102

TABLE 7: Carino 2023 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Total Silver	UG/L	Maximum	0	<0.10	0	0	0	0	0	0	<1.0	<1.0	<1.0	0	<1.0
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0.5	0.5	0.5	0	0.5
Total Arsenic	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Total Arsenic	UG/L	Maximum	0	<1.0	0	0	0	0	0	0	<10	<10	<10	0	<10
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0.5	0	0	0	0	0	0	5	5	5	0	5
Total Barium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Total Barium	UG/L	Maximum	0	6.2	0	0	0	0	0	0	<10	10	<10	0	10
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	6.2	0	0	0	0	0	0	5	10	5	0	10
Total Boron	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Boron	UG/L	Maximum	0	<50	0	<50	0	0	0	0	<500	<500	520	<500	520
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	25	0	25	0	0	0	0	250	250	257.5	100	257.5
BOD	MG/L	# of Samples	0	0	0	1	0	0	0	0	2	4	5	3	15
BOD	MG/L	Maximum	0	0	0	370	0	0	0	0	430	720	5400	4000	5400
BOD	MG/L	Exceedance(>20)	0	0	0	1	0	0	0	0	2	4	5	3	15
BOD	MG/L	Monthly Average	0	0	0	370	0	0	0	0	420	600	3026	3667	3667
Cyanide (SAD)	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Cyanide (SAD)	MG/L	Maximum	0	<0.0050	0	0	0	0	0	0	<0.0050	<0.0050	<0.0050	0	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0	0.0025	0	0	0	0	0	0	0.0025	0.0025	0.0025	0	0.0025
Total Cadmium	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Cadmium	UG/L	Maximum	0	0.14	0	0.01	0	0	0	0	0.14	0.15	<0.10	<0.10	0.15
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0.0995	0	0.01	0	0	0	0	0.080	0.118	0.043	0.020	0.118
Total Chromium	UG/L	# of Samples	0	2	0	1	0	0	0	0	2	4	6	2	17
Total Chromium	UG/L	Maximum	0	720	0	4.7	0	0	0	0	37	100	160	56	720
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	480.0	0	4.7	0	0	0	0	34.0	80.0	48.7	41.0	480.0
Total Hexavalent Chromium	MG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	5	3	19
Total Hexavalent Chromium	MG/L	Maximum	0	<0.00099	0	<0.00099	0	0	0	0	<0.00099	<0.025	<0.40	<0.005	<0.40
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0	0.00050	0	0.00050	0	0	0	0	0.00050	0.01448	0.20920	0.00470	0.20920

TABLE 7 CONTINUED: Carino 2023 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Copper	UG/L	Maximum	0	6.3	0	9	0	0	0	0	7.2	7.3	31	11	31
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	5.65	0	9	0	0	0	0	4.07	4.08	9.17	6.80	9.17
Total Iron	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Iron	UG/L	Maximum	0	4600	0	5600	0	0	0	0	4800	8100	32000	19000	32000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	3	2	5
Total Iron	UG/L	Monthly Average	0	3100	0	5600	0	0	0	0	3667	5900	14700	12033	14700
Total Mercury	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Total Mercury	UG/L	Maximum	0	0.015	0	0	0	0	0	0	0.025	0.015	0.022	0	0.025
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0.015	0	0	0	0	0	0	0.025	0.015	0.022	0	0.025
Total Nickel	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Nickel	UG/L	Maximum	0	42	0	53	0	0	0	0	45	51	45	110	110
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	29	0	53	0	0	0	0	41	43	35	69	69
Total Ammonia	MG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Ammonia	MG/L	Maximum	0	0.55	0	0.84	0	0	0	0	4	4.2	850	640	850
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	3	2	6	3	14
Total Ammonia	MG/L	Monthly Average	0	0.44	0	0.84	0	0	0	0	3.37	2.44	462.17	566.67	566.67
Nitrate	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Nitrate	MG/L	Maximum	0	<0.050	0	0	0	0	0	0	<0.050	<0.050	<0.050	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0.025	0	0	0	0	0	0	0.025	0.025	0.025	0	0.025
Orthophosphate	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Orthophosphate	MG/L	Maximum	0	<0.010	0	0	0	0	0	0	0.014	<0.010	0.12	0	0.12
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0.005	0	0	0	0	0	0	0.014	0.005	0.12	0	0.12
Total Lead	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Lead	UG/L	Maximum	0	0.55	0	0.90	0	0	0	0	7.70	28.00	8.30	<5.0	28.00
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0.55	0	0.90	0	0	0	0	5.57	14.26	3.15	1.00	14.26
pH	PH UNITS	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
pH	PH UNITS	Maximum	0	7.36	0	7.29	0	0	0	0	8.52	7.48	9.02	8.68	9.02
pH	PH UNITS	Minimum	0	7.27	0	7.29	0	0	0	0	7.08	7.00	7.58	7.13	7.00
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	1	0	1

TABLE 7 CONTINUED: Carino 2023 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Phenolics	MG/L	Maximum	0	2.6	0	0.015	0	0	0	0	5.6	7.3	9.8	11	11
Phenolics	MG/L	Exceedance(>0.1)	0	2	0	0	0	0	0	0	3	5	6	3	19
Phenolics	MG/L	Monthly Average	0	2.60	0	0.02	0	0	0	0	4.87	6.40	5.47	4.80	6.40
Total Selenium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Total Selenium	UG/L	Maximum	0	<0.50	0	0	0	0	0	0	<5.0	<5.0	15	0	15
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Selenium	UG/L	Monthly Average	0	0.25	0	0	0	0	0	0	2.5	2.5	15	0	15
Sulphide	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Sulphide	MG/L	Maximum	0	<0.020	0	0	0	0	0	0	<0.020	<0.020	0.26	0	0.26
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0.01	0	0	0	0	0	0	0.01	0.01	0.26	0	0.26
Calculated TDS	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	1	1	0	4
Calculated TDS	MG/L	Maximum	0	4500	0	0	0	0	0	0	6600	8800	8800	0	8800
Calculated TDS	MG/L	Exceedance(>1000)	0	1	0	0	0	0	0	0	1	1	1	0	4
Calculated TDS	MG/L	Monthly Average	0	4500	0	0	0	0	0	0	6600	8800	8800	0	8800
Total Oil and Grease	MG/L	# of Samples	0	1	0	1	0	0	0	0	2	4	5	3	16
Total Oil and Grease	MG/L	Maximum	0	9.9	0	2.1	0	0	0	0	29	27	24	19	29
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	2	4	3	1	10
Total Oil and Grease	MG/L	Monthly Average	0	9.9	0	2.1	0	0	0	0	27	26	16.8	10.0	27
TSS	MG/L	# of Samples	0	1	0	1	0	0	0	0	3	5	6	3	19
TSS	MG/L	Maximum	0	13	0	78	0	0	0	0	58	100	170	260	260
TSS	MG/L	Exceedance(>30)	0	0	0	1	0	0	0	0	3	4	6	3	17
TSS	MG/L	Monthly Average	0	13	0	78	0	0	0	0	49	50	101	152	152
Total Zinc	UG/L	# of Samples	0	2	0	1	0	0	0	0	3	5	6	3	20
Total Zinc	UG/L	Maximum	0	40	0	5.5	0	0	0	0	130	190	160	67	190
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	25	0	5.5	0	0	0	0	120	158	63	36	158

TABLE 8: CEMEX 2023 DL Quarry 1 (Goose Pond)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	0	<0.10	0	<0.10	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	<1.0	0	<1.0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0.5	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	170	0	240	0	0	170	0	230	0	240
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	170	0	240	0	0	170	0	230	0	240
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	<50	0	0	<50	0	<50	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	25	0	0	25	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	<0.010	0	<0.010	0	0	<0.010	0	0.011	0	0.011
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0	0.005	0	0.011	0	0.011
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	<1.0	0	<1.0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0.5	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	0.57	0	1.3	0	0	1	0	0.93	0	1.3
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0.57	0	1.3	0	0	1	0	0.93	0	1.3
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	0	<50	0	150	0	0	230	0	170	0	230
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	25	0	150	0	0	230	0	170	0	230

TABLE 8 CONTINUED: CEMEX 2023 DL Quarry 1 (Goose Pond)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	<0.013	0	0	<0.013	0	<0.013	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0.0065	0	0.0065	0	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	<2.0	0	0	<2.0	0	<2.0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	1	0	1	0	0	1	0	1	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Ammonia	MG/L	Maximum	0	0	0	0.11	0	0.072	0	0	0.086	0	0.12	0	0.12
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.11	0	0.072	0	0	0.086	0	0.12	0	0.12
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	1.2	0	1	0	0	0.92	0	1.7	0	1.7
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	1.2	0	1	0	0	0.92	0	1.7	0	1.7
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0.052	0	0	<0.010	0	<0.010	0	0.052
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.052	0	0	0.005	0	0.005	0	0.052
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	0.71	0	1.3	0	0	1.5	0	4.3	0	4.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0.71	0	1.3	0	0	1.5	0	4.3	0	4.3
pH	PH UNITS	# of Samples	0	0	0	1	1	1	1	1	1	1	1	0	8
pH	PH UNITS	Maximum	0	0	0	8.04	8.11	8.01	8.04	8.3	8.06	8.09	8.02	0	8.3
pH	PH UNITS	Minimum	0	0	0	8.04	8.11	8.01	8.04	8.3	8.06	8.09	8.02	0	8.01
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	0.001	0	0	<0.0010	0	<0.0010	0	0.001
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.001	0	0	0.0005	0	0.0005	0	0.001

TABLE 8 CONTINUED: CEMEX 2023 DL Quarry 1 (Goose Pond)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	<0.50	0	0	<0.50	0	<0.50	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.25	0	0.25	0	0	0.25	0	0.25	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	<0.0018	0	0	<0.020	0	<0.0018	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.01	0	0.0009	0	0	0.01	0	0.0009	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	130	0	180	0	0	180	0	180	0	180
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	130	0	180	0	0	180	0	180	0	180
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.090	0	0	<0.090	0	<0.090	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.045	0	0	0.045	0	0.045	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	1	1	1	1	1	1	0	8
Total Suspended Solids	MG/L	Maximum	0	0	0	1.2	2.4	1.9	2.8	22	2.4	7.6	3.4	0	22
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	1.2	2.4	1.9	2.8	22	2.4	7.6	3.4	0	22
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	<5.0	0	5.3	0	0	5.1	0	8.7	0	8.7
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	2.5	0	5.3	0	0	5.1	0	8.7	0	8.7

TABLE 9: CEMEX 2023 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	0	<0.10	0	<0.10	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	<1.0	0	<1.0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0.5	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	140	0	130	0	0	140	0	120	0	140
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	140	0	130	0	0	140	0	120	0	140
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	<50	0	0	<50	0	<50	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	25	0	0	25	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	<0.010	0	<0.010	0	0	<0.010	0	0.012	0	0.012
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0	0.005	0	0.012	0	0.012
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	<1.0	0	<1.0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0.5	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	<0.50	0	0.73	0	0	0.78	0	0.61	0	0.78
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0.25	0	0.73	0	0	0.78	0	0.61	0	0.78
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	0	<50	0	<50	0	0	<50	0	<50	0	<50
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	25	0	25	0	0	25	0	25	0	25

TABLE 9 CONTINUED: CEMEX 2023 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	<0.013	0	0	<0.013	0	<0.013	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0.0065	0	0.0065	0	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	<2.0	0	0	<2.0	0	<2.0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	1	0	1	0	0	1	0	1	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Ammonia	MG/L	Maximum	0	0	0	<0.050	0	<0.050	0	0	<0.050	0	0.056	0	0.056
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.025	0	0.025	0	0	0.025	0	0.056	0	0.056
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0.61	0	0.39	0	0	0.6	0	0.58	0	0.61
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0.61	0	0.39	0	0	0.6	0	0.58	0	0.61
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0.011	0	0	<0.010	0	<0.010	0	0.011
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.011	0	0	0.005	0	0.005	0	0.011
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	2.6	0	2.2	0	0	3.7	0	3.6	0	3.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	2.6	0	2.2	0	0	3.7	0	3.6	0	3.7
pH	PH UNITS	# of Samples	0	0	0	1	1	1	0	1	1	1	1	0	7
pH	PH UNITS	Maximum	0	0	0	8.06	8.29	8.1	0	8.27	8.24	8.23	8.03	0	8.29
pH	PH UNITS	Minimum	0	0	0	8.06	8.29	8.1	0	8.27	8.24	8.23	8.03	0	8.03
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	<0.0010	0	<0.0010	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0.0005	0	0.0005	0	0.0005

TABLE 9 CONTINUED: CEMEX 2023 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	<0.50	0	0	0.53	0	<0.50	0	0.53
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.25	0	0.25	0	0	0.53	0	0.25	0	0.53
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	<0.0018	0	0	<0.020	0	<0.0018	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.01	0	0.0009	0	0	0.01	0	0.0009	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	160	0	140	0	0	180	0	150	0	180
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	160	0	140	0	0	180	0	150	0	180
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.090	0	0	<0.090	0	<0.090	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.045	0	0	0.045	0	0.045	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	1	0	1	1	1	1	0	7
Total Suspended Solids	MG/L	Maximum	0	0	0	1	<1.0	1.6	0	<1.0	1.6	<1.0	<1.0	0	1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	1	0.5	1.6	0	0.5	1.6	0.5	0.5	0	1.6
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	<5.0	0	<5.0	0	0	<5.0	0	<5.0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	2.5	0	2.5	0	0	2.5	0	2.5	0	2.5

TABLE 10: CEMEX 2023 Hi-Cal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	0	<0.10	0	<0.10	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	<1.0	0	<1.0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0.5	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	110	0	170	0	0	220	0	150	0	220
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	110	0	170	0	0	220	0	150	0	220
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	60	0	0	66	0	<50	0	66
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	60	0	0	66	0	25	0	66
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0.014	0	<0.010	0	0	0.049	0	0.018	0	0.049
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.014	0	0.005	0	0	0.049	0	0.018	0	0.049
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	1.1	0	<1.0	0	0	2.6	0	<1.0	0	2.6
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	1.1	0	0.5	0	0	2.6	0	0.5	0	2.6
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	1	0	0.81	0	0	2.9	0	1.1	0	2.9
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	1	0	0.81	0	0	2.9	0	1.1	0	2.9
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	0	310	0	<50	0	0	1300	0	310	0	1300
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	310	0	25	0	0	1300	0	310	0	1300

TABLE 10 CONTINUED: CEMEX 2023 Hi-Cal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	<0.013	0	0	<0.013	0	<0.013	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0.0065	0	0.0065	0	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	2.1	0	2.1	0	0	8.4	0	3.1	0	8.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	2.1	0	2.1	0	0	8.4	0	3.1	0	8.4
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Ammonia	MG/L	Maximum	0	0	0	0.11	0	2.8	0	0	0.5	0	0.24	0	2.8
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Monthly Average	0	0	0	0.11	0	2.8	0	0	0.5	0	0.24	0	2.8
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	1.9	0	10	0	0	6.3	0	2.9	0	10
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	1.9	0	10	0	0	6.3	0	2.9	0	10
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0.011	0	0	<0.010	0	<0.010	0	0.011
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.011	0	0	0.005	0	0.005	0	0.011
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	6.9	0	0.53	0	0	28	0	9.4	0	28
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	6.9	0	0.53	0	0	28	0	9.4	0	28
pH	PH UNITS	# of Samples	0	0	1	1	1	1	1	1	1	1	1	0	9
pH	PH UNITS	Maximum	0	0	8.11	8.05	8.17	8	7.98	8.19	8.11	8.13	8.05	0	8.19
pH	PH UNITS	Minimum	0	0	8.11	8.05	8.17	8	7.98	8.19	8.11	8.13	8.05	0	7.98
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	<0.0010	0	<0.0010	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0.0005	0	0.0005	0	0.0005

TABLE 10 CONTINUED: CEMEX 2023 Hi-Cal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	0.6	0	1.1	0	0	1.2	0	0.78	0	1.2
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.6	0	1.1	0	0	1.2	0	0.78	0	1.2
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	<0.0018	0	0	<0.020	0	<0.0018	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.01	0	0.0009	0	0	0.01	0	0.0009	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	160	0	250	0	0	310	0	210	0	310
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	160	0	250	0	0	310	0	210	0	310
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.090	0	0	<0.090	0	<0.090	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.045	0	0	0.045	0	0.045	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	1	1	1	1	1	1	1	1	1	0	9
Total Suspended Solids	MG/L	Maximum	0	0	17	6	8	7.6	5	3.6	29	16	18	0	29
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	17	6	8	7.6	5	3.6	29	16	18	0	29
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	35	0	10	0	0	62	0	29	0	62
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	35	0	10	0	0	62	0	29	0	62

TABLE 11: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Silver	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Barium	UG/L	Maximum	43	46	43	49	48	48	94	44	45	46	44	45	94
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	43	46	43	49	48	48	94	44	45	46	44	45	94
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	3300	3600	3400	3300	3700	3300	2100	3500	3700	3400	3800	3500	3800
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	3300	3600	3400	3300	3700	3300	2100	3500	3700	3400	3800	3500	3800
Cyanide (SAD)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Cyanide (SAD)	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	0.65	0.63	0.70	0.60	0.62	0.65	0.41	0.60	0.64	0.61	0.64	0.62	0.70
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.65	0.63	0.70	0.60	0.62	0.65	0.41	0.60	0.64	0.61	0.64	0.62	0.70
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Chromium	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	7.3	8	6.6	5.6	7.7	5.2	14	<5.0	5.6	5.4	5.4	5.2	14
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	7.3	8	6.6	5.6	7.7	5.2	14	2.5	5.6	5.4	5.4	5.2	14
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Iron	UG/L	Maximum	<500	<500	<500	<500	<500	<500	5000	<500	<500	<500	<500	<500	5000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	250	250	250	250	250	250	5000	250	250	250	250	250	5000

TABLE 11 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.015	<0.013	<0.013	<0.013	0.017	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.015	0.0065	0.0065	0.0065	0.0170	0.0170
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Nickel	UG/L	Maximum	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Ammonia	MG/L	Maximum	3.4	3.3	3.5	3.6	3.6	3.6	2.8	3.3	3.4	3.3	4	3.4	4
Total Ammonia	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Ammonia	MG/L	Monthly Average	3.4	3.3	3.5	3.6	3.6	3.6	2.8	3.3	3.4	3.3	4	3.4	4
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Nitrate	MG/L	Maximum	0.17	0.13	0.096	0.099	0.11	0.12	0.21	0.29	0.14	0.2	0.2	0.12	0.29
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.17	0.13	0.096	0.099	0.11	0.12	0.21	0.29	0.14	0.2	0.2	0.12	0.29
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Orthophosphate	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	0.011
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.011	0.005	0.005	0.005	0.005	0.005	0.011
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	7.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	7.5	2.5	2.5	2.5	2.5	2.5	7.5
pH	PH UNITS	# of Samples	5	3	4	3	5	4	4	5	4	4	4	4	49
pH	PH UNITS	Maximum	7.97	7.66	7.92	7.95	7.85	7.69	7.68	7.67	7.81	7.71	7.66	7.78	7.97
pH	PH UNITS	Minimum	7.6	7.59	7.64	7.5	7.64	7.61	7.55	7.59	7.52	7.54	7.56	7.62	7.5
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Phosphates as P2O5	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Phosphates as P2O5	MG/L	Maximum	<0.050	<0.050	<0.050	<0.050	<0.75	<0.050	0.34	0.059	0.11	<0.050	<0.050	0.073	<0.75
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0.025	0.025	0.025	0.025	0.375	0.025	0.34	0.059	0.11	0.025	0.025	0.073	0.375

TABLE 11 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TPH (Atlantic PIRI)	MG/L	Maximum	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
TSS	MG/L	# of Samples	5	3	4	3	5	4	4	5	4	4	4	4	49
TSS	MG/L	Maximum	6.2	43.0	6.0	6.2	4.0	21.0	93.0	19.0	10.0	8.4	5.4	7.6	93.0
TSS	MG/L	Exceedance(>30)	0	1	0	0	0	0	1	0	0	0	0	0	2
TSS	MG/L	Monthly Average	3.9	16.3	4.5	4.5	3.2	8.3	26.9	8.4	5.4	7.2	3.2	4.9	26.9
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<50	<50	<50	<50	<50	<50	<50	<50	<50	57	<50	<50	57
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	25	25	25	25	25	25	25	25	25	57	25	25	57

*Note 1 in the ECWSR is applied to determine TDS at this location.

