

Environment and Climate Change

# Industrial Effluent Compliance 2020 Annual Report

November 2021



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## 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](http://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 2020, 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 2020.

Points to Note:

- The data presented is based upon reports submitted to ECC by industry, as of October 2021.
- 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 sum total for the year. The 'Overall' maximum and monthly average are the highest reported value for the year.

## Facilities

### Anaconda Mining Incorporated

<u>2020 COA</u>	Approval #:	AA17-085645
	Issue Date:	August 10, 2017
	Expiration:	August 10, 2022
	Approval #:	AA20-095663
	Issue Date:	September 21, 2020
	Expiration:	September 21, 2025

Anaconda Mining Incorporated discharged effluent from the Polishing Pond in 2020. There were no reported exceedances.

#### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Anaconda Mining Incorporated.

See Table 1: Anaconda 2020 Polishing Pond Discharge (FDP)

### Atlantic Minerals Limited

#### Lower Cove

<u>2020 COA</u>	Approval #:	AA19-115654
	Issue Date:	November 26, 2019
	Expiration:	November 26, 2024

Atlantic Minerals Limited (Lower Cove) discharged effluent at three locations in 2020. There was one total suspended solids (TSS) exceedance reported at the DL Quarry 2.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 2: Atlantic Minerals Lower Cove 2020 DL Quarry 1 (Goose Pond)  
Table 3: Atlantic Minerals Lower Cove 2020 DL Quarry 2  
Table 4: Atlantic Minerals Lower Cove 2020 HiCal Sampling Point #1

#### Corner Brook

<u>2020 Monitoring</u>	As per letter from PPD
	Issue Date: March 10, 2005

Atlantic Minerals Limited (Corner Brook) collected samples at two locations in 2020. There were five total dissolved solids (TDS) exceedances reported at the Shale Quarry.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 5: Atlantic Minerals Corner Brook 2020 Series 1  
Table 6: Atlantic Minerals Corner Brook 2020 Shale Quarry

### Barite Mud Services Incorporated

<u>2020 COA</u>	Approval #:	AA20-065662
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Issue Date: June 26, 2020

Expiration: June 26, 2025

Barite Mud Services Incorporated collected samples at one location in 2020. There were three TSS and four lead exceedances reported.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 7: Barite Mud Services 2020 TP1

### **Beaver Brook Antimony Mine Incorporated**

#### 2020 COA

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 reported exceedances.

#### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Beaver Brook Antimony Mine Incorporated.

See Table 8: Beaver Brook 2020 Site 16

### **Canada Fluorspar Incorporated**

#### 2020 COA

Approval #: AA17-075644

Issue Date: July 5, 2017

Expiration: July 5, 2022

Canada Fluorspar Incorporated discharges effluent from four locations, WQ STA 22, WQ STA 23, WQ STA 24 and WQ STA 25. In 2020, there were 10 ammonia, 16 nitrate, three lead, six TSS and two zinc exceedances reported at WQ STA 22. There were two cadmium, eight copper, 10 iron, 11 lead, four selenium, 11 TSS, 11 zinc, and three radium exceedances reported at WQ STA 23. There were three lead and five TSS exceedances reported at WQ STA 24. There were two copper, three iron, two ammonia, six nitrate, 13 lead, 16 TSS and four zinc exceedances reported at WQ STA 25.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 9: Canada Fluorspar Incorporated 2020 WQ STA 22  
Table 10: Canada Fluorspar Incorporated 2020 WQ STA 23  
Table 11: Canada Fluorspar Incorporated 2020 WQ STA 24  
Table 12: Canada Fluorspar Incorporated 2020 WQ STA 25

## **Carino Processing Limited**

<u>2020 COA</u>	Approval #:	AA13-125586
	Issue Date:	December 18, 2013
	Expiration:	December 18, 2018
	Extension:	April 30, 2020
	Approval #:	AA20-055660
	Issue Date:	May 29, 2020
	Expiration:	December 31, 2023

Carino Processing Limited has one effluent discharge location. In 2020, there were two biochemical oxygen demand (BOD), four phenolics, one total dissolved solids (TDS), and three total oil and grease (TOG) exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Carino Processing Limited.