TABLE 12: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Silver	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Arsenic	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Barium	UG/L	Maximum	98	96	100	100	100	99	110	100	120	120	110	110	120
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	98	96	100	100	100	99	110	100	80	120	110	110	120
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Boron	UG/L	Maximum	2200	2200	2100	2200	2400	2000	2300	2300	4200	2300	2300	2200	4200
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	2200	2200	2100	2200	2400	2000	2300	2300	3300	2300	2300	2200	3300
Cyanide (SAD)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Cyanide (SAD)	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Cadmium	UG/L	Maximum	1.1	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.1	1.2	1.2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	1.1	1.0	1.1	1.0	1.0	1.1	1.1	1.1	0.8	1.2	1.1	1.2	1.2
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Chromium	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Copper	UG/L	Maximum	6.2	5.9	7.1	7.1	8.9	6.4	8.1	5.4	8.8	7.4	6.6	6.7	8.9
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	6.2	5.9	7.1	7.1	8.9	6.4	8.1	5.4	7.6	7.4	6.6	6.7	8.9
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Iron	UG/L	Maximum	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	250	250	250	250	250	250	250	250	250	250	250	250	250

TABLE 12 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.015	0.017	<0.013	0.013	0.017	<0.013	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.015	0.017	0.0065	0.013	0.017	0.0065	0.017
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Nickel	UG/L	Maximum	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Ammonia	MG/L	Maximum	5.6	5.7	5.6	5.9	5.7	5.7	5.5	6.3	5.8	5.9	6.0	6.0	6.3
Total Ammonia	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Ammonia	MG/L	Monthly Average	5.6	5.7	5.6	5.9	5.7	5.7	5.5	6.3	5.2	5.9	6.0	6.0	6.3
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Nitrate	MG/L	Maximum	0.22	0.17	0.12	0.22	0.18	0.16	0.95	0.36	0.18	0.3	0.22	0.15	0.95
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.22	0.17	0.12	0.22	0.18	0.16	0.95	0.36	0.13	0.30	0.22	0.15	0.95
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Orthophosphate	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Lead	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
pH	PH UNITS	# of Samples	5	3	4	3	5	4	4	5	5	4	4	4	50
pH	PH UNITS	Maximum	8.06	7.61	7.99	8.03	7.79	7.76	7.76	7.76	7.76	7.66	7.62	7.83	8.06
pH	PH UNITS	Minimum	7.6	7.59	7.67	7.66	7.59	7.56	7.53	7.5	7.5	7.52	7.54	7.63	7.5
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Phosphates as P2O5	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Phosphates as P2O5	MG/L	Maximum	<0.050	<0.050	<0.050	<0.050	<0.75	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.75
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0.025	0.025	0.025	0.025	0.375	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.375

TABLE 12 CONTINUED: Cenovus Energy Incorporated (Argentina) 2023 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Selenium	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	3000	3000	3000	3000	2000	2000	2000	2000	4000	2000	2000	2000	4000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Monthly Average	3000	3000	3000	3000	2000	2000	2000	2000	4000	2000	2000	2000	4000
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TPH (Atlantic PIRI)	MG/L	Maximum	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
TSS	MG/L	# of Samples	5	3	4	3	5	4	4	5	4	4	4	4	49
TSS	MG/L	Maximum	2.6	4	5.4	9.2	120	15	9.2	5.2	5.2	4.6	7	10	120
TSS	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	2.1	2.1	3.3	3.9	26.4	5.9	3.9	3.2	3.8	3.0	3.6	3.3	26.4
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Zinc	UG/L	Maximum	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	25	25	25	25	25	25	25	25	25	25	25	25	25

*Note 1 in the ECWSR is applied to determine TDS at this location.

TABLE 13: Central Regional Waste Services Board 2023 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	<0.10	0	<0.10	0	<0.10	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0.05	0	0.05	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	0	9.9	0	24	0	8.2	0	<1.0	0	24
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	9.9	0	24	0	8.2	0	0.5	0	24
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	0	210	0	400	0	310	0	150	0	400
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	210	0	400	0	310	0	150	0	400
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	0	970	0	1700	0	2000	0	91	0	2000
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	970	0	1700	0	2000	0	91	0	2000
BOD	MG/L	# of Samples	1	1	0	1	1	1	1	1	1	1	1	0	10
BOD	MG/L	Maximum	<5.0	11	0	7.6	5.5	27	8.2	<10	13	14	<5.0	0	27
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	1	0	0	0	0	0	0	1
BOD	MG/L	Monthly Average	2.5	11	0	7.6	5.5	27	8.2	5	13	14	2.5	0	27
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0	0.027	0	0.018	0	0.023	0	<0.010	0	0.027
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0.027	0	0.018	0	0.023	0	0.005	0	0.027
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	0	13	0	12	0	7.8	0	1.9	0	13
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	13	0	12	0	7.8	0	1.9	0	13
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	0	4.3	0	2.6	0	4.3	0	1.4	0	4.3
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	4.3	0	2.6	0	4.3	0	1.4	0	4.3

TABLE 13 CONTINUED: Central Regional Waste Services Board 2023 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	1	1	0	1	2	1	2	1	2	1	2	0	14
Total Iron	UG/L	Maximum	<50	1800	0	580	800	410	800	830	580	210	100	0	1800
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	25	1800	0	580	470	410	800	830	535	210	86	0	1800
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0.017	0	<0.013	0	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0.017	0	0.0065	0	0.017
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	0	25	0	41	0	46	0	3	0	46
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	25	0	41	0	46	0	3	0	46
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Ammonia	MG/L	Maximum	0	0	0	0	190	0	83	0	6.9	0	3.3	0	190
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Ammonia	MG/L	Monthly Average	0	0	0	0	190	0	83	0	6.9	0	3.3	0	190
Nitrate	MG/L	# of Samples	1	1	0	1	2	1	2	1	2	1	2	0	14
Nitrate	MG/L	Maximum	3.5	26	0	4.3	15	4.9	8.2	9.5	14	19	7.2	0	26
Nitrate	MG/L	Exceedance(>10)	0	1	0	0	1	0	0	0	2	1	0	0	5
Nitrate	MG/L	Monthly Average	3.5	26	0	4.3	12	4.9	7.15	9.5	13.5	19	7.1	0	26
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	0	0.021	0	0.12	0	<0.010	0	<0.010	0	0.12
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.021	0	0.12	0	0.005	0	0.005	0	0.12
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	<0.50	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0.25	0	0.25	0	0.25
pH	PH UNITS	# of Samples	1	1	0	1	2	1	2	1	2	1	2	0	14
pH	PH UNITS	Maximum	7.88	8.04	0	8.32	8.38	8.37	8.21	8.33	8.36	8.16	8.11	0	8.38
pH	PH UNITS	Minimum	7.88	8.04	0	8.32	8.26	8.37	8.2	8.33	8.35	8.16	8.05	0	7.88
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 13 CONTINUED: Central Regional Waste Services Board 2023 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	0	0.0018	0	0.0016	0	0.0014	0	<0.0010	0	0.0018
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0.0018	0	0.0016	0	0.0014	0	0.0005	0	0.0018
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	<0.50	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0.25	0	0.25	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	0	0.03	0	0.032	0	<0.020	0	<0.020	0	0.032
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0.03	0	0.032	0	0.01	0	0.01	0	0.032
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	0	1500	0	1800	0	1700	0	330	0	1800
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	1	0	1	0	1	0	0	0	3
Calculated TDS	MG/L	Monthly Average	0	0	0	0	1500	0	1800	0	1700	0	330	0	1800
TSS	MG/L	# of Samples	1	1	0	1	2	1	2	1	2	1	2	0	14
TSS	MG/L	Maximum	<1.0	11	0	4	18	13	5.2	10	18	4	1.4	0	18
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	11	0	4	11.6	13	3.9	10	18	4	0.95	0	18
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	0	15	0	10	0	10	0	<5.0	0	15
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	15	0	10	0	10	0	2.5	0	15

TABLE 14: City of St. John's - Robin Hood Bay Landfill 2023 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	1100	0	0	1800	0	0	2000	0	0	1500	0	0	2000
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	1100	0	0	1800	0	0	2000	0	0	1500	0	0	2000
BOD	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
BOD	MG/L	Maximum	48	0	0	<25	0	0	<25	0	0	<45	0	0	48
BOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	48	0	0	12.5	0	0	12.5	0	0	22.5	0	0	48
Cyanide (SAD)	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Cyanide (SAD)	MG/L	Maximum	0.0066	0	0	<0.0050	0	0	<0.0050	0	0	<0.0050	0	0	0.0066
Cyanide (SAD)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0066	0	0	0.0025	0	0	0.0025	0	0	0.0025	0	0	0.0066
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.19	0	0	0.011	0	0	<0.010	0	0	0.025	0	0	0.19
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.19	0	0	0.011	0	0	0.005	0	0	0.025	0	0	0.19
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	5.4	0	0	6.3	0	0	8.1	0	0	5.4	0	0	8.1
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	5.4	0	0	6.3	0	0	8.1	0	0	5.4	0	0	8.1
Total Hexavalent Chromium	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Hexavalent Chromium	MG/L	Maximum	<0.00099	0	0	<0.00099	0	0	<0.0050	0	0	<0.0099	0	0	<0.0099
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0.00050	0	0	0.00050	0	0	0.00250	0	0	0.00495	0	0	0.00495
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	16	0	0	1.8	0	0	6.6	0	0	4.6	0	0	16
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	16	0	0	1.8	0	0	6.6	0	0	4.6	0	0	16
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	8300	0	0	21000	0	0	30000	0	0	14000	0	0	30000
Total Iron	UG/L	Exceedance(>15000)	0	0	0	1	0	0	1	0	0	0	0	0	2
Total Iron	UG/L	Monthly Average	8300	0	0	21000	0	0	30000	0	0	14000	0	0	30000
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065

TABLE 14 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2023 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	13	0	0	13	0	0	17	0	0	11	0	0	17
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	13	0	0	13	0	0	17	0	0	11	0	0	17
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	0.01	0	0	0.018	0	0	<0.010	0	0	<0.010	0	0	0.018
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.01	0	0	0.018	0	0	0.005	0	0	0.005	0	0	0.018
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	4.5	0	0	0.65	0	0	<0.50	0	0	0.84	0	0	4.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	4.5	0	0	0.65	0	0	0.25	0	0	0.84	0	0	4.5
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.17	0	0	7.17	0	0	7.35	0	0	7.29	0	0	7.35
pH	PH UNITS	Minimum	7.17	0	0	7.17	0	0	7.35	0	0	7.29	0	0	7.17
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0.0710	0	0	0.0041	0	0	0.0069	0	0	0.0120	0	0	0.0710
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0710	0	0	0.0041	0	0	0.0069	0	0	0.0120	0	0	0.0710
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0.29	0	0	0.78	0	0	0.49	0	0	0.57	0	0	0.78
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.29	0	0	0.78	0	0	0.49	0	0	0.57	0	0	0.78
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	36	0	0	57	0	0	80	0	0	66	0	0	80
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	36	0	0	57	0	0	80	0	0	66	0	0	80
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	150	0	0	55	0	0	31	0	0	93	0	0	150
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	150	0	0	55	0	0	31	0	0	93	0	0	150

TABLE 15: Corner Brook Pulp and Paper 2023 East Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	4	4	5	4	5	4	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.94	0	0	7.77	0	0	7.94	0	0	7.58	0	0	7.94
pH	PH UNITS	Minimum	7.94	0	0	7.77	0	0	7.94	0	0	7.58	0	0	7.58
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 16: Corner Brook Pulp and Paper 2023 Effluent Treatment

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	4	4	5	4	5	4	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.66	0	0	7.57	0	0	7.52	0	0	7.33	0	0	7.66
pH	PH UNITS	Minimum	7.66	0	0	7.57	0	0	7.52	0	0	7.33	0	0	7.33
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 17: Corner Brook Pulp and Paper 2023 Total Mill Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TSS	Tonnes/ Day	# of Samples	31	28	31	30	31	30	31	31	30	31	30	31	365
TSS	Tonnes/ Day	Maximum	2.9603	2.6427	2.0222	2.1867	2.1655	2.5082	3.7308	3.6311	3.6419	5.6289	5.3045	8.8954	8.8954
TSS	Tonnes/ Day	Exceedance (>14.61)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	Tonnes/ Day	Average	1.7313	1.9576	1.3838	1.6465	1.2690	1.5509	1.7622	1.4309	1.3676	2.2428	1.0417	1.4234	1.5673
TSS	Tonnes/ Day	Exceedance (>9.06)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	13	12	14	12	14	13	12	15	12	13	14	12	156
BOD	Tonnes/ Day	Maximum	0.7423	0.9320	0.5555	0.6152	0.4532	0.8754	1.7564	0.8995	1.5737	1.7617	1.6367	0.7084	1.7617
BOD	Tonnes/ Day	Exceedance (>9.74)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	0.4969	0.6201	0.3706	0.4612	0.3435	0.6128	1.0185	0.4906	0.9405	1.1328	0.4645	0.3770	0.6108
BOD	Tonnes/ Day	Exceedance (>6.04)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 18: Country Ribbon Incorporated (White Hills Road) 2023 Post DAF Sampling

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Boron	UG/L	Maximum	<50	0	0	<50	0	0	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	25	0	0	25	0	0	0	0	0	0	0	0	25
BOD	MG/L	# of Samples	3	4	4	3	4	5	3	4	4	3	5	4	46
BOD	MG/L	Maximum	240	200	280	430	290	370	370	390	450	380	330	660	660
BOD	MG/L	Exceedance(>300)	0	0	0	1	0	2	1	2	2	1	1	3	13
BOD	MG/L	Monthly Average	223	147	238	283	238	290	263	283	320	273	228	390	390
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0.041	0	0	0.029	0	0	0	0	0	0	0	0	0.041
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.041	0	0	0.029	0	0	0	0	0	0	0	0	0.041
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	1.6	0	0	2.5	0	0	0	0	0	0	0	0	2.5
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	1.6	0	0	2.5	0	0	0	0	0	0	0	0	2.5
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	75	0	0	58	0	0	0	0	0	0	0	0	75
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	75	0	0	58	0	0	0	0	0	0	0	0	75
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Iron	UG/L	Maximum	320	0	0	270	0	0	0	0	0	0	0	0	320
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	320	0	0	270	0	0	0	0	0	0	0	0	320
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	<0.013	0	0	<0.013	0	0	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0	0	0.0065	0	0	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	2.2	0	0	2.2	0	0	0	0	0	0	0	0	2.2
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	2.2	0	0	2.2	0	0	0	0	0	0	0	0	2.2

TABLE 18 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2023 Post DAF Sampling

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Orthophosphate	MG/L	Maximum	3.7	0	0	2.8	0	0	0	0	0	0	0	0	3.7
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	3.7	0	0	2.8	0	0	0	0	0	0	0	0	3.7
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	<0.50	0	0	0.68	0	0	0	0	0	0	0	0	0.68
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0.68	0	0	0	0	0	0	0	0	0.68
pH	PH UNITS	# of Samples	4	4	4	4	4	5	4	4	4	3	5	4	49
pH	PH UNITS	Maximum	7.24	7.18	7.28	7.32	7.11	7.08	7	7.2	6.98	6.83	7	6.99	7.32
pH	PH UNITS	Minimum	7.1	7.01	6.91	6.59	6.65	6.72	2.8	6.59	6.72	6.79	6.86	6.56	2.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	1	0	0	0	0	0	1
Phenolics	MG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Phenolics	MG/L	Maximum	0.017	0	0	0.011	0	0	0	0	0	0	0	0	0.017
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.017	0	0	0.011	0	0	0	0	0	0	0	0	0.017
Total Oil and Grease	MG/L	# of Samples	3	4	4	3	4	5	4	4	4	3	5	4	47
Total Oil and Grease	MG/L	Maximum	20	20	25	86	110	76	81	110	120	54	180	390	390
Total Oil and Grease	MG/L	Exceedance(>100)	0	0	0	0	1	0	0	1	1	0	1	3	7
Total Oil and Grease	MG/L	Monthly Average	16	11	20	41	42	51	52	75	74	35	55	193	193
TSS	MG/L	# of Samples	3	4	4	3	4	5	4	4	4	3	5	4	47
TSS	MG/L	Maximum	140	100	130	330	140	150	180	310	220	170	130	380	380
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	1	1
TSS	MG/L	Monthly Average	127	70	105	183	128	131	154	220	183	143	113	215	220
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	98	0	0	74	0	0	0	0	0	0	0	0	98
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	98	0	0	74	0	0	0	0	0	0	0	0	98

TABLE 19: Department of Industry, Energy and Technology (Buchans) 2023 PH1 & PH2 Combined

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	28	0	28	0	0	0	0	0	28
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	28	0	28	0	0	0	0	0	28
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	28	0	27	0	0	0	0	0	28
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	28	0	27	0	0	0	0	0	28
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	73	0	72	0	0	0	0	0	73
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	73	0	72	0	0	0	0	0	73
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	51	0	53	0	0	0	0	0	53
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	51	0	53	0	0	0	0	0	53
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	3.1	0	3.6	0	0	0	0	0	3.6
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	3.1	0	3.6	0	0	0	0	0	3.6

TABLE 19 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 PH1 & PH2 Combined

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0.75	0	0.8	0	0	0	0	0	0.8
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.75	0	0.8	0	0	0	0	0	0.8
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	2.4	0	2.7	0	0	0	0	0	2.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	2.4	0	2.7	0	0	0	0	0	2.7
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.65	0	7.14	0	0	0	0	0	7.14
pH	PH UNITS	Minimum	0	0	0	0	6.65	0	7.14	0	0	0	0	0	6.65
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	180	0	190	0	0	0	0	0	190
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	180	0	190	0	0	0	0	0	190
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	12000	0	11000	0	0	0	0	0	12000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	12000	0	11000	0	0	0	0	0	12000

TABLE 20: Department of Industry, Energy and Technology (Buchans) 2023 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	2	0	1.1	0	0	0	0	0	2
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	2	0	1.1	0	0	0	0	0	2
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	530	0	260	0	0	0	0	0	530
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	530	0	260	0	0	0	0	0	530
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	6	0	8.2	0	0	0	0	0	8.2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	6	0	8.2	0	0	0	0	0	8.2
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	22	0	13	0	0	0	0	0	22
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	22	0	13	0	0	0	0	0	22
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	480	0	210	0	0	0	0	0	480
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	480	0	210	0	0	0	0	0	480
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1	0	1	0	0	0	0	0	1

TABLE 20 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	270	0	200	0	0	0	0	0	270
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	Monthly Average	0	0	0	0	270	0	200	0	0	0	0	0	270
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	7.48	0	7.57	0	0	0	0	0	7.57
pH	PH UNITS	Minimum	0	0	0	0	7.48	0	7.57	0	0	0	0	0	7.48
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	77	0	84	0	0	0	0	0	84
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	77	0	84	0	0	0	0	0	84
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	5.6	0	<1.0	0	0	0	0	0	5.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	5.6	0	0.5	0	0	0	0	0	5.6
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	1700	0	1800	0	0	0	0	0	1800
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	1700	0	1800	0	0	0	0	0	1800

TABLE 21: Department of Industry, Energy and Technology (Buchans) 2023 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	82	0	64	0	0	0	0	0	82
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	82	0	64	0	0	0	0	0	82
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	52	0	100	0	0	0	0	0	100
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Monthly Average	0	0	0	0	52	0	100	0	0	0	0	0	100
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	480	0	680	0	0	0	0	0	680
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Monthly Average	0	0	0	0	480	0	680	0	0	0	0	0	680
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	340	0	93	0	0	0	0	0	340
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	340	0	93	0	0	0	0	0	340
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	5.5	0	10	0	0	0	0	0	10
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	5.5	0	10	0	0	0	0	0	10

TABLE 21 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0.063	0	<0.050	0	0	0	0	0	0.063
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.063	0	0.025	0	0	0	0	0	0.063
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0.12	0	0.17	0	0	0	0	0	0.17
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.12	0	0.17	0	0	0	0	0	0.17
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	290	0	640	0	0	0	0	0	640
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Monthly Average	0	0	0	0	290	0	640	0	0	0	0	0	640
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	7.05	0	7.37	0	0	0	0	0	7.37
pH	PH UNITS	Minimum	0	0	0	0	7.05	0	7.37	0	0	0	0	0	7.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	210	0	330	0	0	0	0	0	330
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	210	0	330	0	0	0	0	0	330
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	6.4	0	8.6	0	0	0	0	0	8.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	6.4	0	8.6	0	0	0	0	0	8.6
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	15000	0	26000	0	0	0	0	0	26000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	15000	0	26000	0	0	0	0	0	26000

TABLE 22: Department of Industry, Energy and Technology (Buchans) 2023 Site 17

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	25	0	23	0	0	0	0	0	25
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	25	0	23	0	0	0	0	0	25
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	52	0	0	0	0	0	52
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	52	0	0	0	0	0	52
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0.92	0	0.57	0	0	0	0	0	0.92
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0.92	0	0.57	0	0	0	0	0	0.92
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	3	0	3.8	0	0	0	0	0	3.8
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	3	0	3.8	0	0	0	0	0	3.8
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	200	0	100	0	0	0	0	0	200
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	200	0	100	0	0	0	0	0	200
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1	0	1	0	0	0	0	0	1

TABLE 22 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 17

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	0.57	0	0	0	0	0	0.57
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0.57	0	0	0	0	0	0.57
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	8.14	0	8.18	0	0	0	0	0	8.18
pH	PH UNITS	Minimum	0	0	0	0	8.14	0	8.18	0	0	0	0	0	8.14
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	600	0	570	0	0	0	0	0	600
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	600	0	570	0	0	0	0	0	600
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	1.2	0	1	0	0	0	0	0	1.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	1.2	0	1	0	0	0	0	0	1.2
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	2600	0	1100	0	0	0	0	0	2600
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	2600	0	1100	0	0	0	0	0	2600

TABLE 23: Department of Industry, Energy and Technology (Buchans) 2023 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	420	0	450	0	0	0	0	0	450
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	420	0	450	0	0	0	0	0	450
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	1.9	0	1.6	0	0	0	0	0	1.9
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	1.9	0	1.6	0	0	0	0	0	1.9
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	7.6	0	7.5	0	0	0	0	0	7.6
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	7.6	0	7.5	0	0	0	0	0	7.6
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	160	0	130	0	0	0	0	0	160
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	160	0	130	0	0	0	0	0	160
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1	0	1	0	0	0	0	0	1

TABLE 23 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2023 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	30	0	28	0	0	0	0	0	30
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	30	0	28	0	0	0	0	0	30
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	7.33	0	7.42	0	0	0	0	0	7.42
pH	PH UNITS	Minimum	0	0	0	0	7.33	0	7.42	0	0	0	0	0	7.33
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	31	0	32	0	0	0	0	0	32
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	31	0	32	0	0	0	0	0	32
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	550	0	410	0	0	0	0	0	550
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Monthly Average	0	0	0	0	550	0	410	0	0	0	0	0	550

TABLE 24: Department of Industry, Energy and Technology (Gullbridge) 2023 Below Berm

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	18	0	24	0	0	0	0	0	24
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	18	0	24	0	0	0	0	0	24
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	25	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	1.2	0	0.37	0	0	0	0	0	1.2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	1.2	0	0.37	0	0	0	0	0	1.2
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	2200	0	150	0	0	0	0	0	2200
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	UG/L	Monthly Average	0	0	0	0	2200	0	150	0	0	0	0	0	2200
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	1600	0	180	0	0	0	0	0	1600
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	1600	0	180	0	0	0	0	0	1600
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	290	0	87	0	0	0	0	0	290
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	290	0	87	0	0	0	0	0	290

TABLE 24 CONTINUED: Department of Industry, Energy and Technology (Gullbridge) 2023 Below Berm

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	<0.050	0	<0.050	0	0	0	0	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0.025	0	0.025	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	4.33	0	7.12	0	0	0	0	0	7.12
pH	PH UNITS	Minimum	0	0	0	0	4.33	0	7.12	0	0	0	0	0	4.33
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	310	0	320	0	0	0	0	0	320
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	310	0	320	0	0	0	0	0	320
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	240	0	46	0	0	0	0	0	240
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	240	0	46	0	0	0	0	0	240

TABLE 25: Department of Industry, Energy and Technology (Hope Brook) 2023 BHB#6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	29	0	0	0	0	0	0	29
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	29	0	0	0	0	0	0	29
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.21	0	0	0	0	0	0	0.21
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.21	0	0	0	0	0	0	0.21
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	53	0	0	0	0	0	0	53
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	53	0	0	0	0	0	0	53
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	2.4	0	0	0	0	0	0	2.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	2.4	0	0	0	0	0	0	2.4

TABLE 25 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 BHB#6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0.77	0	0	0	0	0	0	0.77
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.77	0	0	0	0	0	0	0.77
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.05	0	0	0	0	0	0	7.05
pH	PH UNITS	Minimum	0	0	0	0	0	7.05	0	0	0	0	0	0	7.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	96	0	0	0	0	0	0	96
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	96	0	0	0	0	0	0	96
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	1.3	0	0	0	0	0	0	1.3
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1.3	0	0	0	0	0	0	1.3
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	35	0	0	0	0	0	0	35
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	35	0	0	0	0	0	0	35

TABLE 26: Department of Industry, Energy and Technology (Hope Brook) 2023 Banana Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	15	0	0	0	0	0	0	15
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	15	0	0	0	0	0	0	15
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.02	0	0	0	0	0	0	0.02
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.02	0	0	0	0	0	0	0.02
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	11	0	0	0	0	0	0	11
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	11	0	0	0	0	0	0	11
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	200	0	0	0	0	0	0	200
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	200	0	0	0	0	0	0	200
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 26 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2026 Banana Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0.38	0	0	0	0	0	0	0.38
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.38	0	0	0	0	0	0	0.38
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.55	0	0	0	0	0	0	7.55
pH	PH UNITS	Minimum	0	0	0	0	0	7.55	0	0	0	0	0	0	7.55
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	97	0	0	0	0	0	0	97
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	97	0	0	0	0	0	0	97
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	5.3	0	0	0	0	0	0	5.3
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	5.3	0	0	0	0	0	0	5.3

TABLE 27: Department of Industry, Energy and Technology (Hope Brook) 2023 Catch Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	14	0	0	0	0	0	0	14
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	14	0	0	0	0	0	0	14
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.012	0	0	0	0	0	0	0.012
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.012	0	0	0	0	0	0	0.012
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	5.1	0	0	0	0	0	0	5.1
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	5.1	0	0	0	0	0	0	5.1
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	240	0	0	0	0	0	0	240
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	240	0	0	0	0	0	0	240
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Catch Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.49	0	0	0	0	0	0	7.49
pH	PH UNITS	Minimum	0	0	0	0	0	7.49	0	0	0	0	0	0	7.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	290	0	0	0	0	0	0	290
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	290	0	0	0	0	0	0	290
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	1.2	0	0	0	0	0	0	1.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1.2	0	0	0	0	0	0	1.2
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	0	0	0	2.5

TABLE 28: Department of Industry, Energy and Technology (Hope Brook) 2023 Inlet to BHB

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	7	0	0	0	0	0	0	7
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	7	0	0	0	0	0	0	7
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.04	0	0	0	0	0	0	0.04
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.04	0	0	0	0	0	0	0.04
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	7.5	0	0	0	0	0	0	7.5
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	7.5	0	0	0	0	0	0	7.5
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	110	0	0	0	0	0	0	110
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	110	0	0	0	0	0	0	110
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Inlet to BHB

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0.11	0	0	0	0	0	0	0.11
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.11	0	0	0	0	0	0	0.11
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	6.8	0	0	0	0	0	0	6.8
pH	PH UNITS	Minimum	0	0	0	0	0	6.8	0	0	0	0	0	0	6.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	59	0	0	0	0	0	0	59
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	59	0	0	0	0	0	0	59
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	2	0	0	0	0	0	0	2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	8	0	0	0	0	0	0	8
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	8	0	0	0	0	0	0	8

TABLE 29: Department of Industry, Energy and Technology (Hope Brook) 2023 Open Pit Spillway

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	9.2	0	0	0	0	0	0	9.2
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	9.2	0	0	0	0	0	0	9.2
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	1.8	0	0	0	0	0	0	1.8
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	1.8	0	0	0	0	0	0	1.8
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	770	0	0	0	0	0	0	770
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	770	0	0	0	0	0	0	770
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	2.9	0	0	0	0	0	0	2.9
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	2.9	0	0	0	0	0	0	2.9

TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Open Pit Spillway

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0.11	0	0	0	0	0	0	0.11
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.11	0	0	0	0	0	0	0.11
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.73	0	0	0	0	0	0	7.73
pH	PH UNITS	Minimum	0	0	0	0	0	7.73	0	0	0	0	0	0	7.73
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	590	0	0	0	0	0	0	590
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	590	0	0	0	0	0	0	590
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	1.8	0	0	0	0	0	0	1.8
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1.8	0	0	0	0	0	0	1.8
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	0	0	0	2.5

TABLE 30: Department of Industry, Energy and Technology (Hope Brook) 2023 Pine Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	26	0	0	0	0	0	0	26
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	26	0	0	0	0	0	0	26
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	0	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.005	0	0	0	0	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	7.6	0	0	0	0	0	0	7.6
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	7.6	0	0	0	0	0	0	7.6
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	140	0	0	0	0	0	0	140
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	140	0	0	0	0	0	0	140
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Pine Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0.093	0	0	0	0	0	0	0.093
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.093	0	0	0	0	0	0	0.093
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	6.73	0	0	0	0	0	0	6.73
pH	PH UNITS	Minimum	0	0	0	0	0	6.73	0	0	0	0	0	0	6.73
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	36	0	0	0	0	0	0	36
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	36	0	0	0	0	0	0	36
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	0	0	0	2.5

TABLE 31: Department of Industry, Energy and Technology (Hope Brook) 2023 Polish Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	24	0	0	0	0	0	0	24
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	24	0	0	0	0	0	0	24
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.021	0	0	0	0	0	0	0.021
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.021	0	0	0	0	0	0	0.021
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	9.1	0	0	0	0	0	0	9.1
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	9.1	0	0	0	0	0	0	9.1
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	180	0	0	0	0	0	0	180
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	180	0	0	0	0	0	0	180
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2023 Polish Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0.098	0	0	0	0	0	0	0.098
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.098	0	0	0	0	0	0	0.098
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0.14	0	0	0	0	0	0	0.14
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.14	0	0	0	0	0	0	0.14
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.04	0	0	0	0	0	0	7.04
pH	PH UNITS	Minimum	0	0	0	0	0	7.04	0	0	0	0	0	0	7.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	59	0	0	0	0	0	0	59
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	59	0	0	0	0	0	0	59
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	0	0	0	2.5

TABLE 32: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Silver	UG/L	Maximum	0	0	<0.1	0	0	<0.1	0	0	0	<0.1	0	<0.1	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0.05	0	0	0.05	0	0	0	0.05	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Arsenic	UG/L	Maximum	0	0	<2	0	0	<2	0	0	0	3	0	3	3
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	1	0	0	1	0	0	0	3	0	3	3
Total Barium	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Barium	UG/L	Maximum	0	0	32	0	0	46	0	0	0	58	0	43	58
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	32	0	0	46	0	0	0	58	0	43	58
Total Boron	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Boron	UG/L	Maximum	0	0	88	0	0	136	0	0	0	384	0	112	384
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	88	0	0	136	0	0	0	384	0	112	384
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Cadmium	UG/L	Maximum	0	0	0.25	0	0	0.34	0	0	0	0.11	0	0.28	0.34
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.25	0	0	0.34	0	0	0	0.11	0	0.28	0.34
Total Chromium	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Chromium	UG/L	Maximum	0	0	5	0	0	7	0	0	0	4	0	61	61
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	5	0	0	7	0	0	0	4	0	61	61
Total Copper	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Copper	UG/L	Maximum	0	0	43	0	0	108	0	0	0	51	0	153	153
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	43	0	0	108	0	0	0	51	0	153	153
Total Iron	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Iron	UG/L	Maximum	0	0	3450	0	0	3580	0	0	0	6620	0	9560	9560
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	3450	0	0	3580	0	0	0	6620	0	9560	9560

TABLE 32 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Mercury	UG/L	Maximum	0	0	<0.026	0	0	<0.026	0	0	0	0.03	0	<0.026	0.03
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.013	0	0	0.013	0	0	0	0.03	0	0.013	0.03
Total Nickel	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Nickel	UG/L	Maximum	0	0	12	0	0	14	0	0	0	4	0	33	33
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	12	0	0	14	0	0	0	4	0	33	33
Total Ammonia	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Ammonia	MG/L	Maximum	0	0	<0.03	0	0	<0.02	0	0	0	<0.03	0	1.55	1.55
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0.015	0	0	0.01	0	0	0	0.015	0	1.55	1.55
Total Nitrate	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Nitrate	MG/L	Maximum	0	0	0.36	0	0	0.28	0	0	0	0.29	0	0.35	0.36
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0.36	0	0	0.28	0	0	0	0.29	0	0.35	0.36
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Orthophosphate	MG/L	Maximum	0	0	<0.01	0	0	<0.01	0	0	0	<0.01	0	<0.01	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.005	0	0	0.005	0	0	0	0.005	0	0.005	0.005
Total Lead	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Lead	UG/L	Maximum	0	0	0.6	0	0	0.7	0	0	0	1.1	0	1.3	1.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0.6	0	0	0.7	0	0	0	1.1	0	1.3	1.3
pH	PH UNITS	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
pH	PH UNITS	Maximum	0	0	7.31	0	0	7.02	0	0	0	7.33	0	7.15	7.33
pH	PH UNITS	Minimum	0	0	7.31	0	0	7.02	0	0	0	7.33	0	7.15	7.02
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Phenolics	MG/L	Maximum	0	0	0.001	0	0	0.002	0	0	0	0.002	0	0.001	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.001	0	0	0.002	0	0	0	0.002	0	0.001	0.002

TABLE 32 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2023 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Selenium	UG/L	Maximum	0	0	<1	0	0	<1	0	0	0	<1	0	<1	<1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0.5	0	0	0.5	0	0	0	0.5	0	0.5	0.5
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.05	0	0	0	<0.05	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.025	0	0	0.025	0	0	0	0.025	0	0.025	0.025
TDS Measured	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
TDS Measured	MG/L	Maximum	0	0	328	0	0	409	0	0	0	480	0	523	523
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	328	0	0	409	0	0	0	480	0	523	523
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	<0.1	0	0	<0.1	0	0	0	0.4	0	<0.1	0.4
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0.05	0	0	0.05	0	0	0	0.4	0	0.05	0.4
TSS	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
TSS	MG/L	Maximum	0	0	20	0	0	29	0	0	0	52	0	51	52
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	1	0	1	2
TSS	MG/L	Monthly Average	0	0	20	0	0	29	0	0	0	52	0	51	52
Total Zinc	UG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	1	4
Total Zinc	UG/L	Maximum	0	0	84	0	0	127	0	0	0	86	0	154	154
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	84	0	0	127	0	0	0	86	0	154	154

TABLE 33: DJ Composites 2023 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	730	0	0	0	0	0	0	0	0	0	0	730
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	730	0	0	0	0	0	0	0	0	0	0	730
BOD, Carbonaceous	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
BOD, Carbonaceous	MG/L	Maximum	0	14	0	0	0	0	0	0	0	0	0	0	14
BOD, Carbonaceous	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD, Carbonaceous	MG/L	Monthly Average	0	14	0	0	0	0	0	0	0	0	0	0	14
Cyanide (SAD)	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Cyanide (SAD)	MG/L	Maximum	0	<0.0050	0	0	0	0	0	0	0	0	0	0	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0	0.0025	0	0	0	0	0	0	0	0	0	0	0.0025
Total Cadmium	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	<0.10	0	0	0	0	0	0	0	0	0	0	<0.10
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0	0	0	0	0.05
Total Chromium	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	68	0	0	0	0	0	0	0	0	0	0	68
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	68	0	0	0	0	0	0	0	0	0	0	68
Total Hexavalent Chromium	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Hexavalent Chromium	MG/L	Maximum	0	<0.0050	0	0	0	0	0	0	0	0	0	0	<0.0050
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0	0.0025	0	0	0	0	0	0	0	0	0	0	0.0025
Total Copper	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	<5.0	0	0	0	0	0	0	0	0	0	0	<5.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	2.5	0	0	0	0	0	0	0	0	0	0	2.5
Total Iron	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	<500	0	0	0	0	0	0	0	0	0	0	<500
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	250	0	0	0	0	0	0	0	0	0	0	250
Total Mercury	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0.022	0	0	0	0	0	0	0	0	0	0	0.022
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0.022	0	0	0	0	0	0	0	0	0	0	0.022

TABLE 33 CONTINUED: DJ Composites 2023 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	<20	0	0	0	0	0	0	0	0	0	0	<20
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	10	0	0	0	0	0	0	0	0	0	0	10
Orthophosphate	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	<0.10	0	0	0	0	0	0	0	0	0	0	<0.10
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0	0	0	0	0.05
Total Lead	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	<5.0	0	0	0	0	0	0	0	0	0	0	<5.0
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	2.5	0	0	0	0	0	0	0	0	0	0	2.5
pH	PH UNITS	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	8.8	0	0	0	0	0	0	0	0	0	0	8.8
pH	PH UNITS	Minimum	0	8.8	0	0	0	0	0	0	0	0	0	0	8.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	<0.0010	0	0	0	0	0	0	0	0	0	0	<0.0010
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0.0005	0	0	0	0	0	0	0	0	0	0	0.0005
Total Oil and Grease	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Oil and Grease	MG/L	Maximum	0	1.4	0	0	0	0	0	0	0	0	0	0	1.4
Total Oil and Grease	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0	1.4	0	0	0	0	0	0	0	0	0	0	1.4
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.090	0	0	0	0	0	0	0	0	0	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0.045	0	0	0	0	0	0	0	0	0	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	58	0	0	0	0	0	0	0	0	0	0	58
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	58	0	0	0	0	0	0	0	0	0	0	58
Total Zinc	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	150	0	0	0	0	0	0	0	0	0	0	150
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	150	0	0	0	0	0	0	0	0	0	0	150

TABLE 34: GFL Environmental Services 2023 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Boron	UG/L	Maximum	<50	87	65	78	140	100	150	160	110	140	<50	240	240
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	25	56	45	52	117	93	127	133	105	63	25	190	190
Cyanide (SAD)	MG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Cyanide (SAD)	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Cadmium	UG/L	Maximum	0.09	0.045	0.12	0.23	0.06	0.066	0.16	0.13	0.067	0.15	0.053	<0.10	0.23
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.0775	0.0335	0.1030	0.1560	0.0545	0.0505	0.0973	0.0987	0.0650	0.0910	0.0400	0.0480	0.1560
Total Chromium	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Chromium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Copper	UG/L	Maximum	1.2	1.3	2.2	1.8	2.1	1.6	2	1.4	1.5	2.7	3.2	1	3.2
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1.15	1.25	1.75	1.45	1.70	1.60	1.67	1.30	1.30	1.70	2.50	0.92	2.50
Total Iron	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Iron	UG/L	Maximum	120	220	310	480	440	120	1600	1500	890	910	590	910	1600
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	104	180	260	365	315	115	1100	1157	745	553	350	545	1157
Total Mercury	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065
Total Nickel	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	2.1	2.2	<2.0	5.7	4.1	2.4	2.7	<2.0	11	11
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1.0	1.0	1.0	1.6	1.6	1.0	3.8	3.4	2.4	2.0	1.0	8.7	8.7

TABLE 34 CONTINUED: GFL Environmental Services 2023 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Lead	UG/L	Maximum	<0.50	0.62	0.78	0.73	1.1	0.54	<0.50	0.65	0.57	0.68	0.95	<0.50	1.1
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.44	0.68	0.63	0.68	0.40	0.25	0.38	0.41	0.39	0.60	0.25	0.68
pH	PH UNITS	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
pH	PH UNITS	Maximum	7.42	7.7	7.71	7.45	7.6	7.69	7.7	7.78	7.71	7.71	7.66	7.53	7.78
pH	PH UNITS	Minimum	7.36	7.03	7.53	7.38	7.32	7.35	7.25	7.58	7.61	7.38	7.43	7.19	7.03
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Phenolics	MG/L	Maximum	0.0016	0.0024	0.0026	0.0025	<0.0010	<0.0010	0.0016	<0.0010	<0.0010	0.05	0.12	0.02	0.12
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0011	0.0021	0.0016	0.0015	0.0005	0.0005	0.0012	0.0005	0.0005	0.0184	0.0621	0.0142	0.0621
Total Phosphates as P2O5	MG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Phosphates as P2O5	MG/L	Maximum	0.2	0.33	0.35	0.89	0.94	1.3	1.7	1.5	1.6	1.5	0.69	0.67	1.7
Total Phosphates as P2O5	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0.16	0.26	0.35	0.77	0.93	1.20	1.40	1.50	1.45	0.64	0.36	0.52	1.50
TPH (Atlantic PIRI)	MG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
TPH (Atlantic PIRI)	MG/L	Maximum	0.7	0.57	0.23	0.99	0.12	0.23	0.37	0.43	0.39	0.19	0.31	0.44	0.99
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.68	0.41	0.14	0.63	0.08	0.22	0.22	0.25	0.28	0.09	0.22	0.24	0.68
TSS	MG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
TSS	MG/L	Maximum	1.8	1.8	2.4	1.6	3.5	1.4	4	4	4.2	4	2.8	2.4	4.2
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.50	1.18	1.45	1.60	2.00	1.20	2.87	2.93	3.40	2.93	1.90	1.48	3.40
Total Zinc	UG/L	# of Samples	2	2	2	2	2	2	3	3	2	3	2	2	27
Total Zinc	UG/L	Maximum	43	38	70	82	39	42	53	75	100	64	34	43	100
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	41.5	32.0	47.5	72.0	35.5	31.0	41.0	67.0	91.5	48.3	23.5	39.5	91.5

TABLE 35: Halifax C&D 2023 Collection Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Silver	UG/L	Maximum	<0.1	0	0	0	<0.1	<0.1	0	0	<0.10	0	0	0	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.05	0	0	0	0.05	0.05	0	0	0.05	0	0	0	0.05
Total Arsenic	UG/L	# of Samples	1	0	0	0	0	1	0	0	1	0	0	0	3
Total Arsenic	UG/L	Maximum	<2	0	0	0	0	<2	0	0	<1.0	0	0	0	<2
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0	0	0	0	1	0	0	0.5	0	0	0	1
Total Barium	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Barium	UG/L	Maximum	17	0	0	0	12	9	0	0	9.4	0	0	0	17
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	17	0	0	0	12	9	0	0	9.4	0	0	0	17
Total Boron	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Boron	UG/L	Maximum	12	0	0	0	12	12	0	0	<50	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	12	0	0	0	12	12	0	0	25	0	0	0	25
BOD	MG/L	# of Samples	1	0	0	0	1	1	0	0	0	0	0	0	3
BOD	MG/L	Maximum	5	0	0	0	3	6	0	0	0	0	0	0	6
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	5	0	0	0	3	6	0	0	0	0	0	0	6
BOD, Carbonaceous	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
BOD, Carbonaceous	MG/L	Maximum	0	0	0	0	0	0	0	0	<5.0	0	0	0	<5.0
BOD, Carbonaceous	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD, Carbonaceous	MG/L	Monthly Average	0	0	0	0	0	0	0	0	2.5	0	0	0	2.5
Cyanide (SAD)	MG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Cyanide (SAD)	MG/L	Maximum	<0.002	0	0	0	<0.002	<0.002	0	0	<0.0050	0	0	0	<0.0050
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.001	0	0	0	0.001	0.001	0	0	0.0025	0	0	0	0.0025
Total Cadmium	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Cadmium	UG/L	Maximum	<0.09	0	0	0	<0.09	<0.09	0	0	<0.010	0	0	0	<0.09
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.045	0	0	0	0.045	0.045	0	0	0.005	0	0	0	0.045
Total Chromium	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Chromium	UG/L	Maximum	2	0	0	0	<2	<2	0	0	1.5	0	0	0	2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	2	0	0	0	1	1	0	0	1.5	0	0	0	2

TABLE 35 CONTINUED: Halifax C&D 2023 Collection Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Copper	UG/L	Maximum	6	0	0	0	3	3	0	0	7.7	0	0	0	7.7
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	6	0	0	0	3	3	0	0	7.7	0	0	0	7.7
Total Iron	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Iron	UG/L	Maximum	525	0	0	0	263	203	0	0	480	0	0	0	525
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	525	0	0	0	263	203	0	0	480	0	0	0	525
Total Mercury	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Mercury	UG/L	Maximum	<0.026	0	0	0	<0.026	<0.026	0	0	<0.013	0	0	0	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.013	0	0	0	0.013	0.013	0	0	0.0065	0	0	0	0.013
Total Nickel	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Nickel	UG/L	Maximum	<2	0	0	0	<2	<2	0	0	<2.0	0	0	0	<2
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	0	0	0	1	1	0	0	1	0	0	0	1
Total Ammonia	MG/L	# of Samples	1	0	0	0	1	1	0	0	0	0	0	0	3
Total Ammonia	MG/L	Maximum	0.21	0	0	0	0.15	0.23	0	0	0	0	0	0	0.23
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.21	0	0	0	0.15	0.23	0	0	0	0	0	0	0.23
Total Nitrate	MG/L	# of Samples	1	0	0	0	1	1	0	0	0	0	0	0	3
Total Nitrate	MG/L	Maximum	<0.05	0	0	0	<0.05	0.05	0	0	0	0	0	0	0.05
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0.025	0	0	0	0.025	0.05	0	0	0	0	0	0	0.05
Total Lead	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Lead	UG/L	Maximum	1.3	0	0	0	0.7	<0.5	0	0	0.69	0	0	0	1.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.3	0	0	0	0.7	0.25	0	0	0.69	0	0	0	1.3
pH	PH UNITS	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
pH	PH UNITS	Maximum	6.88	0	0	0	6.35	6.42	0	0	7.83	0	0	0	7.83
pH	PH UNITS	Minimum	6.88	0	0	0	6.35	6.42	0	0	7.83	0	0	0	6.35
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Phenolics	MG/L	Maximum	0.006	0	0	0	0.001	0.006	0	0	<0.0010	0	0	0	0.006
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.006	0	0	0	0.001	0.006	0	0	0.0005	0	0	0	0.006