See Table 13: Carino 2019 Effluent Discharge

## **Central Regional Waste Services Board**

<u>2020 COA</u>	Approval #:	WMS-17-12-001
	Issue Date:	December 1, 2017
	Expiration:	December 31, 2022

The Central Regional Services Board has one discharge location at SW9. In 2020, there was one BOD, four ammonia, six nitrate and one TSS exceedances reported at SW9.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 14: Central Regional Waste Services Board 2020 SW9

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

<u>2020 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 2020, there was one carbonaceous biological oxygen demand (CBOD), five iron, one TSS and two zinc exceedances reported at LW2.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 15: City of St. John's – Robin Hood Bay Landfill 2020 LW2

## Corner Brook Pulp and Paper Limited

<u>2020 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. There was one *Daphnia magna* ALT failure reported at the Effluent Treatment in 2020.

### Environmental Effects Monitoring

The Corner Brook Pulp and Paper Limited cycle 8 interpretive report was reviewed in 2020.

See Table 16: Corner Brook Pulp and Paper 2020 East Sewer  
Table 17: Corner Book Pulp and Paper 2020 Effluent Treatment  
Table 18: Corner Brook Pulp and Paper 2020 Total Mill Discharge

## Country Ribbon Incorporated

<u>2020 COA</u>	Approval #:	WMS-18-05-001
	Issue Date:	May 31, 2018
	Expiration:	May 31, 2022

Country Ribbon Incorporated has one discharge location designated as Post DAF Sampling. In 2020, there were 40 BOD, 16 TOG, 10 TSS and one zinc exceedance reported at this location.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 19: Country Ribbon Incorporated (White Hills Road) 2020 Post DAF Sampling

## DJ Composites

<u>2020 Monitoring</u>	As per letter from PPD
	Issue Date: March 8, 2012

DJ Composites has one effluent discharge location. There were no exceedances reported in 2020.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 20: DJ Composites 2020 Effluent

## Department of Industry, Energy and Technology (Buchans)

<u>2020 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 2020, one zinc exceedance was reported at the PH1 & PH2 Combined location. One lead, one TSS and one zinc exceedance was reported at Site 1. One cadmium, one copper, one lead and one zinc exceedance was reported at Site 12. One zinc exceedance was 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 21: Department of Industry, Energy and Technology (Buchans) 2020 PH1 & PH2 Combined  
Table 22: Department of Industry, Energy and Technology (Buchans) 2020 Site 1  
Table 23: Department of Industry, Energy and Technology (Buchans) 2020 Site 12  
Table 24: Department of Industry, Energy and Technology (Buchans) 2020 Site 17  
Table 25: Department of Industry, Energy and Technology (Buchans) 2020 Site 2

### **Department of Industry, Energy and Technology (Hope Brook)**

2020 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 monitors effluent from seven different areas of the mine site. There were no exceedances reported in 2020.

#### Environmental Effects Monitoring

There is no EEM program at this site.

- See Table 26: Department of Industry, Energy and Technology (Hope Brook) 2020 BHB#6  
Table 27: Department of Industry, Energy and Technology (Hope Brook) 2020 Banana Pond  
Table 28: Department of Industry, Energy and Technology (Hope Brook) 2020 Catch Basin  
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Table 30: Department of Industry, Energy and Technology (Hope Brook) 2020 Open Pit Spillway  
Table 31: Department of Industry, Energy and Technology (Hope Brook) 2020 Pine Pond  
Table 32: Department of Industry, Energy and Technology (Hope Brook) 2020 Polish Pond

### **Department of Industry, Energy and Technology (Gullbridge)**

2020 Monitoring As per letter from PPD  
Issue Date: April 18, 2018

The discharge location at the Gullbridge mine site (Below Berm) is sampled by the Department of Industry, Energy and Technology. There were no exceedances reported in 2020.

#### Environmental Effects Monitoring

There is no EEM program at this site.

- See Table 33: Department of Industry, Energy and Technology (Gullbridge) 2020 Below Berm

### **Department of Transportation and Infrastructure (Grand Falls)**

2020 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 no exceedances reported in 2020.

#### Environmental Effects Monitoring

There is no EEM program at this site.

- See Table 34: Department of Transportation and Infrastructure (Grand Falls) 2020 North Sewer

## Envirosystems

<u>2020 COA</u>	Approval #:	WMS-07-07-017
	Issue Date:	April 1, 2018
	Amended:	August 25, 2020
	Expiration:	March 31, 2023

Envirosystems Incorporated has one effluent discharge location. There were no exceedances reported in 2020.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 35: Envirosystems 2020 Waste Water Discharge

## Husky Oil Operations – Atlantic (Argentina)

<u>2020 COA</u>	Approval #:	AA13-115582B
	Issue Date:	October 3, 2014
	Amendment:	June 14, 2018
	Expiration:	November 30, 2019
	Extension:	December 31, 2021