TABLE 35 CONTINUED: Halifax C&D 2023 Collection Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Phosphates as P2O5	MG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Phosphates as P2O5	MG/L	Maximum	<0.01	0	0	0	<0.01	0.07	0	0	0.05	0	0	0	0.07
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0.005	0	0	0	0.005	0.07	0	0	0.05	0	0	0	0.07
Total Selenium	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Selenium	UG/L	Maximum	<1	0	0	0	<1	<1	0	0	<0.50	0	0	0	<1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.5	0	0	0	0.5	0.5	0	0	0.25	0	0	0	0.5
Sulphide	MG/L	# of Samples	1	0	0	0	1	1	0	0	0	0	0	0	3
Sulphide	MG/L	Maximum	<0.05	0	0	0	<0.05	<0.05	0	0	0	0	0	0	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.025	0	0	0	0.025	0.025	0	0	0	0	0	0	0.025
TDS Measured	MG/L	# of Samples	1	0	0	0	1	1	0	0	0	0	0	0	3
TDS Measured	MG/L	Maximum	192	0	0	0	78	88	0	0	0	0	0	0	192
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	192	0	0	0	78	88	0	0	0	0	0	0	192
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	0	0	0	0.1	0.2	0	0	<0.090	0	0	0	0.2
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.05	0	0	0	0.1	0.2	0	0	0.045	0	0	0	0.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Suspended Solids	MG/L	Maximum	<5	0	0	0	<5	<5	0	0	6.8	0	0	0	6.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.5	0	0	0	2.5	2.5	0	0	6.8	0	0	0	6.8
Total Zinc	UG/L	# of Samples	1	0	0	0	1	1	0	0	1	0	0	0	4
Total Zinc	UG/L	Maximum	64	0	0	0	31	39	0	0	42	0	0	0	64
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	64	0	0	0	31	39	0	0	42	0	0	0	64

TABLE 36: Iron Ore Company of Canada (Labrador City) 2023 FDP-HC

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	2	1	1	1	1	2	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	2	1	1	1	1	2	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	1	2	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	1	2	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0.0013	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	0.0011	0.0013
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0007	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.0007	0.0007
Total Copper	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Copper	MG/L	Maximum	0.00081	0.0011	0.018	0.0056	0.0035	0.001	0.013	0.0074	0.0029	0.0036	0.0042	0.00076	0.018
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0007	0.0008	0.0062	0.0027	0.0020	0.0007	0.0028	0.0023	0.0017	0.0021	0.0016	0.0005	0.0062
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Un-ionized Ammonia	MG/L	Maximum	0.033	0.0042	0.062	0.032	0.038	0.099	0.054	0.1	0.066	0.047	0.028	0.023	0.1
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0151	0.0020	0.0157	0.0123	0.0255	0.0387	0.0296	0.0319	0.0538	0.0239	0.0167	0.0069	0.0538
Total Nickel	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Lead	MG/L	Maximum	<0.0005	<0.0005	0.0019	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0019
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0.0003	0.0007	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007
pH	PH UNITS	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
pH	PH UNITS	Maximum	8.22	8.15	8.37	8.14	8.19	8.18	8.08	8.11	8.09	8.02	8.04	8.18	8.37
pH	PH UNITS	Minimum	8.01	8.02	7.85	7.99	7.63	7.92	7.97	8.02	7.82	7.71	7.74	8.01	7.63
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 36 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-HC

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	5	4	4	4	6	4	6	4	4	5	4	4	54
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.011
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0065	0.0065
TSS	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
TSS	MG/L	Maximum	1.3	<0.50	0.79	17	2.2	1.6	11	1.8	2.4	2.7	2	0.5	17
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.89	0.25	0.47	4.98	0.98	0.81	4.67	1.06	1.11	1.82	0.96	0.38	4.98
Total Zinc	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0.0056	<0.0050	<0.0050	0.015	0.011	0.041	0.0058	<0.0050	<0.0050	<0.0050	0.041
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0033	0.0025	0.0025	0.0056	0.0039	0.0108	0.0033	0.0025	0.0025	0.0025	0.0108

TABLE 37: Iron Ore Company of Canada (Labrador City) 2023 FDP-JN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	2	1	1	1	3	2	1	1	1	1	16
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	2	1	1	1	3	2	1	1	1	1	16
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	3	2	1	1	1	1	14
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	3	2	1	1	1	1	14
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Total Copper	MG/L	Maximum	0.00081	0.0031	0.003	0.0011	0.005	0.00061	0.00061	0.0025	0.00086	0.0013	0.0019	0.00057	0.005
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0006	0.0013	0.0011	0.0005	0.0022	0.0005	0.0005	0.0009	0.0005	0.0005	0.0008	0.0005	0.0022
Un-ionized Ammonia	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Un-ionized Ammonia	MG/L	Maximum	0.0004	<0.0004	<0.00046	0.0013	0.002	<0.0025	0.005	0.0034	<0.0032	<0.0025	0.00076	<0.0004	0.005
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0003	0.0002	0.0002	0.0006	0.0008	0.0008	0.0026	0.0014	0.0011	0.0005	0.0004	0.0002	0.0026

TABLE 37 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-JN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
pH	PH UNITS	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
pH	PH UNITS	Maximum	8	7.93	7.97	7.99	7.98	8.02	8	8.02	8.12	8.1	7.95	8.04	8.12
pH	PH UNITS	Minimum	7.83	7.88	7.81	7.89	7.3	7.71	7.88	7.7	7.83	7.85	7.84	7.87	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
TSS	MG/L	Maximum	1	1	2.1	1.5	3.4	3.9	14	8.4	18	7.3	1.6	1.4	18
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.73	0.51	1.18	1.27	3.22	3.25	4.54	3.35	4.98	2.34	1.18	0.92	4.98
Total Zinc	MG/L	# of Samples	4	5	4	3	5	4	5	5	4	5	4	3	51
Total Zinc	MG/L	Maximum	0.0066	0.039	0.077	0.0054	<0.0050	0.009	<0.0050	0.0073	<0.0050	0.0095	<0.0050	<0.0050	0.077
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0035	0.0104	0.0211	0.0035	0.0025	0.0041	0.0025	0.0035	0.0025	0.0039	0.0025	0.0025	0.0211

TABLE 38: Iron Ore Company of Canada (Labrador City) 2023 FDP-LLN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	2	0	0	0	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	2	0	0	0	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	2	0	0	0	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	2	0	0	0	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Total Copper	MG/L	Maximum	0	0	0	0	0.00083	<0.00050	0.0038	0.00073	0.0012	0	0	0	0.0038
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.0006	0.0003	0.0012	0.0005	0.0012	0	0	0	0.0012
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0.0025	0.0034	0.0041	0.0076	0.0052	0	0	0	0.0076
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.0018	0.0021	0.0025	0.0044	0.0052	0	0	0	0.0052
Total Nickel	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	0	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0	0	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	0	0	0	0.0006
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0	0.0003
pH	PH UNITS	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
pH	PH UNITS	Maximum	0	0	0	0	8.29	8.47	8.5	8.5	8.47	0	0	0	8.5
pH	PH UNITS	Minimum	0	0	0	0	7.7	8.41	8.41	8.46	8.47	0	0	0	7.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 38 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-LLN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	0	0	3	4	6	4	1	0	0	0	18
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0.005	0.005	0.005	0.005	0	0	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
TSS	MG/L	Maximum	0	0	0	0	8.5	3.1	8	2.1	13	0	0	0	13
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	7.9	2.0	2.9	1.2	13.0	0	0	0	13.0
Total Zinc	MG/L	# of Samples	0	0	0	0	3	4	6	5	1	0	0	0	19
Total Zinc	MG/L	Maximum	0	0	0	0	0.008	<0.0050	0.0096	<0.0050	0.011	0	0	0	0.011
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0062	0.0025	0.0054	0.0025	0.0110	0	0	0	0.0110

TABLE 39: Iron Ore Company of Canada (Labrador City) 2023 FDP-MD30

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	2	1	1	1	1	2	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	2	1	1	1	1	2	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	1	2	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	1	2	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Copper	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	0.0006
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Un-ionized Ammonia	MG/L	Maximum	0.0008	<0.0004	0.0007	0.0005	0.0006	<0.0041	<0.0061	0.0024	0.0068	0.0037	0.0010	0.0011	0.0068
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0004	0.0002	0.0004	0.0003	0.0005	0.0012	0.0024	0.0016	0.0036	0.0021	0.0007	0.0005	0.0036

TABLE 39 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-MD30

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0018	0.0034	<0.0005	<0.0005	<0.0005	<0.0005	0.0034
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0009	0.0003	0.0003	0.0003	0.0003	0.0009
pH	PH UNITS	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
pH	PH UNITS	Maximum	8.33	8.34	8.65	8.21	8.17	8.31	8.53	8.51	8.47	8.46	8.33	8.36	8.65
pH	PH UNITS	Minimum	8.22	8.18	8.18	8.03	7.72	8.19	8.39	8.34	8.35	8.29	8.23	8.22	7.72
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	4	4	4	6	4	6	4	4	5	4	4	54
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
TSS	MG/L	Maximum	0.7	0.8	1.3	<0.50	4.4	1.4	1.6	0.6	0.8	2.2	0.6	0.9	4.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.34	0.56	0.73	0.25	2.17	0.81	0.87	0.32	0.48	0.96	0.40	0.48	2.17
Total Zinc	MG/L	# of Samples	5	4	4	4	6	4	6	5	4	5	4	4	55
Total Zinc	MG/L	Maximum	<0.0050	0.0210	0.0082	<0.0050	0.0130	<0.0050	<0.0050	0.3600	<0.0050	<0.0050	<0.0050	0.0096	0.3600
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0071	0.0039	0.0025	0.0043	0.0025	0.0025	0.0740	0.0025	0.0025	0.0025	0.0050	0.0740

TABLE 40: Iron Ore Company of Canada (Labrador City) 2023 FDP-MP-06

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	0	0	0	0	0	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.0022	0	0	0	0	0	0	0	0.0022
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.0020	0	0	0	0	0	0	0	0.0020
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0.0007	0	0	0	0	0	0	0	0.0007
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0	0	0	0.0005
Total Nickel	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	0.0031	0	0	0	0	0	0	0	0.0031
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0029	0	0	0	0	0	0	0	0.0029
Total Lead	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	0	0	0	0	0	0	0	<0.0005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.0003	0	0	0	0	0	0	0	0.0003
pH	PH UNITS	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	8.57	0	0	0	0	0	0	0	8.57
pH	PH UNITS	Minimum	0	0	0	0	7.66	0	0	0	0	0	0	0	7.66
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 40 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-MP-06

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	0	0	0	0	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0	0	0	0	0	0	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	18	0	0	0	0	0	0	0	18
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	16.5	0	0	0	0	0	0	0	16.5
Total Zinc	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0.01	0	0	0	0	0	0	0	0.01
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.00625	0	0	0	0	0	0	0	0.00625

TABLE 41: Iron Ore Company of Canada (Labrador City) 2023 FDP-W3-02

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	1	1	1	2	1	1	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	2	1	1	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	1	1	1	2	1	1	1	1	11
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	2	1	1	1	1	11
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Total Arsenic	MG/L	Maximum	<0.0010	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Total Copper	MG/L	Maximum	<0.00050	0	0	0.0007	0.0014	0.0008	0.0190	0.0012	0.0008	0.0014	0.0020	0.0011	0.0190
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00025	0	0	0.0007	0.0010	0.0007	0.0035	0.0007	0.0008	0.0010	0.0018	0.0008	0.0035
Un-ionized Ammonia	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Un-ionized Ammonia	MG/L	Maximum	0.0005	0	0	0.0024	0.0400	0.1400	0.1200	0.0990	0.0920	0.0710	0.0710	0.0720	0.1400
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00026	0	0	0.0024	0.0215	0.0900	0.0616	0.0640	0.0758	0.0498	0.0513	0.0296	0.0900

TABLE 41 CONTINUED: Iron Ore Company of Canada (Labrador City) 2023 FDP-W3-02

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Total Nickel	MG/L	Maximum	<0.0020	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Total Lead	MG/L	Maximum	0.00087	0	0	<0.0005	<0.0005	0.0005	0.0009	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	0.0009
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.000374	0	0	0.0003	0.0003	0.0003	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0004
pH	PH UNITS	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
pH	PH UNITS	Maximum	8.05	0	0	7.81	8.01	7.93	8.14	8.14	8.07	8.08	8	8	8.14
pH	PH UNITS	Minimum	7.86	0	0	7.81	7.5	7.87	7.92	7.91	7.67	7.9	7.93	7.74	7.5
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	0	0	1	5	4	6	4	4	5	4	3	41
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
TSS	MG/L	Maximum	0.7	0	0	2.7	9.5	3.2	2.3	0.8	1.7	2.2	1.3	2	9.5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.433	0	0	2.7	4.96	2.65	1.25	0.59	1.075	1.84	0.6875	1.1	4.96
Total Zinc	MG/L	# of Samples	5	0	0	1	5	4	6	5	4	5	4	3	42
Total Zinc	MG/L	Maximum	<0.0050	0	0	0.0096	<0.0050	<0.0050	0.46	0.0065	<0.0050	<0.0050	<0.0050	0.0059	0.46
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.0096	0.0025	0.0025	0.1566	0.0038	0.0025	0.0025	0.0025	0.0036	0.1566

TABLE 42: Iron Ore Company of Canada (Labrador City) 2023 PD11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	2	0	2	1	1	2	0	0	8
pH	PH UNITS	Maximum	0	0	0	0	7.97	0	7.91	7.94	7.92	7.79	0	0	7.97
pH	PH UNITS	Minimum	0	0	0	0	7.97	0	7.91	7.94	7.92	7.79	0	0	7.79
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	1	1	2	0	0	6
TSS	MG/L	Maximum	0	0	0	0	<0.50	0	0	<0.50	<0.50	<0.50	0	0	<0.50
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.25	0	0	0.25	0.25	0.25	0	0	0.25

TABLE 43: Iron Ore Company of Canada (Labrador City) 2023 PD19

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	2	0	2	1	1	1	0	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.06	0	8.13	8.21	7.93	8.06	0	0	8.21
pH	PH UNITS	Minimum	0	0	0	0	8.06	0	8.13	8.21	7.93	8.06	0	0	7.93
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	1	1	1	0	0	5
TSS	MG/L	Maximum	0	0	0	0	2.9	0	0	0.8	12	1	0	0	12
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	2.9	0	0	0.8	12	1	0	0	12

TABLE 44: Iron Ore Company of Canada (Labrador City) 2023 PD25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	2	0	2	1	1	1	0	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.27	0	8.09	8.25	8.29	7.86	0	0	8.29
pH	PH UNITS	Minimum	0	0	0	0	8.27	0	8.09	8.25	8.29	7.86	0	0	7.86
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	1	1	1	0	0	5
TSS	MG/L	Maximum	0	0	0	0	0.5	0	0	<0.50	<0.50	<0.50	0	0	0.5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.5	0	0	0.25	0.25	0.25	0	0	0.5

TABLE 45: Iron Ore Company of Canada (Labrador City) 2022 PD35

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	0	1	0	1	1	1	0	0	0	5
pH	PH UNITS	Maximum	6.33	0	0	0	6.27	0	6.24	6.85	6.98	0	0	0	6.98
pH	PH UNITS	Minimum	6.33	0	0	0	6.27	0	6.24	6.85	6.98	0	0	0	6.24
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	0	0	0	1	0	1	1	1	0	0	0	5
TSS	MG/L	Maximum	3.2	0	0	0	<0.50	0	<0.50	<0.50	<0.50	0	0	0	3.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.2	0	0	0	0.25	0	0.25	0.25	0.25	0	0	0	3.2

TABLE 46: Labatt Breweries Newfoundland (St. John's) 2023 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Boron	UG/L	Maximum	0	0	<500	0	0	0	<50	0	<5	0	0	0	<500
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	137.5	0	0	0	25	0	2.5	0	0	0	137.5
BOD	MG/L	# of Samples	5	3	3	4	5	2	3	1	3	3	3	3	38
BOD	MG/L	Maximum	2700	3000	2800	2800	2700	1700	2400	174	3460	1860	3330	3600	3600
BOD	MG/L	Exceedance(>300)	3	3	2	4	5	2	3	0	3	3	3	3	34
BOD	MG/L	Monthly Average	946	1593	1333	1825	1448	1400	1533	174	2377	1214	2107	2385	2385
Total Cadmium	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Cadmium	UG/L	Maximum	0	0	0.11	0	0	0	0.1	0	<0.090	0	0	0	0.11
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.097	0	0	0	0.100	0	0.045	0	0	0	0.100
Total Chromium	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Chromium	UG/L	Maximum	0	0	26	0	0	0	1.7	0	3	0	0	0	26
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	15.6	0	0	0	1.7	0	3	0	0	0	15.6
Total Copper	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Copper	UG/L	Maximum	0	0	100	0	0	0	42	0	29	0	0	0	100
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	99.5	0	0	0	42.0	0	29.0	0	0	0	99.5
Total Iron	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Iron	UG/L	Maximum	0	0	2900	0	0	0	550	0	1190	0	0	0	2900
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	1775	0	0	0	550	0	1190	0	0	0	1775
Total Mercury	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Mercury	UG/L	Maximum	0	0	0.043	0	0	0	<0.013	0	0.5	0	0	0	0.5
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.028	0	0	0	0.0065	0	0.50	0	0	0	0.50
Total Nickel	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Nickel	UG/L	Maximum	0	0	<20	0	0	0	6.2	0	9	0	0	0	<20
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	7.2	0	0	0	6.2	0	9	0	0	0	9

TABLE 46 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2023 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Orthophosphate	MG/L	Maximum	0	0	0.98	0	0	0	13	0	370	0	0	0	370
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	1	0	1	0	0	0	2
Orthophosphate	MG/L	Monthly Average	0	0	0.575	0	0	0	13	0	370	0	0	0	370
Total Lead	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Lead	UG/L	Maximum	0	0	8.7	0	0	0	1.6	0	3.6	0	0	0	8.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	8.5	0	0	0	1.6	0	3.6	0	0	0	8.5
pH	PH UNITS	# of Samples	5	3	5	4	5	2	4	1	3	3	3	3	41
pH	PH UNITS	Maximum	7.66	6.96	7.37	8.64	7.41	6.75	6.39	7.14	6.42	5.87	6.56	11.38	11.38
pH	PH UNITS	Minimum	4.86	5.25	5.31	5.31	5.46	6.28	4.49	7.14	4.72	4.5	5.52	5.28	4.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	2	1	2	1	1	0	2	0	1	1	0	2	13
Phenolics	MG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Phenolics	MG/L	Maximum	0	0	0.0086	0	0	0	0.0094	0	0.01	0	0	0	0.01
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0052	0	0	0	0.0094	0	0.01	0	0	0	0.01
Phosphates (total)	MG/L	# of Samples	0	0	0	0	0	0	0	1	2	2	3	3	11
Phosphates (total)	MG/L	Maximum	0	0	0	0	0	0	0	1.19	0.551	4.56	1.24	3.96	4.56
Phosphates (total)	MG/L	Exceedance(>13.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phosphates (total)	MG/L	Monthly Average	0	0	0	0	0	0	0	1.19	0.37	2.93	1.16	2.64	2.93
Total Phosphates as P2O5	MG/L	# of Samples	5	3	2	4	3	2	2	1	2	3	3	3	33
Total Phosphates as P2O5	MG/L	Maximum	31	19	24	21	35	32	38	2.73	1.26	10.4	2.84	9.07	38
Total Phosphates as P2O5	MG/L	Exceedance(>10)	4	3	2	4	3	2	2	0	0	1	0	0	21
Total Phosphates as P2O5	MG/L	Monthly Average	17.0	16.0	19.0	16.3	22.7	25.5	29.5	2.7	0.8	4.5	2.7	6.1	29.5
TSS	MG/L	# of Samples	5	3	5	4	5	2	4	1	3	3	3	3	41
TSS	MG/L	Maximum	1400	1300	5700	4200	2900	890	1200	445	194	2015	172	185	5700
TSS	MG/L	Exceedance(>350)	3	1	2	3	4	1	3	1	0	1	0	0	19
TSS	MG/L	Monthly Average	704.4	537.7	1376.2	1582.5	1096.0	494.0	755.0	445.0	97.7	747.0	160.7	131.7	1582.5
Total Zinc	UG/L	# of Samples	0	0	2	0	0	0	1	0	1	0	0	0	4
Total Zinc	UG/L	Maximum	0	0	430	0	0	0	380	0	189	0	0	0	430
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	340	0	0	0	380	0	189	0	0	0	380

Table 47: Marine Contractors Incorporated (Stephenville) 2023 Lagoon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Silver	UG/L	Maximum	<0.1	0	0	0	0	0	<0.1	0	0	0	0	0	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.05	0	0	0	0	0	0.05	0	0	0	0	0	0.05
Total Arsenic	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	<2	0	0	0	0	0	<2	0	0	0	0	0	<2
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Barium	UG/L	Maximum	53	0	0	0	0	0	186	0	0	0	0	0	186
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	53	0	0	0	0	0	186	0	0	0	0	0	186
Total Boron	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Boron	UG/L	Maximum	14	0	0	0	0	0	13	0	0	0	0	0	14
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	14	0	0	0	0	0	13	0	0	0	0	0	14
BOD	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
BOD	MG/L	Maximum	2	0	0	0	0	0	2	0	0	0	0	0	2
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	2	0	0	0	0	0	2	0	0	0	0	0	2
Cyanide (SAD)	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Cyanide (SAD)	MG/L	Maximum	<0.002	0	0	0	0	0	<0.002	0	0	0	0	0	<0.002
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.001	0	0	0	0	0	0.001	0	0	0	0	0	0.001
Total Cadmium	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Cadmium	UG/L	Maximum	<0.09	0	0	0	0	0	<0.09	0	0	0	0	0	<0.09
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.045	0	0	0	0	0	0.045	0	0	0	0	0	0.045
Total Chromium	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Chromium	UG/L	Maximum	<1	0	0	0	0	0	2	0	0	0	0	0	2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0.5	0	0	0	0	0	2	0	0	0	0	0	2

Table 47 CONTINUED: Marine Contractors Incorporated (Stephenville) 2023 Lagoon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Copper	UG/L	Maximum	1	0	0	0	0	0	4	0	0	0	0	0	4
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	0	0	0	0	0	4	0	0	0	0	0	4
Total Iron	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Iron	UG/L	Maximum	149	0	0	0	0	0	1380	0	0	0	0	0	1380
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	149	0	0	0	0	0	1380	0	0	0	0	0	1380
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.026	0	0	0	0	0	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.013	0	0	0	0	0	0.013
Total Nickel	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	2	0	0	0	0	0	2	0	0	0	0	0	2
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	2	0	0	0	0	0	2	0	0	0	0	0	2
Total Ammonia	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	<0.03	0	0	0	0	0	<0.03	0	0	0	0	0	<0.03
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.015	0	0	0	0	0	0.015	0	0	0	0	0	0.015
Total Nitrate	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Nitrate	MG/L	Maximum	0.32	0	0	0	0	0	<0.05	0	0	0	0	0	0.32
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0.32	0	0	0	0	0	0.025	0	0	0	0	0	0.32
Orthophosphate	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Orthophosphate	MG/L	Maximum	<0.01	0	0	0	0	0	<0.01	0	0	0	0	0	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0	0	0	0	0	0.005	0	0	0	0	0	0.005
Total Lead	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Lead	UG/L	Maximum	<0.5	0	0	0	0	0	0.6	0	0	0	0	0	0.6
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0	0	0	0.6	0	0	0	0	0	0.6

Table 47 CONTINUED: Marine Contractors Incorporated (Stephenville) 2023 Lagoon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
pH	PH UNITS	Maximum	7.55	0	0	0	0	0	6.85	0	0	0	0	0	7.55
pH	PH UNITS	Minimum	7.55	0	0	0	0	0	6.85	0	0	0	0	0	6.85
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Phenolics	MG/L	Maximum	0.004	0	0	0	0	0	0.002	0	0	0	0	0	0.004
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.004	0	0	0	0	0	0.002	0	0	0	0	0	0.004
Total Selenium	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Selenium	UG/L	Maximum	<1	0	0	0	0	0	<1	0	0	0	0	0	<1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.5	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	0	0	0	0	<0.05	0	0	0	0	0	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025
Calculated TDS	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	240	0	0	0	0	0	200	0	0	0	0	0	240
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	240	0	0	0	0	0	200	0	0	0	0	0	240
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	<0.1	0	0	0	0	0	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0.05	0	0	0	0	0	0.05
TSS	MG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
TSS	MG/L	Maximum	<5	0	0	0	0	0	6	0	0	0	0	0	6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.5	0	0	0	0	0	6	0	0	0	0	0	6
Total Zinc	UG/L	# of Samples	1	0	0	0	0	0	1	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	18	0	0	0	0	0	9	0	0	0	0	0	18
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	18	0	0	0	0	0	9	0	0	0	0	0	18

TABLE 48: Molson Coors Canada (St. John's) 2023 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
BOD	MG/L	# of Samples	4	3	5	2	3	2	5	3	5	4	4	4	44
BOD	MG/L	Maximum	6.6	400	<20	6.6	1100	1100	1300	890	640	300	2100	680	2100
BOD	MG/L	Exceedance(>300)	0	1	0	0	1	1	2	1	1	0	3	3	13
BOD	MG/L	Monthly Average	3.55	155.2	3.8	3.8	467.5	553.1	492.7	300.2	211.9	159.3	1010.8	500.0	1010.8
BOD, Carbonaceous	MG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
BOD, Carbonaceous	MG/L	Maximum	0	400	0	0	<5.0	0	0	0	0	0	0	0	400
BOD, Carbonaceous	MG/L	Exceedance(>300)	0	1	0	0	0	0	0	0	0	0	0	0	1
BOD, Carbonaceous	MG/L	Monthly Average	0	400	0	0	2.5	0	0	0	0	0	0	0	400
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	<0.010	0	0	0	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.005	0	0	0	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	8.9	0	0	0	0	0	8.9
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	8.9	0	0	0	0	0	8.9
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065

TABLE 48 CONTINUED: Molson Coors Canada (St. John's) 2023 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0.21	0	0	0	0	0	0.21
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0.21	0	0	0	0	0	0.21
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	4	4	5	3	4	2	5	3	5	4	4	4	47
pH	PH UNITS	Maximum	7.59	10.7	7.49	11.9	7.53	10.1	7.49	7.64	7.38	7.75	11.2	7.54	11.9
pH	PH UNITS	Minimum	7.12	7.49	6.93	6.92	6.16	7.51	5.47	7.38	6.79	6.73	4.88	5.89	4.88
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	3	0	1	0	1	1	0	0	0	2	0	8
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0.0012	0	0	0	0	0	0.0012
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0.0012	0	0	0	0	0	0.0012
TSS	MG/L	# of Samples	4	4	5	3	4	2	5	3	5	4	4	4	47
TSS	MG/L	Maximum	<1.0	41	1.6	54	42	48	230	45	63	49	140	68	230
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.50	21.78	0.75	18.87	17.95	24.25	80.32	16.83	26.48	24.35	75.65	47.50	80.32
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	<5.0	0	0	0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	2.5	0	0	0	0	0	2.5

TABLE 49: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Silver	UG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.016	0	<0.010	<0.010	<0.010	<0.010	0.016
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.016	0	0.005	0.005	0.005	0.005	0.016
Total Arsenic	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Arsenic	MG/L	Maximum	0.00017	0.00014	0.00034	0.0002	0.00039	0.00011	0.00029	0	0.00034	0.00024	0.00026	0.00033	0.00039
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00017	0.00014	0.00034	0.0002	0.00039	0.00011	0.00029	0	0.00034	0.00024	0.00026	0.00033	0.00039
Total Barium	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Barium	MG/L	Maximum	0.0379	0.041	0.0152	0.00923	0.0133	0.0116	0.0166	0	0.028	0.025	0.0171	0.0127	0.041
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.0379	0.041	0.0152	0.00923	0.0133	0.0116	0.0166	0	0.028	0.025	0.0171	0.0127	0.041
Total Boron	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Boron	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	0	<0.010	<0.010	<0.010	0.014	0.014
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0	0.005	0.005	0.005	0.014	0.014
BOD	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
BOD	MG/L	Maximum	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	8.5	<3.0	<3.0	2.7	<2.0	2.4	8.5
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	1.50	1.50	1.50	1.50	1.50	1.50	3.25	1.50	1.25	1.43	1.00	1.47	3.25
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Cadmium	UG/L	Maximum	0.0071	0.0316	0.0120	0.0097	0.0098	0.0181	0.0220	0	0.0097	0.0090	0.0075	0.0213	0.0316
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.0071	0.0316	0.0120	0.0097	0.0098	0.0181	0.0220	0	0.0097	0.0090	0.0075	0.0154	0.0316
Total Chromium	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Chromium	MG/L	Maximum	<0.00050	0.00085	0.00057	<0.00050	0.00061	<0.00050	0.00154	0	0.00067	<0.00050	<0.00050	0.00097	0.00154
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.00025	0.00085	0.00057	0.00025	0.00061	0.00025	0.00154	0	0.00067	0.00025	0.00025	0.000795	0.00154
Total Copper	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Copper	MG/L	Maximum	0.00139	0.00177	0.00157	0.00104	0.00137	0.00102	0.00286	0	0.00264	0.00152	0.00145	0.00327	0.00327
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00139	0.00177	0.00157	0.00104	0.00137	0.00102	0.00286	0	0.00264	0.00152	0.00145	0.00231	0.00286

TABLE 49 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Iron	MG/L	Maximum	0.081	0.183	0.359	0.018	0.096	0.233	0.677	0	0.122	0.047	0.119	0.241	0.677
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.081	0.183	0.359	0.018	0.096	0.233	0.677	0	0.122	0.047	0.119	0.216	0.677
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Mercury	UG/L	Maximum	<0.0050	0.0069	<0.0050	0.0142	0.0059	<0.0050	0.0055	0	<0.0050	<0.0050	<0.0050	0.006	0.0142
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0025	0.0069	0.0025	0.0142	0.0059	0.0025	0.0055	0	0.0025	0.0025	0.0025	0.0043	0.0142
Total Nickel	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Nickel	MG/L	Maximum	<0.00050	0.00077	0.00067	<0.00050	<0.00050	<0.00050	0.00179	0	<0.00050	<0.00050	<0.00050	0.00127	0.00179
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00025	0.00077	0.00067	0.00025	0.00025	0.00025	0.00179	0	0.00025	0.00025	0.00025	0.0012	0.00179
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Ammonia	MG/L	Maximum	<0.0050	0.009	<0.0050	0.0068	0.0066	0.0146	0.073	0	<0.0050	0.0061	<0.0050	0.0056	0.073
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.0025	0.009	0.0025	0.0068	0.0066	0.0146	0.073	0	0.0025	0.0061	0.0025	0.0056	0.073
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Nitrate	MG/L	Maximum	0.266	0.322	0.057	0.234	<0.100	0.028	0.119	0	0.19	0.247	0.121	0.32	0.322
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.266	0.322	0.057	0.234	0.05	0.028	0.119	0	0.19	0.247	0.121	0.32	0.322
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Orthophosphate	MG/L	Maximum	0.0043	<0.0010	0.0032	0.0096	0.0027	<0.0010	<0.0010	0	0.0018	0.0026	0.0043	0.0026	0.0096
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.0043	0.0005	0.0032	0.0096	0.0027	0.0005	0.0005	0	0.0018	0.0026	0.0043	0.0026	0.0096
Total Lead	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Lead	MG/L	Maximum	0.000222	0.000312	0.000948	0.000186	0.000387	0.000136	0.00155	0	0.000274	0.000338	0.000461	0.000349	0.00155
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.000222	0.000312	0.000948	0.000186	0.000387	0.000136	0.00155	0	0.000274	0.000338	0.000461	0.0003275	0.00155
pH	PH UNITS	# of Samples	6	5	5	5	6	5	5	4	7	5	6	10	69
pH	PH UNITS	Maximum	7.9	7.5	7.67	7.81	7.74	6.94	6.88	6.8	7.85	7.26	7.43	7.55	7.9
pH	PH UNITS	Minimum	6.4	6.8	6.7	6.6	6.3	6.1	6.5	6.5	6.7	6.6	6.3	6.6	6.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 49 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	1	1	1	1	0	1	1	0	1	1	1	1	10
Phenolics	MG/L	Maximum	<0.0010	0.002	<0.0010	0.0044	0	<0.0010	0.102	0	<0.0010	<0.0010	0.0032	0.0026	0.102
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	1	0	0	0	0	0	1
Phenolics	MG/L	Monthly Average	0.0005	0.002	0.0005	0.0044	0	0.0005	0.102	0	0.0005	0.0005	0.0032	0.0026	0.102
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Total Selenium	UG/L	Maximum	0.062	0.081	0.086	0.072	0.107	0.063	0.086	0	0.095	<0.050	0.062	0.099	0.107
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.062	0.081	0.086	0.072	0.107	0.063	0.086	0	0.095	0.025	0.062	0.099	0.107
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Sulphide	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0.005	0.005	0.005	0.005	0.005
Calculated TDS	MG/L	# of Samples	6	5	5	5	6	5	5	4	5	5	6	4	61
Calculated TDS	MG/L	Maximum	783	233	280	152	115	90	190	308	92	78	107	162	783
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	193.50	151.60	103.20	94.80	79.00	65.60	128.60	128.00	79.40	69.80	64.83	114.25	193.50
TPH (Atlantic PIRI)	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
TPH (Atlantic PIRI)	MG/L	Maximum	<0.09	<0.09	0.165	<0.09	<0.2	<0.09	<0.09	<0.2	<0.2	<0.2	<0.090	<0.090	0.165
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.05	0.05	0.08	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.08
TSS	MG/L	# of Samples	5	4	4	4	5	4	4	4	6	4	5	9	58
TSS	MG/L	Maximum	4.2	6	2.5	5	3.3	2.8	2	2	4.4	2	3.5	2.6	6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.87	3	2.175	2.75	2.4	2.3	2	2	2.775	2	2.42	2.2	3
Total Zinc	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	2	12
Total Zinc	MG/L	Maximum	0.004	0.0178	0.0601	0.0102	0.004	<0.0030	0.0486	0	0.0048	0.0125	0.0046	0.0215	0.0601
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.004	0.0178	0.0601	0.0102	0.004	0.0015	0.0486	0	0.0048	0.0125	0.0046	0.01935	0.0601

TABLE 50: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Silver	UG/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	0	<0.100	<0.100
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0.005	0	0	0	0	0	0	0	0	0.05	0.05
Total Arsenic	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Arsenic	MG/L	Maximum	0	0	<0.00010	0	0	0	0	0	0	0	0	<0.00100	<0.00100
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0.00005	0	0	0	0	0	0	0	0	0.0005	0.0005
Total Barium	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Barium	MG/L	Maximum	0	0	0.00444	0	0	0	0	0	0	0	0	0.00841	0.00841
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0.00444	0	0	0	0	0	0	0	0	0.00841	0.00841
Total Boron	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Boron	MG/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	0	0.159	0.159
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0.005	0	0	0	0	0	0	0	0	0.159	0.159
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Cadmium	UG/L	Maximum	0	0	0.014	0	0	0	0	0	0	0	0	<0.050	<0.050
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.014	0	0	0	0	0	0	0	0	0.025	0.025
Total Chromium	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Chromium	MG/L	Maximum	0	0	<0.00050	0	0	0	0	0	0	0	0	<0.00500	<0.00500
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0.00025	0	0	0	0	0	0	0	0	0.0025	0.0025
Total Copper	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Copper	MG/L	Maximum	0	0	<0.00050	0	0	0	0	0	0	0	0	<0.00500	<0.00500
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0.00025	0	0	0	0	0	0	0	0	0.0025	0.0025
Total Iron	MG/L	# of Samples	5	4	5	4	3	0	1	0	0	4	5	4	35
Total Iron	MG/L	Maximum	0.05	0.826	<0.100	0.052	0.56	0	0.078	0	0	0.332	0.156	<0.100	0.826
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.044	0.237	0.026	0.037	0.304	0	0.078	0	0	0.177	0.102	0.049	0.304

TABLE 50 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Mercury	UG/L	Maximum	0	0	<0.0050	0	0	0	0	0	0	0	0	<0.0050	<0.0050
Total Mercury	UG/L	Exceedance(>5.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0025	0	0	0	0	0	0	0	0	0.0025	0.0025
Total Nickel	MG/L	# of Samples	5	4	5	4	3	0	1	0	0	4	5	4	35
Total Nickel	MG/L	Maximum	<0.00500	0.0204	0.00874	0.0033	0.141	0	0.0259	0	0	0.0269	0.0461	<0.00500	0.141
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0019	0.0064	0.0025	0.0020	0.0808	0	0.0259	0	0	0.0160	0.0163	0.0023	0.0808
Total Ammonia	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Ammonia	MG/L	Maximum	0	0	0.163	0	0	0	0	0	0	0	0	0.0714	0.163
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0.163	0	0	0	0	0	0	0	0	0.0714	0.163
Nitrate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Nitrate	MG/L	Maximum	0	0	0.041	0	0	0	0	0	0	0	0	<0.200	<0.200
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0.041	0	0	0	0	0	0	0	0	0.1	0.1
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Orthophosphate	MG/L	Maximum	0	0	<0.0010	0	0	0	0	0	0	0	0	<0.0010	<0.0010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.0005	0	0	0	0	0	0	0	0	0.0005	0.0005
Total Lead	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Lead	MG/L	Maximum	0	0	<0.000050	0	0	0	0	0	0	0	0	<0.000050	<0.000050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0.000025	0	0	0	0	0	0	0	0	0.000025	0.000025
pH	PH UNITS	# of Samples	5	4	5	4	3	0	1	1	0	4	5	10	42
pH	PH UNITS	Maximum	7.2	7	7	6.9	6.8	0	6.7	6.7	0	6.8	6.5	7.4	7.4
pH	PH UNITS	Minimum	6.3	6.5	6.3	6.4	5.8	0	6.7	6.7	0	6.1	6.21	6.34	5.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	0.0303	0	0	0	0	0	0	0	0	0	0.0303
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0303	0	0	0	0	0	0	0	0	0	0.0303

TABLE 50 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Selenium	UG/L	Maximum	0	0	<0.05	0	0	0	0	0	0	0	0	<0.50	<0.500
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0.025	0	0	0	0	0	0	0	0	0.25	0.25
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	0	0	<0.010
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.005	0	0	0	0	0	0	0	0	0	0.005
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Calculated TDS	MG/L	Maximum	0	0	55	0	0	0	0	0	0	0	0	1200	1200
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	1	1
Calculated TDS	MG/L	Monthly Average	0	0	55	0	0	0	0	0	0	0	0	1200	1200
TPH (Atlantic PIRI)	MG/L	# of Samples	5	4	4	4	3	0	1	0	0	4	5	3	33
TPH (Atlantic PIRI)	MG/L	Maximum	<0.09	<0.09	<0.09	<0.09	<0.3	0	<0.09	0	0	0.31	<0.090	<0.090	0.31
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0.045	0.045	0.045	0.0983333	0	0.045	0	0	0.13875	0.045	0.045	0.13875
TSS	MG/L	# of Samples	5	4	4	4	3	0	1	1	0	4	5	9	40
TSS	MG/L	Maximum	2	4	2	2	2.5	0	2	2	0	8.1	6.2	2	8.1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.16	2.50	2.00	2.00	2.17	0	2.00	2.00	0	3.28	2.89	2.00	3.28
Total Zinc	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	1	2
Total Zinc	MG/L	Maximum	0	0	0.0154	0	0	0	0	0	0	0	0	<0.0300	0.0154
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0.0154	0	0	0	0	0	0	0	0	0.015	0.0154

TABLE 51: Newfoundland and Labrador Hydro (Holyrood) 2023 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Silver	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<0.010	<0.010
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.005	0.005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.00012	0.00012
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.00012	0.00012
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.00743	0.00743
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.00743	0.00743
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.012	0.012
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.012	0.012
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.0877	0.0877
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.0877	0.0877
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.00077	0.00077
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.00077	0.00077
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.0797	0.0797
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.0797	0.0797
Total Iron	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	4	51
Total Iron	MG/L	Maximum	<1.00	0.576	0.594	0.252	0.646	0.264	0.519	0.546	0.403	0.342	0.317	0.242	0.646
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.309	0.418	0.467	0.160	0.386	0.201	0.335	0.337	0.215	0.156	0.267	0.230	0.467

TABLE 51 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2023 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.0219	0.0219
Total Mercury	UG/L	Exceedance(>5.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.0219	0.0219
Total Nickel	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	4	51
Total Nickel	MG/L	Maximum	<0.0500	<0.0500	0.0208	0.0101	0.0301	0.014	<0.0500	0.00197	0.00508	0.0068	0.0165	0.0337	0.0337
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0084	0.0107	0.0096	0.0053	0.0146	0.0052	0.0093	0.0009	0.0038	0.0027	0.0106	0.0216	0.0216
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.00029	0.00029
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.00029	0.00029
pH	PH UNITS	# of Samples	5	4	4	4	5	4	4	4	6	4	5	9	58
pH	PH UNITS	Maximum	7.4	7.3	7	6.7	7.8	7.2	7.5	7.5	7.6	7.3	7.2	7.8	7.8
pH	PH UNITS	Minimum	6.4	6.6	6	6.3	6.3	6.3	6.8	6.8	6.6	6.3	6.1	6.9	6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<0.050	<0.050
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.025	0.025
TPH (Atlantic PIRI)	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
TPH (Atlantic PIRI)	MG/L	Maximum	0.734	0.276	0.364	1.41	0.227	0.243	0.264	0.114	0.161	<0.2	<0.139	<0.139	1.41
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.293	0.143	0.224	0.471	0.135	0.095	0.147	0.062	0.075	0.059	0.054	0.058	0.471
TSS	MG/L	# of Samples	5	4	4	4	5	4	4	4	6	4	5	9	58
TSS	MG/L	Maximum	2.6	5.8	3.4	2.5	2.7	3.3	2	2	2.63	2	3.25	2.8	5.8
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.4	3.2	2.4	2.1	2.1	2.3	2.0	2.0	1.9	2.0	2.3	2.3	3.2
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.105	0.105
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.105	0.105