Husky Oil Operations Limited – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir and the Settlement Pond #2 weir. In 2020, there were 12 ammonia exceedances and one TSS exceedance reported at Settlement Pond #1 weir. There were 12 ammonia and 11 TDS exceedances reported at Settling Pond #2 weir.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 36: Husky Oil Operations – Atlantic (Argentina) 2020 Settlement Pond #1 Weir  
Table 37: Husky Oil Operations – Atlantic (Argentina) 2020 Settlement Pond #2 Weir

## Iron Ore Company of Canada

<u>2020 COA</u>	Approval #:	AA13-045575B
	Issue Date:	April 9, 2013
	Amended:	June 27, 2018
	Expiration:	April 9, 2018
	Extension:	September 30, 2021

The Iron Ore Company of Canada collected samples at ten discharge locations in 2020. There was one TSS exceedance reported at FDP-W3-02. There was one TSS exceedance reported at PD19 and there was one TSS exceedance reported at PD25.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for the Iron Ore Company of Canada.

See Table 38: Iron Ore Company of Canada (Labrador City) 2020 FDP-HC  
Table 39: Iron Ore Company of Canada (Labrador City) 2020 FDP-MD30  
Table 40: Iron Ore Company of Canada (Labrador City) 2020 FDP-JN  
Table 41: Iron Ore Company of Canada (Labrador City) 2020 FDP-W3-02  
Table 42: Iron Ore Company of Canada (Labrador City) 2020 MD5  
Table 43: Iron Ore Company of Canada (Labrador City) 2020 FDP-LLN  
Table 44: Iron Ore Company of Canada (Labrador City) 2020 FDP-MP-06

Table 45: Iron Ore Company of Canada (Labrador City) 2020 PD-11

Table 46: Iron Ore Company of Canada (Labrador City) 2020 PD-19

Table 47: Iron Ore Company of Canada (Labrador City) 2020 PD-25

## Labatt Breweries

<u>2020 COA</u>	Approval #:	AA15-075607
	Issue Date:	July 27, 2015
	Expiration:	July 27, 2020
	Extension:	December 31, 2021

Labatt Breweries has one discharge point designated Water Chemistry. In 2020, there were 41 BOD, one orthophosphate, six pH, and 24 TSS exceedances reported.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 48: Labatt Breweries Newfoundland (St. John's) 2020 Water Chemistry

## Molson Coors Canada

<u>2020 COA</u>	Approval #:	AA17-065642
	Issue Date:	June 30, 2017
	Expiration:	June 30, 2022

Molson Coors Canada has one discharge point designated Water Chemistry. In 2020, there were 37 BOD and 19 pH exceedances reported at this site.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 49: Molson Coors Canada (St. John's) 2020 Water Chemistry

## Newfoundland Transshipment Limited

<u>2020 COA</u>	Approval #:	AA18-035648
	Issue Date:	March 13, 2018
	Expiration:	March 12, 2023

Newfoundland Transshipment Limited monitors water quality at nine locations. In 2020, there were no exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions in 2020.

See Table 50: Newfoundland Transshipment Limited 2020 Oily Water Separator  
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Table 58: Newfoundland Transshipment Limited 2020 Tank No. 7

## Newfoundland and Labrador Hydro (Holyrood)

<u>2020 COA</u>	Approval #:	AA16-105640A
	Issue Date:	October 31, 2016
	Amendment:	April 2, 2018
	Expiration:	August 31, 2021

The Newfoundland and Labrador Hydro Thermal Generating Station located in Holyrood samples effluent discharge at five locations. In 2020, two BOD exceedances were reported at the CT-OS. There was one pH exceedance reported at the Continuous Basin. There were two iron and one TPH exceedance reported at OS1. There was one iron exceedance reported at OS2. At the WWTP, one boron, three pH and one selenium exceedance was reported.

### Environmental Effects Monitoring

There were no EEM submissions in 2020.

See Table 59: Newfoundland and Labrador Hydro (Holyrood) 2020 CT-OS  
Table 60: Newfoundland and Labrador Hydro (Holyrood) 2020 Continuous Basin  
Table 61: Newfoundland and Labrador Hydro (Holyrood) 2020 OS1  
Table 62: Newfoundland and Labrador Hydro (Holyrood) 2020 OS2  
Table 63: Newfoundland and Labrador Hydro (Holyrood) 2020 WWTP

## North Atlantic Refining Limited

<u>2020 COA</u>	Approval #:	AA14-115594
	Issue Date:	November 13, 2014
	Expiration:	December 31, 2016
	Extension:	June 30, 2021

North Atlantic Refining Limited has one discharge point, the outfall to sea location. In 2020 there were no exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions in 2020.