TABLE 52: Newfoundland and Labrador Hydro (Holyrood) 2023 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
Total Iron	MG/L	Maximum	0.602	<1.00	0.601	0.43	1.07	0.121	0.235	0.233	0.329	0.108	0.162	0.28	1.07
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.394	0.441	0.414	0.166	0.312	0.101	0.209	0.175	0.244	0.086	0.121	0.241	0.441
Total Nickel	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
Total Nickel	MG/L	Maximum	0.0032	<0.0500	0.0205	0.0023	0.0125	0.0037	0.0056	0.0069	0.0034	0.0016	0.0056	0.0278	0.0278
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0025	0.0081	0.0066	0.0013	0.0046	0.0028	0.0036	0.0039	0.0018	0.0011	0.0040	0.0133	0.0133
pH	PH UNITS	# of Samples	5	4	4	4	5	4	4	4	6	4	5	9	58
pH	PH UNITS	Maximum	6.6	7.3	7.14	6.6	6.73	7.11	6.8	6.8	7.1	6.9	6.3	7	7.3
pH	PH UNITS	Minimum	6.3	6.4	6.3	6.1	6	6.3	6.4	6.4	6.6	6.6	6	6.24	6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	# of Samples	5	4	4	4	5	4	4	4	4	4	5	3	50
TPH (Atlantic PIRI)	MG/L	Maximum	0.297	0.365	0.113	0.099	0.247	<0.09	0.127	0.111	0.597	<0.2	<0.090	<0.090	0.597
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.128	0.176	0.062	0.059	0.096	0.045	0.077	0.075	0.186	0.059	0.045	0.045	0.186
TSS	MG/L	# of Samples	5	4	4	4	5	4	4	4	6	4	5	9	58
TSS	MG/L	Maximum	2	5	2	2	4	3	4	4	5.9	2	2.3	3.3	5.9
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.37	3.30	2.00	2.00	2.64	2.35	2.50	2.50	2.48	2.00	2.11	2.43	3.30

TABLE 53: Newfoundland and Labrador Hydro (Holyrood) 2023 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	6	6	10	4	4	2	1	3	5	1	3	3	48
Total Iron	MG/L	Maximum	0.877	0.86	64.9	0.298	0.964	0.681	<0.100	<1.00	<1.00	0.105	0.223	0.677	64.9
Total Iron	MG/L	Exceedance(>10)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Iron	MG/L	Monthly Average	0.305	0.386	6.870	0.201	0.470	0.366	0.050	0.200	0.355	0.105	0.139	0.331	6.870
Total Nickel	MG/L	# of Samples	6	6	10	4	4	2	1	3	5	1	3	3	48
Total Nickel	MG/L	Maximum	0.151	0.123	5.38	0.0237	0.0493	0.0667	0.0299	0.0669	0.12	0.0693	0.102	0.0913	5.38
Total Nickel	MG/L	Exceedance(>0.5)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Monthly Average	0.070	0.099	0.584	0.023	0.033	0.046	0.030	0.055	0.071	0.069	0.098	0.069	0.584
pH	PH UNITS	# of Samples	6	6	8	5	4	2	1	3	2	2	3	9	51
pH	PH UNITS	Maximum	8.9	8.6	8.85	8.8	8.7	8.9	8.7	8.7	8.8	8.7	8.7	8.9	8.9
pH	PH UNITS	Minimum	8.4	8	8	8.5	8.3	8.8	8.7	8.5	8.3	8.6	8.5	7.9	7.9
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	6	6	8	5	4	2	1	3	2	2	3	9	51
TSS	MG/L	Maximum	10	5.6	16.75	6.8	10	6.5	3.3	5.5	1.6	6.75	5	12.8	16.75
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	4.33	3.33	5.33	4.22	4.08	5.65	3.30	3.45	1.08	4.13	3.10	5.53	5.65

TABLE 54: Newfoundland Transshipment Limited 2023 Oily Water Separator

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	0	0	1	0	0	0	0	0	1	3
pH	PH UNITS	Maximum	6.8	0	0	0	0	6.7	0	0	0	0	0	6.8	6.8
pH	PH UNITS	Minimum	6.8	0	0	0	0	6.7	0	0	0	0	0	6.8	6.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	# of Samples	1	0	0	0	0	1	0	0	0	0	0	1	3
Calculated TDS	MG/L	Maximum	714	0	0	0	0	1578	0	0	0	0	0	286	1578
Calculated TDS	MG/L	Exceedance(>36000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	714	0	0	0	0	1578	0	0	0	0	0	286	1578
Total Oil and Grease	MG/L	# of Samples	1	0	0	0	0	1	0	0	0	0	0	1	3
Total Oil and Grease	MG/L	Maximum	7.8	0	0	0	0	6.1	0	0	0	0	0	5.9	7.8
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	7.8	0	0	0	0	6.1	0	0	0	0	0	5.9	7.8
TSS	MG/L	# of Samples	1	0	0	0	0	1	0	0	0	0	0	1	3
TSS	MG/L	Maximum	1.6	0	0	0	0	<1.6	0	0	0	0	0	<1.6	1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.6	0	0	0	0	0.8	0	0	0	0	0	0.8	1.6

*Note 1 in the ECWSR is applied to determine TDS at this location. TDS limit is based on background levels in Placentia Bay.

TABLE 55: Newfoundland Transshipment Limited 2023 Remote Impoundment Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.7	0	0	0	0	0	6.3	0	6.7
pH	PH UNITS	Minimum	0	0	0	0	6.7	0	0	0	0	0	6.3	0	6.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Oil and Grease	MG/L	Maximum	0	0	0	0	3.4	0	0	0	0	0	4.5	0	4.5
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0	0	0	0	3.4	0	0	0	0	0	4.5	0	4.5
TSS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
TSS	MG/L	Maximum	0	0	0	0	<1.6	0	0	0	0	0	<1.6	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.8	0	0	0	0	0	0.8	0	0.8

TABLE 56: Newfoundland Transshipment Limited 2023 Tank No. 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.1	0	0	7.6	0	0	7.6	0	0	7.8	0	0	7.8
pH	PH UNITS	Minimum	7.1	0	0	7.6	0	0	7.6	0	0	7.8	0	0	7.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	2.6	0	0	8.8	0	0	5.8	0	0	3.9	0	0	8.8
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	2.6	0	0	8.8	0	0	5.8	0	0	3.9	0	0	8.8
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 57: Newfoundland Transshipment Limited 2023 Tank No. 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.1	0	0	7.9	0	0	7.8	0	0	8	0	0	8
pH	PH UNITS	Minimum	7.1	0	0	7.9	0	0	7.8	0	0	8	0	0	7.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	6.6	0	0	4.4	0	0	4.9	0	0	2.2	0	0	6.6
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	6.6	0	0	4.4	0	0	4.9	0	0	2.2	0	0	6.6
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 58: Newfoundland Transshipment Limited 2023 Tank No. 3

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.2	0	0	7.3	0	0	7.8	0	0	8	0	0	8
pH	PH UNITS	Minimum	7.2	0	0	7.3	0	0	7.8	0	0	8	0	0	7.2
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5.7	0	0	9.9	0	0	4.3	0	0	1.5	0	0	9.9
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	5.7	0	0	9.9	0	0	4.3	0	0	1.5	0	0	9.9
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	2.4	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	2.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.4	0	0	0.8	0	0	0.8	0	0	0.8	0	0	2.4

TABLE 59: Newfoundland Transshipment Limited 2023 Tank No. 4

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	2	6
pH	PH UNITS	Maximum	6.8	0	0	7.2	0	0	7.2	0	0	7.4	0	6.8	7.4
pH	PH UNITS	Minimum	6.8	0	0	7.2	0	0	7.2	0	0	7.4	0	6.8	6.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	2	6
Total Oil and Grease	MG/L	Maximum	7.1	0	0	3.2	0	0	5.6	0	0	1.5	0	12.2	12.2
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	7.1	0	0	3.2	0	0	5.6	0	0	1.5	0	11.25	11.25
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	2	6
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	2.4	0	8.4	8.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	2.4	0	5.05	5.05

TABLE 60: Newfoundland Transshipment Limited 2023 Tank No. 5

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	6.7	0	0	7.2	0	0	7	0	0	7.3	0	0	7.3
pH	PH UNITS	Minimum	6.7	0	0	7.2	0	0	7	0	0	7.3	0	0	6.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	7.2	0	0	7.1	0	0	6	0	0	2.4	0	0	7.2
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	7.2	0	0	7.1	0	0	6	0	0	2.4	0	0	7.2
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 61: Newfoundland Transshipment Limited 2023 Tank No. 6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	6.8	0	0	7.2	0	0	7.3	0	0	7.4	0	0	7.4
pH	PH UNITS	Minimum	6.8	0	0	7.2	0	0	7.3	0	0	7.4	0	0	6.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	1.2	0	0	8.8	0	0	5.3	0	0	3.1	0	0	8.8
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	1.2	0	0	8.8	0	0	5.3	0	0	3.1	0	0	8.8
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 62: Newfoundland Transshipment Limited 2023 Tank No. 7

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.3	0	0	8.2	0	0	8	0	0	7.9	0	0	8.2
pH	PH UNITS	Minimum	7.3	0	0	8.2	0	0	8	0	0	7.9	0	0	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	8.6	0	0	12.7	0	0	7.2	0	0	3.3	0	0	12.7
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	8.6	0	0	12.7	0	0	7.2	0	0	3.3	0	0	12.7
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	1.6	0	0	2.1	0	0	<1.6	0	0	<1.6	0	0	2.1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.6	0	0	2.1	0	0	0.8	0	0	0.8	0	0	2.1

TABLE 63: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Silver	UG/L	Maximum	<0.10	0	0.14	<0.10	<0.10	0	0.12	0	0	0	<0.10	0.37	0.37
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.05	0	0.14	0.05	0.05	0	0.085	0	0	0	0.05	0.21	0.21
Total Arsenic	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Arsenic	MG/L	Maximum	<0.0010	0	<0.0010	0.0022	0.002	0	0.0088	0	0	0	0.0022	0.0023	0.0088
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0.0005	0.0022	0.002	0	0.00715	0	0	0	0.0022	0.00225	0.00715
Total Barium	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Barium	MG/L	Maximum	0.52	0	0.23	0.058	0.071	0	0.25	0	0	0	0.044	0.051	0.52
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.52	0	0.23	0.058	0.071	0	0.24	0	0	0	0.044	0.0465	0.52
Total Boron	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Boron	MG/L	Maximum	0.11	0	0.09	0.14	0.3	0	0.1	0	0	0	0.25	0.32	0.32
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.11	0	0.09	0.14	0.3	0	0.088	0	0	0	0.25	0.295	0.3
BOD	MG/L	# of Samples	1	0	1	2	1	0	1	0	0	0	1	1	8
BOD	MG/L	Maximum	9.7	0	52	3.3	7.6	0	<10	0	0	0	<20	<90	52
BOD	MG/L	Exceedance(>20)	0	0	1	0	0	0	0	0	0	0	0	1	2
BOD	MG/L	Monthly Average	9.7	0	52	3.3	7.6	0	5	0	0	0	10	45	52
BOD, Carbonaceous	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
BOD, Carbonaceous	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<25	<25
BOD, Carbonaceous	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	1	1
BOD, Carbonaceous	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	12.5	12.5
Cyanide (SAD)	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	2	3
Cyanide (SAD)	MG/L	Maximum	0	0	0	0	<0.0050	0	0	0	0	0	0	0.007	0.007
Cyanide (SAD)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0	0	0.0065	0.0065
Total Cadmium	UG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Cadmium	UG/L	Maximum	0.026	0	0.07	0.083	0.032	0	0.029	0	0	0	0.21	0.13	0.21
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.026	0	0.07	0.083	0.032	0	0.029	0	0	0	0.21	0.114	0.21
Total Chromium	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Chromium	MG/L	Maximum	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	0	0	0	<0.0010	0.001	0.001
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0	0	0	0.0005	0.00075	0.00075

TABLE 63 CONTINUED: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Copper	MG/L	Maximum	0.015	0	0.027	0.043	0.013	0	0.0081	0	0	0	0.031	0.021	0.043
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.015	0	0.027	0.043	0.013	0	0.00755	0	0	0	0.031	0.02	0.043
Total Iron	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Iron	MG/L	Maximum	0.19	0	0.32	0.09	0.72	0	0.33	0	0	0	0.098	0.25	0.72
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.19	0	0.32	0.09	0.72	0	0.29	0	0	0	0.098	0.185	0.72
Total Mercury	UG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	1	9
Total Mercury	UG/L	Maximum	<0.013	0	<0.013	<0.013	<0.013	0	<0.013	0	0	0	<0.013	<0.013	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0	0.0065	0.0065	0.0065	0	0.0065	0	0	0	0.0065	0.0065	0.0065
Total Nickel	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Nickel	MG/L	Maximum	0.032	0	0.021	0.046	0.13	0	0.071	0	0	0	0.05	0.054	0.13
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.032	0	0.021	0.046	0.13	0	0.059	0	0	0	0.05	0.0515	0.13
Total Ammonia	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Ammonia	MG/L	Maximum	0.38	0	<0.050	0.16	0.23	0	1.2	0	0	0	0.26	0.56	1.2
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.38	0	0.025	0.16	0.23	0	0.905	0	0	0	0.26	0.445	0.905
Nitrate	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Nitrate	MG/L	Maximum	3.9	0	13	39	0.13	0	3.2	0	0	0	43	47	47
Nitrate	MG/L	Exceedance(>10)	0	0	1	2	0	0	0	0	0	0	1	2	6
Nitrate	MG/L	Monthly Average	3.9	0	13	39	0.13	0	2.75	0	0	0	43	35.5	43
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	2	3
Orthophosphate	MG/L	Maximum	0	0	0	0	0.2	0	0	0	0	0	0	17	17
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	2	2
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.2	0	0	0	0	0	0	16	16
Total Lead	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Lead	MG/L	Maximum	<0.00050	0	<0.00050	<0.00050	<0.00050	0	<0.00050	0	0	0	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0.00025	0.00025	0.00025	0	0.00025	0	0	0	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
pH	PH UNITS	Maximum	7.78	0	7.91	7.32	7.84	0	7.42	0	0	0	7.04	7.41	7.91
pH	PH UNITS	Minimum	7.78	0	7.91	7.32	7.84	0	7.28	0	0	0	7.04	6.65	6.65
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 63 CONTINUED: Pardy's Waste Management (Incinerator Road) 2023 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Phenolics	MG/L	Maximum	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	0	0	0	0.0015	0.0015	0.0015
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0	0	0	0.0015	0.001	0.0015
Total Phosphates as P2O5	MG/L	# of Samples	1	0	1	2	0	0	2	0	0	0	1	0	7
Total Phosphates as P2O5	MG/L	Maximum	1.4	0	4	5.3	0	0	35	0	0	0	33	0	35
Total Phosphates as P2O5	MG/L	Exceedance(>1)	1	0	1	2	0	0	2	0	0	0	1	0	7
Total Phosphates as P2O5	MG/L	Monthly Average	1.4	0	4	5.3	0	0	27.5	0	0	0	33	0	33
Total Selenium	UG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Selenium	UG/L	Maximum	<0.50	0	0.60	<0.50	<0.50	0	<0.50	0	0	0	0.50	<0.50	0.60
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.25	0	0.60	0.25	0.25	0	0.25	0	0	0	0.50	0.25	0.60
Sulphide	MG/L	# of Samples	0	0	0	2	1	0	0	0	0	0	0	2	5
Sulphide	MG/L	Maximum	0	0	0	<0.020	0.062	0	0	0	0	0	0	0.082	0.082
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.01	0.062	0	0	0	0	0	0	0.0695	0.0695
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	2	3
Calculated TDS	MG/L	Maximum	0	0	0	0	1100	0	0	0	0	0	0	1300	1300
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	1	0	0	0	0	0	0	1	2
Calculated TDS	MG/L	Monthly Average	0	0	0	0	1100	0	0	0	0	0	0	1150	1150
TDS Measured	MG/L	# of Samples	1	0	1	2	0	0	2	0	0	0	1	0	7
TDS Measured	MG/L	Maximum	880	0	950	1200	0	0	980	0	0	0	1200	0	1200
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	2	0	0	0	0	0	0	1	0	3
TDS Measured	MG/L	Monthly Average	880	0	950	1200	0	0	945	0	0	0	1200	0	1200
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
TPH (Atlantic PIRI)	MG/L	Maximum	<0.090	0	<0.090	<0.090	<0.090	0	<0.090	0	0	0	<0.090	<0.090	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0	0.045	0.045	0.045	0	0.045	0	0	0	0.045	0.045	0.045
TSS	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
TSS	MG/L	Maximum	16	0	37	2.8	11	0	12	0	0	0	8.6	9.6	37
TSS	MG/L	Exceedance(>30)	0	0	1	0	0	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	16	0	37	2.8	11	0	11	0	0	0	8.6	8.6	37
Total Zinc	MG/L	# of Samples	1	0	1	2	1	0	2	0	0	0	1	2	10
Total Zinc	MG/L	Maximum	0.043	0	0.059	0.08	0.061	0	0.017	0	0	0	0.051	0.056	0.08
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.043	0	0.059	0.08	0.061	0	0.016	0	0	0	0.051	0.0455	0.08

TABLE 64: Pardy's Waste Management (Donovan's Industrial Park) 2023 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Boron	MG/L	Maximum	1.50	1.40	0.85	0.58	1.30	1.30	1.5	2.70	2.40	1.5	2.1	2.10	2.70
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	1.40	1.14	0.75	0.57	1.05	1.27	1.45	2.28	1.90	1.47	1.56	2.05	2.28
BOD	MG/L	# of Samples	5	6	5	2	3	3	3	4	4	3	5	2	45
BOD	MG/L	Maximum	16.0	15.0	17.0	36	14	7.5	<60	79	<50	46	37	<90	79.0
BOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	9.8	6.1	7.9	20.1	9.0	5.2	12.6	24.6	18.7	31.2	23.4	28.8	31.2
Cyanide (SAD)	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Cyanide (SAD)	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0057	<0.0050	0.0057
Cyanide (SAD)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0031	0.0025	0.0031
Total Cadmium	UG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Cadmium	UG/L	Maximum	0.011	0.015	0.015	<0.010	0.010	<0.010	<0.010	<0.010	0.017	<0.010	0.140	<0.010	0.140
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.008	0.011	0.007	0.005	0.008	0.005	0.005	0.005	0.012	0.005	0.042	0.005	0.042
Total Chromium	MG/L	# of Samples	4	4	4	1	2	1	1	3	1	1	3	1	26
Total Chromium	MG/L	Maximum	0.0014	0.0014	0.0012	<0.0010	0.0015	0.0013	0.0014	0.0022	0.002	0.0016	0.0018	0.0017	0.0022
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0013	0.0009	0.0007	0.0005	0.0015	0.0013	0.0014	0.0021	0.0020	0.0016	0.0012	0.0017	0.0021
Total Hexavalent Chromium	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	4	2	45
Total Hexavalent Chromium	MG/L	Maximum	<0.00099	<0.00099	<0.0050	<0.00099	<0.00099	<0.00099	<0.0050	0.0058	0.0022	0.0033	0.01	<0.025	<0.025
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0.00050	0.00050	0.00122	0.00050	0.00050	0.00050	0.00100	0.00182	0.00092	0.00210	0.00528	0.00840	0.00840
Total Copper	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Copper	MG/L	Maximum	0.03	0.04	0.054	0.019	0.042	0.04	0.077	0.055	0.093	0.037	0.094	0.035	0.094
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.023	0.027	0.036	0.016	0.031	0.018	0.040	0.043	0.072	0.027	0.047	0.030	0.072
Total Iron	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Iron	MG/L	Maximum	<0.050	0.062	<0.050	<0.050	0.059	0.087	0.059	<0.050	0.057	<0.050	<0.50	<0.050	<0.50
Total Iron	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.025	0.031	0.025	0.025	0.046	0.046	0.034	0.025	0.041	0.025	0.083	0.025	0.083
Total Mercury	UG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	0.018	0.018
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.012	0.012

TABLE 64 CONTINUED: Pardy's Waste Management (Donovan's Industrial Park) 2023 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Nickel	MG/L	Maximum	0.025	0.024	0.016	0.01	0.021	0.021	0.026	0.043	0.042	0.025	0.033	0.035	0.043
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0242	0.0202	0.0138	0.0100	0.0170	0.0203	0.0250	0.0355	0.0325	0.0247	0.0304	0.0340	0.0355
Total Lead	UG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Lead	UG/L	Maximum	<0.50	3.20	1.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	3.20
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.74	0.50	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.70	0.25	0.74
pH	PH UNITS	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
pH	PH UNITS	Maximum	8.00	7.78	8.11	7.72	7.82	7.84	8.06	7.96	7.88	7.63	7.9	7.89	8.11
pH	PH UNITS	Minimum	7.50	7.49	7.37	7.6	7.65	7.72	7.48	7.56	7.68	7.39	6.48	7.83	6.48
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Phenolics	MG/L	Maximum	0.0019	<0.0010	0.0023	<0.0010	0.0048	0.005	0.0059	0.0078	0.0094	0.0044	0.0037	0.0028	0.0094
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0008	0.0005	0.0011	0.0005	0.0034	0.0047	0.0034	0.0056	0.0061	0.0029	0.0027	0.0027	0.0061
Total Phosphates as P2O5	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Phosphates as P2O5	MG/L	Maximum	3.20	2.90	2.10	1.5	2.80	2.80	3.2	5.30	5.60	3.5	12	4.20	12.00
Total Phosphates as P2O5	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Phosphates as P2O5	MG/L	Monthly Average	3.10	2.42	1.84	1.40	2.33	2.73	2.93	4.55	4.53	3.27	5.66	4.20	5.66
TPH (Atlantic PIRI)	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
TPH (Atlantic PIRI)	MG/L	Maximum	0.220	0.25	0.33	<0.090	0.59	0.59	0.64	0.740	4.7	1.1	1.2	0.460	4.700
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.163	0.175	0.178	0.045	0.345	0.310	0.393	0.540	2.360	0.73	0.555	0.440	2.360
TSS	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
TSS	MG/L	Maximum	8	5.6	5.2	2.8	3.2	3.4	3.2	2.6	6.4	5	7.4	2.6	8
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	4.2	2.8	3.6	1.7	2.2	2.5	1.9	1.7	4.4	4.1	4.2	2.4	4.4
Total Zinc	MG/L	# of Samples	5	6	5	2	3	3	4	4	4	3	5	2	46
Total Zinc	MG/L	Maximum	0.024	0.013	0.0095	0.0081	0.012	0.008	0.0093	0.0077	0.037	0.025	0.057	0.024	0.057
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0222	0.0113	0.0082	0.0076	0.0087	0.0073	0.0081	0.0055	0.0348	0.0223	0.0304	0.0225	0.0348

TABLE 65: Point Rouse 2023 Argyle (FDP)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0.0028	0	0	0	0	0	0	0	0	0	0	0	0.0028
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0028	0	0	0	0	0	0	0	0	0	0	0	0.0028
Cyanide (SAD)	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Cyanide (SAD)	MG/L	Maximum	0.084	0	0	0	0	0	0	0	0	0	0	0	0.084
Cyanide (SAD)	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.084	0	0	0	0	0	0	0	0	0	0	0	0.084
Total Copper	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0.0054	0	0	0	0	0	0	0	0	0	0	0	0.0054
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0054	0	0	0	0	0	0	0	0	0	0	0	0.0054
Total Nickel	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0.0007	0	0	0	0	0	0	0	0	0	0	0	0.0007
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0007	0	0	0	0	0	0	0	0	0	0	0	0.0007
Total Lead	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	<0.00009	0	0	0	0	0	0	0	0	0	0	0	<0.00009
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.000045	0	0	0	0	0	0	0	0	0	0	0	0.000045
pH	PH UNITS	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	7.75	0	0	0	0	0	0	0	0	0	0	0	7.75
pH	PH UNITS	Minimum	7.75	0	0	0	0	0	0	0	0	0	0	0	7.75
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 65 CONTINUED: Point Rousse 2023 Argyle (FDP)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	<0.005	0	0	0	0	0	0	0	0	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0	0	0	0	0	0	0	0	0	0	0	0.0025
TSS	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
TSS	MG/L	Maximum	2	0	0	0	0	0	0	0	0	0	0	0	2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2	0	0	0	0	0	0	0	0	0	0	0	2
Total Zinc	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	<0.002	0	0	0	0	0	0	0	0	0	0	0	<0.002
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.001	0	0	0	0	0	0	0	0	0	0	0	0.001

TABLE 66: Point Rousse 2023 Polishing Pond (FDP)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	0.0018	<0.0010	<0.0010	0	0.0018
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0005	0.0005	0.0005	0.0005	0.0008	0.0005	0.0005	0	0.0008
Cyanide (SAD)	MG/L	# of Samples	0	0	0	0	1	1	1	3	5	5	3	0	19
Cyanide (SAD)	MG/L	Maximum	0	0	0	0	0.007	0.088	0.012	0.066	0.018	0.039	0.09	0	0.090
Cyanide (SAD)	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0	0	0	0	0.007	0.088	0.012	0.039	0.013	0.013	0.0786667	0	0.088

TABLE 66 CONTINUED: Point Rousse 2023 Polishing Pond (FDP)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
Total Copper	MG/L	Maximum	0	0	0	0	0.059	0.027	0.015	0.020	0.012	0.014	0.00871	0	0.059
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.059	0.027	0.015	0.014	0.010	0.009	0.0083867	0	0.059
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.167	0	0	0.167
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.167	0	0	0.167
Total Nickel	MG/L	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	0.0023	<0.0020	<0.0020	<0.0020	0	0.0023
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0010	0.0010	0.0010	0.0013	0.0010	0.0010	0.001	0	0.0013
Total Lead	MG/L	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
Total Lead	MG/L	Maximum	0	0	0	0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
pH	PH UNITS	Maximum	0	0	0	0	8.19	8.08	8.17	8.27	8.26	8.2	8.13	0	8.27
pH	PH UNITS	Minimum	0	0	0	0	8.19	8.08	8.17	8.08	8	8.06	8.04	0	8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	1	1	1	5	5	3	0	17
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0.0050	0.005	0.005	0.005	0.005	0.005	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	1	3	1	4	5	5	3	0	22
TSS	MG/L	Maximum	0	0	0	0	<1.0	1.2	1.0	1.2	4.2	3.2	2.6	0	4.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.5	1.1	1.0	1.2	1.5	1.7	2.2	0	2.2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	1	1	4	5	5	3	0	20
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	<0.0050	0.0061	<0.0050	0.0643	0.0061	0	0.0643
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0.0025	0.0025	0.0034	0.0025	0.0149	0.0037	0	0.0149

TABLE 67: Rambler Metals and Mining 2023 No. 2 Polishing Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	2	1	1	1	2	0	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	2	1	1	1	1	0	1	1	1	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	2	1	1	1	1	2	1	0	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	2	1	1	1	1	2	1	0	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Total Arsenic	MG/L	Maximum	0.00120	0.00130	0.00090	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.05500	<0.002	0.05500
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00088	0.00080	0.00060	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.001	0.01900	0.00100	0.01900
Cyanide (SAD)	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Cyanide (SAD)	MG/L	Maximum	<0.002	<0.002	<0.002	<0.002	0.004	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004
Cyanide (SAD)	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Total Copper	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Total Copper	MG/L	Maximum	0.0150	0.0143	0.0261	0.0540	0.0290	0.0490	0.0590	0.0370	0.0240	0.045	0.0850	0.1070	0.1070
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0142	0.0114	0.0161	0.0410	0.0240	0.0273	0.0560	0.0370	0.0240	0.0348	0.0565	0.0943	0.0943
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	9	6	3	2	1	2	5	3	4	35
Un-ionized Ammonia	MG/L	Maximum	0	0	0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Total Nickel	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Total Nickel	MG/L	Maximum	0.00120	0.00130	0.00140	<0.002	<0.002	<0.002	<0.009	<0.002	<0.002	<0.009	0.00400	0.00400	<0.009
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00112	0.00110	0.00102	0.00100	0.00100	0.00100	0.00325	0.00100	0.00100	0.0021	0.00333	0.00325	0.00333
Total Lead	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Total Lead	MG/L	Maximum	0.00060	0.00058	0.00069	0.00090	0.00100	0.00240	0.00250	0.00080	0.00170	0.002	0.00290	0.00320	0.00320
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00052	0.00038	0.00043	0.00073	0.00062	0.00097	0.00210	0.00080	0.00135	0.0012	0.00192	0.00283	0.00283

TABLE 67 CONTINUED: Rambler Metals and Mining 2023 No. 2 Polishing Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	4	5	10	12	3	2	1	2	5	3	4	56
pH	PH UNITS	Maximum	7.37	7.11	7.32	6.91	7.04	7.15	6.53	6.68	7.16	7.58	7.14	7.32	7.58
pH	PH UNITS	Minimum	6.62	6.80	7.06	6.38	6.30	7.00	6.40	6.68	7.09	6.23	6.64	6.05	6.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Radium-226	BQ/L	Maximum	<0.005	<0.005	<0.005	0.005	<0.005	0.006	<0.005	0.006	0.005	<0.005	<0.005	0.005	0.006
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.006	0.004	0.0025	0.003	0.003	0.006
TSS	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
TSS	MG/L	Maximum	<1	<1	2.0	2.0	<2	<2	2.0	<2	<2	<2	<2	<2	2.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0.5	1.0	1.6	1.0	1.0	1.5	1.0	1.0	1	1.0	1.0	1.6
Total Zinc	MG/L	# of Samples	5	4	5	9	6	3	2	1	2	5	3	4	49
Total Zinc	MG/L	Maximum	0.032	0.033	0.055	0.077	0.066	0.084	0.118	0.066	0.053	0.142	0.124	0.156	0.156
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.030	0.024	0.030	0.066	0.040	0.045	0.113	0.066	0.052	0.082	0.086	0.134	0.134

TABLE 68: Rambler Metals and Mining 2023 Treated Mine Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	2	1	0	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	0	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	0	2	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	0	2	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Total Arsenic	MG/L	Maximum	0.0010	0.0009	0.0012	<0.002	<0.002	0.0040	0.0040	0.0030	<0.002	<0.002	<0.002	<0.002	0.0040
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0009	0.0008	0.0006	0.0010	0.0010	0.0025	0.0030	0.0018	0.0010	0.0010	0.0010	0.0010	0.0030
Cyanide (SAD)	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Cyanide (SAD)	MG/L	Maximum	<0.002	<0.002	<0.002	<0.002	<0.002	0.0050	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0050
Cyanide (SAD)	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (SAD)	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0010	0.0020	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0020

TABLE 68 CONTINUED: Rambler Metals and Mining 2023 Treated Mine Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Total Copper	MG/L	Maximum	0.0576	0.0337	0.0306	0.0360	0.0270	0.0280	0.0400	0.0570	0.0530	0.0380	0.0390	0.0520	0.0576
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0301	0.0228	0.0136	0.0155	0.0251	0.0250	0.0395	0.0416	0.0366	0.0250	0.0187	0.0242	0.0416
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	8	7	4	4	5	5	5	3	5	46
Un-ionized Ammonia	MG/L	Maximum	0	0	0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Total Nickel	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Total Nickel	MG/L	Maximum	0.0009	0.0029	0.0028	<0.002	0.0030	0.0030	<0.009	0.0040	0.0030	<0.009	0.0030	0.0020	<0.009
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0007	0.0021	0.0012	0.0010	0.0016	0.0018	0.0026	0.0028	0.0018	0.0029	0.0017	0.0012	0.0029
Total Lead	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Total Lead	MG/L	Maximum	0.00016	0.00017	0.00021	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	0.0034	0.0053	<0.0005	0.0059	0.0059
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0001	0.000118	0.0001079	0.00025	0.00025	0.00025	0.00025	0.0022	0.00188	0.00126	0.00025	0.00161	0.0022
pH	PH UNITS	# of Samples	5	5	5	8	14	4	4	5	5	6	3	5	69
pH	PH UNITS	Maximum	7.25	6.95	8.09	7.45	7.82	7.47	7.54	7.63	7.59	7.70	6.90	7.19	8.09
pH	PH UNITS	Minimum	6.97	6.73	6.67	6.94	6.79	6.89	6.97	7.30	6.82	6.20	6.32	6.43	6.20
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Radium-226	BQ/L	Maximum	0.005	<0.005	0.016	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.009	0.030	0.030
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.003	0.003	0.009	0.005	0.006	0.011	0.009	0.013	0.009	0.007	0.005	0.008	0.013
TSS	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
TSS	MG/L	Maximum	<1	<1	<1	2.0	2.0	3.0	2.0	<2	<2	<2	<2	<2	3.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0.5	0.5	1.3	1.3	2.0	1.3	1.0	1.0	1.0	1.0	1.0	2.0
Total Zinc	MG/L	# of Samples	5	5	5	8	7	4	4	5	5	5	3	5	61
Total Zinc	MG/L	Maximum	0.073	0.385	0.390	0.184	0.192	0.252	0.346	0.447	0.344	0.366	0.397	0.173	0.447
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.044	0.236	0.162	0.093	0.182	0.205	0.303	0.330	0.252	0.211	0.187	0.157	0.330

TABLE 69: Tacora Resources (Wabush) 2023 East Pit 2 Dewatering (Sylvio Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Arsenic	MG/L	Maximum	<0.0010	0	0	<0.0010	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0005	0	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Copper	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	<0.0005
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
Un-ionized Ammonia	MG/L	Maximum	<0.0004	0.0010	<0.0004	0.0013	<0.0004	<0.0006	<0.0016	<0.0005	<0.0009	<0.0005	<0.0007	<0.0004	0.0013
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0002	0.0004	0.0002	0.0005	0.0002	0.0003	0.0004	0.0002	0.0004	0.0002	0.0002	0.0002	0.0005
Total Nickel	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Nickel	MG/L	Maximum	<0.0020	0	0	<0.0020	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.001	0	0.001	0.001	0.001	0.001	0.001	0	0	0.001
Total Lead	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Lead	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	<0.0005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
pH	PH UNITS	Maximum	7.57	7.58	7.68	7.51	7.58	7.62	7.86	7.64	7.61	7.50	7.45	7.62	7.86
pH	PH UNITS	Minimum	7.33	7.24	7.28	7.25	7.20	7.48	7.44	7.47	7.46	7.37	7.30	7.24	7.20
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 69 CONTINUED: Tacora Resources (Wabush) 2023 East Pit 2 Dewatering (Sylvio Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	1	0	0	1	0	1	1	1	1	1	0	0	7
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0	0.005	0.005	0.005	0.005	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
TSS	MG/L	Maximum	0.8	<0.65	<0.50	16.0	2.4	1.1	2.9	2.2	0.9	2.3	1.8	1.4	16.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0.3	0.3	5.5	1.5	0.8	1.1	1.1	0.6	1.3	0.6	0.9	5.5
Total Zinc	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Zinc	MG/L	Maximum	<0.0050	0	0	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0	0	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.0025	0	0.0025	0.0025	0.0025	0.0025	0.0025	0	0	0.0025

TABLE 70: Tacora Resources (Wabush) 2023 Flora Lake Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	2	0	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	1	0	1	2	2	1	1	0	0	9
Total Arsenic	MG/L	Maximum	<0.0010	0	0	<0.0010	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0005	0	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	1	0	0	1	0	1	2	2	1	1	0	0	9
Total Copper	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	0.0010	<0.0005	<0.0005	<0.0005	0	0	0.0010
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0006	0.0003	0.0003	0.0003	0	0	0.0006

TABLE 70 CONTINUED: Tacora Resources (Wabush) 2023 Flora Lake Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
Un-ionized Ammonia	MG/L	Maximum	<0.0004	<0.0004	<0.0004	0.0005	<0.0005	<0.0013	<0.0023	<0.0009	<0.0027	<0.0015	<0.0005	<0.0004	<0.0027
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0002	0.0002	0.0002	0.0003	0.0002	0.0004	0.0007	0.0003	0.0006	0.0005	0.0002	0.0002	0.0007
Total Nickel	MG/L	# of Samples	1	0	0	1	0	1	2	2	1	1	0	0	9
Total Nickel	MG/L	Maximum	<0.0020	0	0	<0.0020	0	<0.0020	<0.0020	0.0083	<0.0020	<0.0020	0	0	0.0083
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.001	0	0.001	0.001	0.00465	0.001	0.001	0	0	0.00465
Total Lead	MG/L	# of Samples	1	0	0	1	0	1	2	2	1	1	0	0	9
Total Lead	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	<0.0005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
pH	PH UNITS	Maximum	7.77	7.73	7.83	7.74	7.78	7.89	7.78	7.78	7.75	7.72	7.69	7.78	7.89
pH	PH UNITS	Minimum	7.56	7.54	7.54	7.36	7.20	7.62	7.65	7.66	7.69	7.64	7.55	7.59	7.20
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	0	1	0	1	2	1	1	1	0	0	8
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0	0.005	0.005	0.005	0.005	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
TSS	MG/L	Maximum	2.5	1.8	4.2	2.7	10.0	6.9	1.6	0.8	2.4	2.2	1.1	0.8	10.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.9	1.7	2.5	2.0	7.6	4.2	0.9	0.6	1.2	1.4	1.0	0.6	7.6
Total Zinc	MG/L	# of Samples	1	0	0	1	0	1	2	2	1	1	0	0	9
Total Zinc	MG/L	Maximum	<0.0050	0	0	<0.0050	0	<0.0050	0.0079	<0.0050	<0.0050	<0.0050	0	0	0.0079
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.0025	0	0.0025	0.0052	0.0025	0.0025	0.0025	0	0	0.0052

TABLE 71: Tacora Resources (Wabush) 2023 Knoll Lake Discharge (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	0	0	0	0	1	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	0	0	0	0	1	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0.0013	0	0	0	0	0	0.0017	0.0017
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0.0013	0	0	0	0	0	0.0017	0.0017
Total Copper	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Copper	MG/L	Maximum	0	0	0	0	0	0.0041	0	0	0	0	0	0.0008	0.0041
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0.0041	0	0	0	0	0	0.0008	0.0041
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0	0.0017	0	0	0	0	0	<0.0004	0.0017
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.0017	0	0	0	0	0	0.0002	0.0017
Total Nickel	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Nickel	MG/L	Maximum	0	0	0	0	0	0.0043	0	0	0	0	0	<0.0020	0.0043
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0.0043	0	0	0	0	0	0.0010	0.0043
Total Lead	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Lead	MG/L	Maximum	0	0	0	0	0	0.0016	0	0	0	0	0	<0.0005	0.0016
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0.0016	0	0	0	0	0	0.0003	0.0016
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.6	0	0	0	0	0	7.52	7.6
pH	PH UNITS	Minimum	0	0	0	0	0	7.6	0	0	0	0	0	7.52	7.52
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 71 CONTINUED: Tacora Resources (Wabush) 2023 Knoll Lake Discharge (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.010	0	0	0	0	0	0.055	0.055
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0.005	0	0	0	0	0	0.055	0.055
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
TSS	MG/L	Maximum	0	0	0	0	0	110	0	0	0	0	0	16.0	110.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	0	110	0	0	0	0	0	16.0	110.0
Total Zinc	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	0.019	0	0	0	0	0	0.0084	0.0190
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0.019	0	0	0	0	0	0.0084	0.019

TABLE 72: Tacora Resources (Wabush) 2023 Tailings Line Emergency Dump Basin (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	2	0	0	1	2	0	1	0	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	2	0	0	1	2	0	1	0	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	2	0	0	1	2	0	1	0	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	2	0	0	1	2	0	1	0	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Total Arsenic	MG/L	Maximum	<0.0010	0	0	0.0011	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	0.0011
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0008	0	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0.0008
Total Copper	MG/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Total Copper	MG/L	Maximum	<0.0005	0	0	0.0052	0	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0	0	0.0052
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0	0	0.0038	0	0.0004	0.0003	0.0003	0.0003	0.0003	0	0	0.0038

TABLE 72 CONTINUED: Tacora Resources (Wabush) 2023 Tailings Line Emergency Dump Basin (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Un-ionized Ammonia	MG/L	# of Samples	5	0	2	5	6	4	5	7	5	8	6	4	57
Un-ionized Ammonia	MG/L	Maximum	0.0006	0	0.0014	0.0015	0.0012	0.0040	0.0016	0.0012	0.0022	0.0011	0.0009	0.0007	0.0040
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00028	0	0.0010	0.0006	0.0009	0.0017	0.0012	0.0007	0.0009	0.0008	0.0006	0.0006	0.0017
Total Nickel	MG/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Total Nickel	MG/L	Maximum	<0.0020	0	0	0.006	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	0.006
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.0044	0	0.001	0.001	0.001	0.001	0.001	0	0	0.0044
Total Lead	MG/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Total Lead	MG/L	Maximum	<0.0005	0	0	0.0010	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	0.0010
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0	0	0.0006	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0006
pH	PH UNITS	# of Samples	5	0	2	5	6	4	5	7	5	8	6	4	57
pH	PH UNITS	Maximum	7.62	0	7.46	7.76	7.68	7.59	7.60	7.70	7.71	7.80	7.59	7.65	7.80
pH	PH UNITS	Minimum	7.41	0	7.41	7.32	6.96	7.39	7.46	7.47	7.39	7.58	7.10	7.40	6.96
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0	0.005	0.005	0.005	0.005	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	0	2	15	6	6	5	8	5	8	6	4	70
TSS	MG/L	Maximum	14	0	5.3	57.0	12.0	36.0	27.0	3.7	6.2	6.4	18.0	6.2	57.0
TSS	MG/L	Exceedance(>30)	0	0	0	10	0	2	0	0	0	0	0	0	12
TSS	MG/L	Monthly Average	7.4	0	5.0	34.3	9.8	15.4	6.7	2.5	3.5	3.8	8.5	4.4	34.3
Total Zinc	MG/L	# of Samples	1	0	0	2	0	2	1	1	1	1	0	0	9
Total Zinc	MG/L	Maximum	<0.0050	0	0	0.0170	0	0.0063	<0.0050	<0.0050	<0.0050	<0.0050	0	0	0.0170
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.0140	0	0.0044	0.0025	0.0025	0.0025	0.0025	0	0	0.0140

TABLE 73: Tacora Resources (Wabush) 2023 West Pit Dewatering (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	3	0	1	0	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	3	0	1	0	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	3	0	1	0	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	3	0	1	0	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Arsenic	MG/L	Maximum	<0.0010	0	0	<0.0010	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0005	0	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Copper	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	<0.0005
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
Un-ionized Ammonia	MG/L	Maximum	<0.0004	<0.0004	<0.0004	<0.0004	<0.0005	0.0007	0.0011	0.0006	<0.0021	<0.0009	<0.0004	<0.0004	0.0011
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0005	0.0003	0.0005	0.0003	0.0002	0.0002	0.0005
Total Nickel	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Nickel	MG/L	Maximum	<0.0020	0	0	<0.0020	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0	0	0.0010	0	0.0010	0.0010	0.0010	0.001	0.0010	0	0	0.0010
Total Lead	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Lead	MG/L	Maximum	<0.0005	0	0	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0	<0.0005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0	0	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
pH	PH UNITS	Maximum	7.78	7.76	7.79	7.71	7.77	7.88	7.76	7.75	7.95	7.79	7.74	7.83	7.95
pH	PH UNITS	Minimum	7.55	7.61	7.60	7.57	7.34	7.71	7.43	7.64	7.69	7.61	7.62	7.65	7.34
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 73 CONTINUED: Tacora Resources (Wabush) 2023 West Pit Dewatering (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	1	0	0	1	0	1	1	1	1	1	0	0	7
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0	0.005	0.005	0.005	0.005	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	5	4	5	5	4	5	4	4	53
TSS	MG/L	Maximum	1.0	<0.50	0.7	0.9	0.9	1.4	1.6	1.6	6.1	1.7	1.0	0.5	6.1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0.3	0.4	0.4	0.6	1.1	0.9	0.6	1.8	0.9	0.4	0.3	1.8
Total Zinc	MG/L	# of Samples	1	0	0	1	0	1	1	2	1	1	0	0	8
Total Zinc	MG/L	Maximum	<0.0050	0.0000	0	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0	0	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.0025	0	0.0025	0.0025	0.0025	0.0025	0.0025	0	0	0.0025

TABLE 74: Tata Steel Minerals Canada Limited 2023 COASW11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	1.4	0	0	0	0	0	0	0	1.4
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	1.3	0	0	0	0	0	0	0	1.3