See Table 64: North Atlantic Refining Ltd 2020 Outfall to Sea

## Pardy's Waste Management (Incinerator Road)

<u>2020 COA</u>	Approval #:	WMS-15-10-013
	Issue Date:	November 1, 2015
	Expiration:	November 1, 2020
	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 2020, there were seven nitrate, 11 orthophosphate, 15 TDS, and one total coliform exceedance reported.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 65: Pardy's Waste Management (Incinerator Road) 2020 Waste Water Treatment Plant

## Pardy's Waste Management (Donovans Industrial Park)

<u>2020 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 2020, there were no exceedances reported.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 66: Pardy's Waste Management (Donovans Industrial Park) 2020 Treated Wastewater

## Rambler Metals and Mining Canada Limited

<u>2020 COA</u>	Approval #:	AA18-065651
	Issue Date:	June 15, 2018
	Amended:	July 3, 2019
	Expiration:	March 31, 2023

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. There was one *Daphnia magna* ALT failure reported in the Treated Mine Effluent, but it should be noted that this was a monitoring test only and not considered a compliance determinant analysis.

### Environmental Effects Monitoring

The Rambler Metals and Mining Canada Limited Nugget Pond cycle six study design was reviewed in 2020. The Rambler Metals and Mining Canada Limited Ming Mine cycle three interpretive report was also reviewed in 2020.

See Table 67: Rambler Metals and Mining 2020 No.2 Polishing Pond  
Table 68: Rambler Metals and Mining 2020 Treated Mine Effluent

## Tacora Resources

<u>2020 COA</u>	Approval #:	AA18-015646
	Issue Date:	January 22, 2018
	Expiration:	January 22, 2023

Tacora Resources collected samples from five discharge points in 2020. There were two TSS exceedances reported at the Tailings Line Emergency Dump Basin.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Tacora Resources.

See Table 69: Tacora Resources (Wabush) 2020 East Pit 2 Dewatering (Sylvio Settling Basin)  
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Table 72: Tacora Resources (Wabush) 2020 Tailings Line Emergency Dump Basin (Settling Basin)  
Table 73: Tacora Resources (Wabush) 2020 West Pit Dewatering (Settling Basin)

## Tata Steel Minerals Canada Limited

<u>2020 COA</u>	Approval #:	AA18-055650B
	Issue Date:	May 14, 2018

Amended: July 29, 2020  
Expiration: May 14, 2023

Tata Steel Minerals Canada Limited discharged effluent from one location in 2020, COASW11. There was one TSS exceedance reported at COASW11.

#### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Tata Steel Minerals Canada Limited.

See Table 74: Tata Steel Minerals Canada Limited 2020 COASW11

### **Teck Resources Limited**

2020 Monitoring Duck Pond Closure Water Quality Monitoring Program  
Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at the Dam C location in 2020. There were no exceedances reported.

#### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Teck Resources Limited.

See Table 75: Teck Resources (Millertown) 2020 Dam C

### **Vale Newfoundland and Labrador Limited (Long Harbour)**

2020 COA Approval #: AA13-125573A  
Issue Date: December 18, 2013  
Amendment: July 27, 2015  
Expiration: December 18, 2018  
Extension: June 20, 2020  
Approval #: AA20-065661  
Issue Date: June 12, 2020  
Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Long Harbour) discharged effluent from five locations in 2020. There was one nickel and one pH exceedance reported at D2. There was one pH exceedance reported at D25. There was one pH exceedance reported at D3 and there was one pH exceedance reported at D5.

#### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2020 for Vale Newfoundland and Labrador Limited (Long Harbour).

See Table 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D2  
Table 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D25  
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Table 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D5  
Table 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 FDP1

### **Vale Newfoundland and Labrador Limited (Voisey's Bay)**

2020 COA Approval #: AA13-125585A  
Issue Date: December 31, 2013  
Amendment: July 4, 2018  
Expiration: December 31, 2018  
Extension: June 30, 2020

Approval #: AA20-055659B  
Issue Date: May 5, 2020  
Amendment: January 20, 2021  
Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from two locations in 2020. There were three *Daphnia magna* ALT failures reported at the Treated Effluent discharge location. It should be noted that these were monitoring tests only and not considered compliance determinant analyses.

Environmental Effects Monitoring

The Vale Newfoundland and Labrador Limited (Voisey's Bay) cycle four study design was reviewed in 2020.

See Table 81: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2020 Port Site Sed Pond  
Table 82: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2020 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 can be viewed exactly the same. Differences within the industrial facilities and the receiving environment make this a dynamic field that has to 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
CBOD	- Carbonaceous Biological Oxygen Demand
ECWSR	- Environmental Control Water and Sewage Regulations, 2003 (NLR 65/03)
EEM	- Environmental Effects Monitoring
ECC	- NL Department of Environment and Climate Change
MDMER	- Metal and Diamond Mining Effluent Regulations
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

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**TABLE 1: Anaconda 2020 Polishing Pond Discharge (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	2	0	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0.0006	0	0	0	0	0	0	0	0.0006
Total Arsenic	MG/L	Exceedance(>1.0)	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
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Cyanide (Total Available, unfiltered)	MG/L	Maximum	0	0	0	0	0.015	0	0	0	0	0	0	0	0.015
Cyanide (Total Available, unfiltered)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (Total Available, unfiltered)	MG/L	Monthly Average	0	0	0	0	0.0125	0	0	0	0	0	0	0	0.0125
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	0.044	0	0	0	0	0	0	0	0.044
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	0.041	0	0	0	0	0	0	0	0.041
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	0.00068	0	0	0	0	0	0	0	0.00068
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	0.00064	0	0	0	0	0	0	0	0.00064
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	0.0015	0	0	0	0	0	0	0	0.0015
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.0015	0	0	0	0	0	0	0	0.0015
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	7.76	0	0	0	0	0	0	0	7.76
pH	PH UNITS	Minimum	0	0	0	0	7.64	0	0	0	0	0	0	0	7.64
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	<0.005	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	0	0	0	0.0025	0	0	0	0	0	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	6	0	0	0	0	0	0	0	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	0	4.5	0	0	0	0	0	0	0	4.5
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	0.0024	0	0	0	0	0	0	0	0.0024
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	0.0017	0	0	0	0	0	0	0	0.0017

**TABLE 2: Atlantic Minerals Lower Cove 2020 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	0	1	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	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	0.05	0	0	0.05	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	0	<1.0	0	<1.0	0	1.8	0	1.8
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	0.5	0	0.5	0	1.8	0	1.8
Total Barium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	230	0	0	160	0	200	0	660	0	660
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	230	0	0	160	0	200	0	660	0	660
Total Boron	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	0	<50	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	0	25	0	25	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0.014	0	0	<0.010	0	<0.010	0	<0.010	0	0.014
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	0.005	0	0.005	0	0.005	0	0.014
Total Chromium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	0	<1.0	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	0.5	0	0.5	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	0.65	0	0	0.72	0	0.94	0	1.1	0	1.1
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	0.65	0	0	0.72	0	0.94	0	1.1	0	1.1
Total Iron	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	0	<50	0	0	91	0	63	0	1200	0	1200
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	0	91	0	63	0	1200	0	1200
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	0	<0.013	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	0.0065	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	0	<2.0	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	0	1	0	1	0	1	0	1
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0	0.063	0	0	0.06	0	<0.050	0	0.44	0	0.44
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0	0.063	0	0	0.06	0	0.025	0	0.44	0	0.44
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0.71	0	0	0.086	0	0.1	0	0.17	0	0.71
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	0.71	0	0	0.086	0	0.1	0	0.17	0	0.71

TABLE 2 CONTINUED: Atlantic Minerals Lower Cove 2020 DL Quarry 1 (Goose Pond)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0	<0.010	0	<0.010	0	<0.010	0	<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	0	0	0.005	0	0	0.005	0	0.005	0	0.005	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	0.95	0	0	<0.50	0	1.1	0	1.2	0	1.2
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	0.95	0	0	0.25	0	1.1	0	1.2	0	1.2
pH	PH UNITS	# of Samples	0	0	0	1	1	0	1	1	2	0	1	0	7
pH	PH UNITS	Maximum	0	0	0	7.86	8.34	0	7.55	8.17	8.08	0	7.88	0	8.34
pH	PH UNITS	Minimum	0	0	0	7.86	8.34	0	7.55	8.17	8.07	0	7.88	0	7.55
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	0	1	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	0	<0.0010	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	0.0005	0	0.0005	0	0.0005	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	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	0.25	0	0	0.25	0	0.25	0	0.25	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	0	<0.020	0	<0.020	0	<0.020	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	0.01	0	0.01	0	0.01	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	140	0	0	130	0	140	0	230	0	230
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	140	0	0	130	0	140	0	230	0	230
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	0	<0.090	0	<0.10	0	<0.090	0	<0.10
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	0.045	0	0.05	0	0.045	0	0.05
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	0	1	1	2	0	1	0	7
Total Suspended Solids	MG/L	Maximum	0	0	0	1.6	2.8	0	1.4	<1.0	1.6	0	2.5	0	2.8
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	0	0	0	1.6	2.8	0	1.4	0.5	1.6	0	2.5	0	2.8
Total Zinc	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	5.1	0	0	<5.0	0	<5.0	0	9.8	0	9.8
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	5.1	0	0	2.5	0	2.5	0	9.8	0	9.8