TABLE 74 CONTINUED: Tata Steel Minerals Canada Limited 2023 COASW11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	8.11	0	0	0	0	0	0	0	8.11
pH	PH UNITS	Minimum	0	0	0	0	6.91	0	0	0	0	0	0	0	6.91
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	0	0	0	0	0.007	0	0	0	0	0	0	0	0.007
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.00475	0	0	0	0	0	0	0	0.00475
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	40	0	0	0	0	0	0	0	40
TSS	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	25.5	0	0	0	0	0	0	0	25.5
Total Zinc	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	87	0	0	0	0	0	0	0	87
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	55	0	0	0	0	0	0	0	55

TABLE 75: Teck Resources (Millertown) 2023 Dam C

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	0	1	1	1	0	0	0	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	0	1	1	1	0	0	0	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	0	1	1	1	0	0	0	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	0	1	1	1	0	0	0	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Arsenic	MG/L	Maximum	0.0005	0.0004	0.0005	0.0004	0.0004	0.0126	0.0007	0.0008	0	0	0	0.0016	0.0126
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0004	0.0004	0.0005	0.0004	0.0004	0.0035	0.0006	0.0007	0	0	0	0.0012	0.0035
Total Cyanide	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Cyanide	MG/L	Maximum	<0.005	<0.01	<0.01	<0.005	<0.005	<0.01	<0.005	<0.01	0	0	0	<0.01	<0.01
Total Cyanide	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	MG/L	Monthly Average	0.0025	0.0030	0.0031	0.0025	0.0025	0.0031	0.0025	0.0038	0	0	0	0.0031	0.0038
Total Copper	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Copper	MG/L	Maximum	0.0303	0.0271	0.0287	0.0283	0.0250	0.0224	0.0183	0.0153	0	0	0	0.0220	0.0303
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0239	0.0235	0.0212	0.0202	0.0197	0.0166	0.0159	0.0128	0	0	0	0.0196	0.0239
Un-ionized Ammonia	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Un-ionized Ammonia	MG/L	Maximum	<0.001	0.0070	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0	0	0	<0.001	0.0070
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0005	0.0042	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0	0.0005	0.0042
Total Nickel	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Nickel	MG/L	Maximum	0.0041	0.0034	0.0033	0.0046	0.0023	0.0048	0.0029	0.0012	0	0	0	0.0022	0.0048
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0027	0.0031	0.0031	0.0032	0.0020	0.0031	0.0023	0.0012	0	0	0	0.0021	0.0032
Total Lead	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Lead	MG/L	Maximum	0.0008	0.0005	0.0006	0.0010	0.0016	0.0026	0.0019	0.0013	0	0	0	0.0029	0.0029
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0005	0.0004	0.0004	0.0005	0.0010	0.0019	0.0012	0.0010	0	0	0	0.0021	0.0021

TABLE 75 CONTINUED: Teck Resources (Millertown) 2023 Dam C

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
pH	PH UNITS	Maximum	7.29	8.16	7.68	7.45	7.42	7.57	7.49	7.58	0	0	0	7.34	8.16
pH	PH UNITS	Minimum	6.60	7.52	7.46	6.98	7.33	7.35	7.32	7.50	0	0	0	6.83	6.60
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	1	1	1	1	1	1	1	0	0	0	2	11
Radium-226	BQ/L	Maximum	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	0	0	0	<0.005	0.008
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0025	0.008	0.0025	0.0025	0.0025	0.0025	0.0025	0	0	0	0.0025	0.008
TSS	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
TSS	MG/L	Maximum	2.0	2.0	7.0	3.0	3.0	4.0	3.0	2.0	0	0	0	7.0	7.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.2	1.2	3.5	2.0	1.8	2.5	2.0	2.0	0	0	0	5.5	5.5
Total Zinc	MG/L	# of Samples	6	5	4	4	5	4	4	2	0	0	0	4	38
Total Zinc	MG/L	Maximum	0.512	0.419	0.369	0.433	0.255	0.208	0.256	0.124	0	0	0	0.190	0.512
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.312	0.321	0.260	0.280	0.195	0.198	0.161	0.115	0	0	0	0.131	0.321

TABLE 76: Teck Resources (Millertown) 2023 Dam A

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.0006	0.0006	0.0006
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0005	0.0005	0.0005
Total Cyanide	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Cyanide	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.01	<0.01	<0.01
Total Cyanide	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.004	0.005	0.005

TABLE 76 CONTINUED: Teck Resources (Millertown) 2023 Dam A

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.0005	0.0010	0.0010
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0004	0.0006	0.0006
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	2	4	6
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.001	<0.001	<0.001
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0005	0.0005	0.0005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.0004	0.0004	0.0004
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0004	0.0004	0.0004
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.00009	0.00015	0.00015
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.00006	0.00009	0.00009
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.65	7.52	7.65
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.41	7.26	7.26
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Radium-226	BQ/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.005	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0025	0.0025	0.0025
TSS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
TSS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	2	<2	2.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	1.5	1	1.5
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	4	4	8
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.007	0.006	0.007
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0063	0.0060	0.0063

TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	2	2	0	4	0	0	0	0	0	0	0	0	8
Total Arsenic	MG/L	Maximum	<0.0025	<0.0025	0	<0.0025	0	0	0	0	0	0	0	0	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00088	0.00113	0	0.00106	0	0	0	0	0	0	0	0	0.00113
Total Copper	MG/L	# of Samples	2	2	0	4	0	0	0	0	0	0	0	0	8
Total Copper	MG/L	Maximum	0.0047	0.006	0	0.007	0	0	0	0	0	0	0	0	0.007
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00435	0.006	0	0.00425	0	0	0	0	0	0	0	0	0.006
Un-ionized Ammonia	MG/L	# of Samples	2	1	0	3	0	0	0	0	0	0	0	0	6
Un-ionized Ammonia	MG/L	Maximum	<0.05	<0.05	0	<0.05	0	0	0	0	0	0	0	0	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0126	0.025	0	0.025	0	0	0	0	0	0	0	0	0.025
Total Nickel	MG/L	# of Samples	2	2	0	4	0	0	0	0	0	0	0	0	8
Total Nickel	MG/L	Maximum	<0.0125	<0.0125	0	0.0125	0	0	0	0	0	0	0	0	<0.0125
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00363	0.00538	0	0.00406	0	0	0	0	0	0	0	0	0.00538
Total Lead	MG/L	# of Samples	2	2	0	4	0	0	0	0	0	0	0	0	8
Total Lead	MG/L	Maximum	0.002	0.0034	0	<0.0021	0	0	0	0	0	0	0	0	0.0034
Total Lead	MG/L	Exceedance(>2.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0018	0.0034	0	0.00125	0	0	0	0	0	0	0	0	0.0034
pH	PH UNITS	# of Samples	2	1	0	4	0	0	0	0	0	0	0	0	7
pH	PH UNITS	Maximum	7.48	6.98	0	6.75	0	0	0	0	0	0	0	0	7.48
pH	PH UNITS	Minimum	7.3	6.98	0	6.36	0	0	0	0	0	0	0	0	6.36
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	2	1	0	3	0	0	0	0	0	0	0	0	6
TSS	MG/L	Maximum	2.2	7	0	3	0	0	0	0	0	0	0	0	7
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.6	7.0	0	1.7	0	0	0	0	0	0	0	0	7.0
Total Zinc	MG/L	# of Samples	2	2	0	4	0	0	0	0	0	0	0	0	8
Total Zinc	MG/L	Maximum	<0.01	0.013	0	0.046	0	0	0	0	0	0	0	0	0.046
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0051	0.0130	0	0.0261	0	0	0	0	0	0	0	0	0.0261

TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Arsenic	MG/L	Maximum	<0.001	<0.0025	<0.002	<0.0025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0011
Total Copper	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Copper	MG/L	Maximum	0.0025	0.003	0.006	0.003	<0.002	0.004	0.004	0.003	0.002	0.003	0.005	<0.002	0.006
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0025	0.003	0.006	0.003	0.001	0.004	0.004	0.003	0.002	0.003	0.005	0.001	0.006
Total Nickel	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Nickel	MG/L	Maximum	0.0065	<0.0125	0.017	0.0251	<0.009	0.009	0.011	0.015	<0.002	0.009	0.008	0.008	0.0251
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0065	0.0081	0.0170	0.0251	0.0045	0.0090	0.0110	0.0150	0.0010	0.0090	0.0080	0.0080	0.0251
Total Lead	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Lead	MG/L	Maximum	0.00058	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	0.0008	0.0008	0.0013	0.0012	<0.0021
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00058	0.00103	0.00105	0.00088	0.00105	0.00105	0.00105	0.00105	0.00080	0.00080	0.00130	0.00120	0.00130
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.32	6.89	6.92	5.97	6.09	5.94	6.04	6.96	7.14	6.77	6.38	6.67	7.14
pH	PH UNITS	Minimum	6.32	6.89	6.92	5.97	6.09	5.94	6.04	6.96	7.14	6.77	6.38	6.67	5.94
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TSS	MG/L	Maximum	<1.0	2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	2	1	1	1	1	1	1	1	1	2.5	1	2.5
Total Zinc	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Zinc	MG/L	Maximum	0.013	0.028	0.039	0.02	<0.007	0.019	0.017	0.06	<0.005	0.038	0.018	0.017	0.06
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.013	0.028	0.039	0.020	0.004	0.019	0.017	0.060	0.003	0.038	0.018	0.017	0.060

TABLE 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	1	0	0	2	1	1	1	0	0	0	0	0	6
Total Arsenic	MG/L	Maximum	<0.001	0	0	<0.0025	<0.002	<0.002	<0.002	0	0	0	0	0	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.00225	0.001	0.001	0.001	0	0	0	0	0	0.001
Total Copper	MG/L	# of Samples	1	0	0	2	1	1	1	0	0	0	0	0	6
Total Copper	MG/L	Maximum	0.00083	0	0	<0.002	0.004	<0.002	<0.002	0	0	0	0	0	0.004
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00083	0	0	0.001	0.004	0.001	0.001	0	0	0	0	0	0.004
Total Nickel	MG/L	# of Samples	1	0	0	2	1	1	1	0	0	0	0	0	6
Total Nickel	MG/L	Maximum	<0.002	0	0	<0.0125	<0.009	<0.009	<0.009	0	0	0	0	0	<0.0125
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.008625	0.0045	0.0045	0.0045	0	0	0	0	0	0.008625
Total Lead	MG/L	# of Samples	1	0	0	2	1	1	1	0	0	0	0	0	6
Total Lead	MG/L	Maximum	<0.0005	0	0	<0.005	<0.0021	<0.0021	<0.0021	0	0	0	0	0	<0.005
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0	0.001775	0.00105	0.00105	0.00105	0	0	0	0	0	0.001775
pH	PH UNITS	# of Samples	1	0	0	1	1	1	1	0	0	0	0	0	5
pH	PH UNITS	Maximum	6.75	0	0	6.64	6.65	6.06	6.26	0	0	0	0	0	6.75
pH	PH UNITS	Minimum	6.75	0	0	6.64	6.65	6.06	6.26	0	0	0	0	0	6.06
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	0	0	1	1	1	1	0	0	0	0	0	5
TSS	MG/L	Maximum	1.4	0	0	<2	<2	<2	6	0	0	0	0	0	6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.4	0	0	1	1	1	6	0	0	0	0	0	6
Total Zinc	MG/L	# of Samples	1	0	0	2	1	1	1	0	0	0	0	0	6
Total Zinc	MG/L	Maximum	<0.005	0	0	0.023	0.019	<0.007	<0.007	0	0	0	0	0	0.023
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.023	0.019	0.0035	0.0035	0	0	0	0	0	0.023

TABLE 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D3

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Arsenic	MG/L	Maximum	<0.001	<0.0025	<0.002	<0.0025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.001125	0.001	0.001125	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001125
Total Copper	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Copper	MG/L	Maximum	0.0023	0.003	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.002	0.003	<0.002	<0.002	0.004
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0023	0.003	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.003	0.001	0.001	0.004
Total Nickel	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Nickel	MG/L	Maximum	0.0022	<0.0125	<0.009	0.014	<0.009	<0.009	0.165	<0.009	<0.002	0.002	0.002	<0.002	0.165
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0022	0.005375	0.0045	0.01375	0.0045	0.0045	0.165	0.0045	0.001	0.002	0.002	0.001	0.165
Total Lead	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Lead	MG/L	Maximum	0.0013	0.0022	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0005	0.0006	0.0007	0.0007	0.0022
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0013	0.0022	0.00105	0.0007	0.00105	0.00105	0.00105	0.00105	0.00025	0.0006	0.0007	0.0007	0.0022
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	7.3	6.91	7.12	6.53	6.59	6.05	7.25	7.23	7.06	6.92	6.69	6.81	7.3
pH	PH UNITS	Minimum	7.3	6.91	7.12	6.53	6.59	6.05	7.25	7.23	7.06	6.92	6.69	6.81	6.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TSS	MG/L	Maximum	1.4	3	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	3
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.4	3	1	1	1	1	1	1	1	1	2.5	1	3
Total Zinc	MG/L	# of Samples	1	2	1	2	1	1	1	1	1	1	1	1	14
Total Zinc	MG/L	Maximum	0.0085	0.017	0.009	0.013	<0.007	<0.007	<0.007	0.019	<0.005	0.023	0.005	0.005	0.023
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0085	0.017	0.009	0.013	0.0035	0.0035	0.0035	0.019	0.0025	0.023	0.005	0.005	0.023

TABLE 81: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 D5

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	1	0	0	2	1	1	1	1	1	1	1	1	11
Total Arsenic	MG/L	Maximum	<0.001	0	0	<0.0025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.001125	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001125
Total Copper	MG/L	# of Samples	1	0	0	2	1	1	1	1	1	1	1	1	11
Total Copper	MG/L	Maximum	0.0013	0	0	<0.002	<0.002	0.003	0.002	<0.002	0.007	<0.002	<0.002	<0.002	0.007
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0013	0	0	0.001	0.001	0.003	0.002	0.001	0.007	0.001	0.001	0.001	0.007
Total Nickel	MG/L	# of Samples	1	0	0	2	1	1	1	1	1	1	1	1	11
Total Nickel	MG/L	Maximum	<0.002	0	0	<0.0125	<0.009	<0.009	<0.009	<0.009	0.025	0.005	<0.002	0.002	<0.0125
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.005375	0.0045	0.0045	0.0045	0.0045	0.025	0.005	0.001	0.002	0.005375
Total Lead	MG/L	# of Samples	1	0	0	2	1	1	1	1	1	1	1	1	11
Total Lead	MG/L	Maximum	<0.0005	0	0	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	0.001	0.0008	<0.0005	<0.0005	<0.0021
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0	0.000825	0.00105	0.00105	0.00105	0.00105	0.001	0.0008	0.00025	0.00025	0.00105
pH	PH UNITS	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
pH	PH UNITS	Maximum	7.45	0	0	6.66	6.74	5.99	7.04	7.21	7.17	6.85	6.78	6.78	7.45
pH	PH UNITS	Minimum	7.45	0	0	6.66	6.74	5.99	7.04	7.21	7.17	6.85	6.78	6.78	5.99
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
TSS	MG/L	Maximum	1.8	0	0	<2	<2	<2	2	<2	<2	<2	<5	<2	<5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.8	0	0	1	1	1	2	1	1	1	2.5	1	2.5
Total Zinc	MG/L	# of Samples	1	0	0	2	1	1	1	1	1	1	1	1	11
Total Zinc	MG/L	Maximum	<0.005	0	0	0.012	<0.007	<0.007	<0.007	0.013	0.007	0.074	<0.005	0.013	0.074
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0.012	0.0035	0.0035	0.0035	0.013	0.007	0.074	0.0025	0.013	0.074

TABLE 82: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 FDP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	1	1	1	0	1	0	0	1	0	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	1	1	0	1	0	0	1	0	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	1	1	0	1	0	0	1	0	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	1	1	0	1	0	0	1	0	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	6	3	5	5	6	4	4	0	0	2	0	0	35
Total Arsenic	MG/L	Maximum	<0.0025	<0.0025	<0.0025	<0.0025	<0.002	<0.002	<0.002	0	0	<0.002	0	0	<0.0025
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00063	0.00108	0.00110	0.00105	0.00100	0.00100	0.00100	0	0	0.00100	0	0	0.00110
Total Copper	MG/L	# of Samples	6	3	5	5	6	4	4	0	0	2	0	0	35
Total Copper	MG/L	Maximum	0.0072	0.004	0.005	0.011	0.003	0.003	0.004	0	0	0.004	0	0	0.011
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00422	0.00367	0.00340	0.00500	0.00220	0.00150	0.00375	0	0	0.00300	0	0	0.00500
Un-ionized Ammonia	MG/L	# of Samples	6	3	5	4	6	4	5	2	0	2	0	0	37
Un-ionized Ammonia	MG/L	Maximum	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0	<0.05	0	0	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.005	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0	0.025	0	0	0.025
Total Nickel	MG/L	# of Samples	6	3	5	5	6	4	5	5	4	5	4	4	55
Total Nickel	MG/L	Maximum	0.06	0.0622	0.098	0.139	0.049	0.109	0.294	0.116	0.12	0.061	0.041	0.072	0.294
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.036	0.058	0.077	0.116	0.030	0.092	0.221	0.094	0.073	0.056	0.021	0.059	0.221
Total Lead	MG/L	# of Samples	6	3	5	5	6	4	4	0	0	2	0	0	35
Total Lead	MG/L	Maximum	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	0	0	<0.0005	0	0	<0.0021
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00038	0.00078	0.00073	0.00089	0.00105	0.00105	0.00105	0	0	0.00025	0	0	0.00105
pH	PH UNITS	# of Samples	6	3	6	5	7	4	8	5	4	7	4	4	63
pH	PH UNITS	Maximum	7.7	6.96	7.52	7.76	7.93	7.75	7.95	7.66	7.49	7.52	7.18	7.3	7.95
pH	PH UNITS	Minimum	6.61	6.79	6.7	6.52	6.42	7.08	6.46	7.36	7.34	6.36	6.1	6.64	6.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 82 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2023 FDP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	3	0	1	1	1	0	2	0	0	1	0	0	9
Radium-226	BQ/L	Maximum	<0.010	0	<0.005	<0.005	<0.005	0	<0.005	0	0	<0.005	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0.0025	0.0025	0.0025	0	0.0025	0	0	0.0025	0	0	0.005
TSS	MG/L	# of Samples	6	3	5	4	6	4	5	5	4	5	4	4	55
TSS	MG/L	Maximum	3	<2	3	3	<2	3	5	3	2	4	<5	4	5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.4	1.0	2.0	2.3	1.0	1.8	2.8	1.8	1.5	2.0	1.6	2.0	2.8
Total Zinc	MG/L	# of Samples	6	3	5	5	6	4	4	0	0	2	0	0	35
Total Zinc	MG/L	Maximum	0.013	0.026	0.026	0.02	0.016	0.015	0.041	0	0	0.017	0	0	0.041
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0043	0.0110	0.0086	0.0114	0.0081	0.0064	0.0153	0	0	0.0098	0	0	0.0153

TABLE 83: Vale Newfoundland and Labrador (Voisey's Bay) 2023 Treated Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	2	2	1	2	0	1	1	1	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	2	2	1	2	0	1	1	1	1	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	2	0	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	2	0	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	5	53
Total Arsenic	MG/L	Maximum	<0.0010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Total Arsenic	MG/L	Exceedance(>0.600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Copper	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	5	53
Total Copper	MG/L	Maximum	0.00099	0.002	0.002	0.002	0.007	0.002	0.001	0.001	0.009	0.003	<0.002	<0.002	0.009
Total Copper	MG/L	Exceedance(>0.600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00070	0.00125	0.00125	0.00125	0.00280	0.00100	0.00070	0.00063	0.00275	0.00120	0.00100	0.00100	0.00280

TABLE 83 CONTINUED: Vale Newfoundland and Labrador (Voisey's Bay) 2023 Treated Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	4	4	3	5	4	4	5	4	5	51
Un-ionized Ammonia	MG/L	Maximum	0.11	0.14	0.14	0.12	0.13	0.22	0.45	0.24	0.16	0.13	0.11	0.18	0.45
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0798	0.0725	0.0813	0.1075	0.0988	0.1567	0.2220	0.1525	0.0863	0.0960	0.0838	0.1340	0.2220
Total Nickel	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	5	53
Total Nickel	MG/L	Maximum	0.057	0.06	0.055	0.063	0.12	0.051	0.037	0.036	0.03	0.039	0.042	0.059	0.12
Total Nickel	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0488	0.0540	0.0495	0.0518	0.0694	0.0440	0.0332	0.0335	0.0288	0.0350	0.0310	0.0356	0.0694
Total Lead	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	5	53
Total Lead	MG/L	Maximum	<0.00050	0.00105	0.00025	0.00025	0.00025	<0.0005	<0.0005	<0.0005	0.05	<0.0005	0.0006	0.0009	0.05
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00045	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.01269	0.00025	0.00034	0.00038	0.01269
pH	PH UNITS	# of Samples	5	8	8	8	10	7	7	5	8	10	8	10	94
pH	PH UNITS	Maximum	7.57	7.23	6.84	6.64	6.96	8.2	8.46	8.33	6.44	7.2	6.51	6.75	8.46
pH	PH UNITS	Minimum	7.47	6.55	6.55	6.45	6.17	6.31	6.32	6.41	6.25	6.28	6.06	6	6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	1	1	1	1	1	2	1	0	2	1	2	15
Radium-226	BQ/L	Maximum	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005	0.008	0.008
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	0.0025	0.0025	0.008	0.008
TSS	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	5	53
TSS	MG/L	Maximum	4.8	4	5	4	4	4	4	3	5	7	7	6	7
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.3	2.0	3.3	3.0	2.6	2.5	2.4	1.5	2.8	3.8	4.3	3.4	4.3
Total Zinc	MG/L	# of Samples	5	4	4	4	4	4	5	4	4	5	4	5	53
Total Zinc	MG/L	Maximum	<0.0050	0.025	0.024	0.037	0.00025	0.016	<0.007	0.051	<0.005	0.011	<0.005	<0.005	0.051
Total Zinc	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.00250	0.01088	0.00788	0.00944	0.00025	0.00663	0.00350	0.01538	0.00250	0.00420	0.00250	0.00250	0.01538