**TABLE 3: Atlantic Minerals Lower Cove 2020 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	0	0	0	1	0	1	0	3
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	0	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	0	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	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	0	0	0.5	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Barium	UG/L	Maximum	0	0	0	100	0	0	0	0	170	0	140	0	170
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	100	0	0	0	0	170	0	140	0	170
Total Boron	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Boron	UG/L	Maximum	0	0	0	<50	0	0	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	0	0	0	25	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Cadmium	UG/L	Maximum	0	0	0	<0.010	0	0	0	0	0.014	0	<0.010	0	0.014
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	0	0	0.014	0	0.005	0	0.014
Total Chromium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	0	0	0	3.5	0	<1.0	0	3.5
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	0	0	0	0.5	0	0	0	0	3.5	0	0.5	0	3.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Copper	UG/L	Maximum	0	0	0	<0.50	0	0	0	0	0.92	0	0.66	0	0.92
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	0	0	0.92	0	0.66	0	0.92
Total Iron	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Iron	UG/L	Maximum	0	0	0	<50	0	0	0	0	310	0	<50	0	310
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	0	0	0	310	0	25	0	310
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	0	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	0	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	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	0	0	0	1	0	1	0	1
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0	0.59	0	0	0	0	1.8	0	0.12	0	1.8
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0	0.59	0	0	0	0	1.8	0	0.12	0	1.8
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	1.1	0	0	0	0	7.3	0	5.2	0	7.3
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	1.1	0	0	0	0	7.3	0	5.2	0	7.3

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2020 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0	0	0	<0.010	0	<0.010	0	<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	0	0	0.005	0	0	0	0	0.005	0	0.005	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Lead	UG/L	Maximum	0	0	0	4.9	0	0	0	0	31	0	4	0	31
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	4.9	0	0	0	0	31	0	4	0	31
pH	PH UNITS	# of Samples	0	0	0	1	1	0	0	0	1	0	1	0	4
pH	PH UNITS	Maximum	0	0	0	8.1	7.96	0	0	0	8.08	0	8.15	0	8.15
pH	PH UNITS	Minimum	0	0	0	8.1	7.96	0	0	0	8.08	0	8.15	0	7.96
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	0	0	0	1	0	1	0	3
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	0	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	0	0	0.0005	0	0.0005	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	0	0	0	1	0	0.56	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	0	0	0.25	0	0	0	0	1	0	0.56	0	1
Sulphide	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	0	0	0	<0.020	0	<0.020	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	0	0	0.01	0	0.01	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Calculated TDS	MG/L	Maximum	0	0	0	150	0	0	0	0	230	0	260	0	260
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	150	0	0	0	0	230	0	260	0	260
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	0	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	0	0	0.045	0	0.045	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	0	0	0	1	0	1	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	2.2	3	0	0	0	43	0	<1.5	0	43
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	2.2	3	0	0	0	43	0	0.75	0	43
Total Zinc	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	1	0	3
Total Zinc	UG/L	Maximum	0	0	0	<5.0	0	0	0	0	7.2	0	<5.0	0	7.2
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	0	0	0	7.2	0	2.5	0	7.2

**TABLE 4: Atlantic Minerals Lower Cove 2020 HiCal 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	0	1	0	1	0	1	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	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	0.05	0	0	0.05	0	0.05	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	0	<1.0	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	0.5	0	0.5	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	100	0	0	210	0	140	0	160	0	210
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	100	0	0	210	0	140	0	160	0	210
Total Boron	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	0	89	0	<50	0	<50	0	89
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	0	89	0	25	0	25	0	89
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0.013	0	0	0.013	0	0.016	0	<0.010	0	0.016
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	0.013	0	0	0.013	0	0.016	0	0.005	0	0.016
Total Chromium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	0	<1.0	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	0.5	0	0.5	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	<0.50	0	0	0.81	0	<0.50	0	1.1	0	1.1
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	0.25	0	0	0.81	0	0.25	0	1.1	0	1.1
Total Iron	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	0	170	0	0	<50	0	130	0	170	0	170
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	170	0	0	25	0	130	0	170	0	170
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	0	<0.013	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	0.0065	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	2	0	0	<2.0	0	2.1	0	2.5	0	2.5
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	0	0	1	0	2.1	0	2.5	0	2.5
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0	0.35	0	0	<0.050	0	0.45	0	0.068	0	0.45
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0	0.35	0	0	0.025	0	0.45	0	0.068	0	0.45
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	1.5	0	0	3.6	0	3.9	0	2.4	0	3.9
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	1.5	0	0	3.6	0	3.9	0	2.4	0	3.9

**TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2020 HiCal Sampling Point #1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	0	<0.010	0	<0.010	0	<0.010	0	<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	0	0	0.005	0	0	0.005	0	0.005	0	0.005	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	5	0	0	1.9	0	7.4	0	6.2	0	7.4
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	5	0	0	1.9	0	7.4	0	6.2	0	7.4
pH	PH UNITS	# of Samples	0	0	0	1	1	0	1	1	2	0	1	0	7
pH	PH UNITS	Maximum	0	0	0	7.99	8.28	0	7.86	8.25	8.25	0	8.1	0	8.28
pH	PH UNITS	Minimum	0	0	0	7.99	8.28	0	7.86	8.25	8.16	0	8.1	0	7.86
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	0	1	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	0	<0.0010	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	0.0005	0	0.0005	0	0.0005	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	0.78	0	0	0.8	0	1.1	0	0.56	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	0.78	0	0	0.8	0	1.1	0	0.56	0	1.1
Sulphide	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.020	0	0	<0.020	0	<0.020	0	<0.020	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	0.01	0	0.01	0	0.01	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	170	0	0	280	0	220	0	210	0	280
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	170	0	0	280	0	220	0	210	0	280
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	0	<0.090	0	<0.098	0	<0.090	0	<0.098
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	0.045	0	0.049	0	0.045	0	0.049
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	0	1	1	2	0	1	0	7
Total Suspended Solids	MG/L	Maximum	0	0	0	3.8	9.7	0	1.8	3.4	13	0	8.3	0	13
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	3.8	9.7	0	1.8	3.4	7.1	0	8.3	0	9.7
Total Zinc	UG/L	# of Samples	0	0	0	1	0	0	1	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	14	0	0	12	0	25	0	27	0	27
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	14	0	0	12	0	25	0	27	0	27

**TABLE 5: Atlantic Minerals Corner Brook 2020 Series 1**

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	1	1	1	1	1	1	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.73	8.54	8.57	8.15	8.32	8.28	8.24	0	8.73
pH	PH UNITS	Minimum	0	0	0	0	8.73	8.54	8.57	8.15	8.32	8.28	8.24	0	8.15
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 6: Atlantic Minerals Corner Brook 2020 Shale Quarry**

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	1	1	1	1	1	1	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.13	7.98	7.84	8.08	8.04	8.09	8.09	0	8.13
pH	PH UNITS	Minimum	0	0	0	0	8.13	7.98	7.84	8.08	8.04	8.09	8.09	0	7.84
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS MEAS	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	1	0	7
TDS MEAS	MG/L	Maximum	0	0	0	0	1400	1300	1300	860	1200	940	1300	0	1400
TDS MEAS	MG/L	Exceedance(>1000)	0	0	0	0	1	1	1	0	1	0	1	0	5
TDS MEAS	MG/L	Monthly Average	0	0	0	0	1400	1300	1300	860	1200	940	1300	0	1400
TSS	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	1	0	7
TSS	MG/L	Maximum	0	0	0	0	7.7	2.3	7.5	1.6	2.5	1.4	5.2	0	7.7
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	7.7	2.3	7.5	1.6	2.5	1.4	5.2	0	7.7



TABLE 7: Barite Mud Services 2020 TP1

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	1	1	1	1	0	0	4
Total Silver	MG/L	Maximum	0	0	0	0	0	0	<0.0006	<0.0006	<0.0006	<0.0006	0	0	<0.0006
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	0.0003	0.0003	0.0003	0.0003	0	0	0.0003
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0.001	0.0023	0.0073	0.0085	0.0068	0	0.0085
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	0.001	0.0023	0.00614	0.00595	0.0068	0	0.0068
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.26	1.3	1.24	2.4	0	0	2.4
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	0.26	1.3	1.24	2.4	0	0	2.4
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Boron	MG/L	Maximum	0	0	0	0	0	0	<0.004	0.0041	<0.004	0.0041	0	0	0.0041
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	0.002	0.0041	0.002	0.0041	0	0	0.0041
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	0	0	<0.0050	0	0	0	0	0	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0	0	0	0.0025	0	0	0	0	0	0.0025
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0.0098	0.013	0.0072	0.0061	0	0	0.013
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	0.0098	0.013	0.0072	0.0061	0	0	0.013
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.0003	0.0012	0.0019	0.0054	0	0	0.0054
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	0.00015	0.0012	0.0019	0.0054	0	0	0.0054
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.018	0.024	0.055	0.307	0.026	0	0.307
Total Copper	MG/L	Exceedance(>0.337)*	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	0.018	0.024	0.03556	0.097225	0.026	0	0.097225
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.322	0.45	0.489	1.5	0	0	1.5
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	0.322	0.45	0.489	1.5	0	0	1.5
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	<0.0002	<0.0002	<0.0002	<0.0002	0	0	<0.0002
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0.0001	0.0001	0.0001	0.0001	0	0	0.0001
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0.00083	0.0014	0.0028	0.0033	0.003	0	0.0033
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	0.00083	0.0014	0.00226	0.0026	0.003	0	0.003
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	<0.02	<0.02	0.035	0.07	0	0	0.07
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0.01	0.01	0.035	0.07	0	0	0.07

\*Limit has been adjusted to account for background levels at TP1.

TABLE 7 Continued: Barite Mud Services 2020 TP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.06	0.5	<0.06	<0.06	0	0	0.5
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	0.03	0.5	0.03	0.03	0	0	0.5
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	<0.03	<0.03	<0.03	<0.03	0	0	<0.03
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	0.015	0.015	0.015	0.015	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0.31	0.44	0.68	0.46	0.44	0	0.68
Total Lead	MG/L	Exceedance(>0.45)*	0	0	0	0	0	0	0	0	3	1	0	0	4
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0.31	0.44	0.50	0.38	0.44	0	0.50
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.19	7.03	7.5	6.8	7.13	0	7.5
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.19	7.03	6.74	6.26	7.13	0	6.26
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	1	1	1	1	0	0	4
Phenolics	MG/L	Maximum	0	0	0	0	0	0	<0.002	<0.002	<0.002	<0.002	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	0.001	0.001	0.001	0.001	0	0	0.001
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.0008	<0.0008	<0.0008	<0.0008	0	0	<0.0008
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	0.0004	0.0004	0.0004	0.0004	0	0	0.0004
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Sulphide	MG/L	Maximum	0	0	0	0	0	0	<0.015	0.024	0.041	0.121	0	0	0.121
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	0.0075	0.024	0.041	0.121	0	0	0.121
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	0	0	4
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	79.37	394	133	165	0	0	394
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	79.37	394	133	165	0	0	394
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	1	0	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	<0.1	0	<0.1	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	0.05	0	0.05	0	0	0.05
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	<3	13	58	29	35	0	58
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	2	0	1	0	3
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	1.5	13	30.6	22	35	0	35
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	4	1	0	12
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	2.64	3.4	3.8	2.1	2.1	0	3.8
Total Zinc	MG/L	Exceedance(>4.4)*	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	2.64	3.4	2.968	1.7275	2.1	0	3.4

\*Limit has been adjusted to account for background levels at TP1

**TABLE 8: Beaver Brook 2020 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	1	0	1	0	0	1	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	1	0	0	1	0	4
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	1	0	1	0	0	1	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	1	0	0	1	0	4
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	3	5	5	3	3	1	3	2	4	4	34
Total Arsenic	MG/L	Maximum	0.07967	0	0.11938	0.12077	0.13	0.16	0.21	0.13	0.11	0.0804	0.12	0.089	0.21
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.07967	0	0.07628	0.09766	0.09560	0.14667	0.14028	0.13000	0.10033	0.07265	0.09560	0.08508	0.14667
Total Copper	MG/L	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
Total Copper	MG/L	Maximum	<0.00003	0	0.0004	0.00042	0.00045	0.00055	0.00026	0.00019	0.00052	0.00064	0.0007	0.0006	0.0007
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	0.00002	0	0.00014	0.00026	0.00022	0.00042	0.00025	0.00019	0.00045	0.00062	0.00025	0.00028	0.00062
Total Nickel	MG/L	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
Total Nickel	MG/L	Maximum	0.02211	0	0.02195	0.02199	0.015	0.011	0.0082	0.0084	0.006	0.0105	0.0228	0.024	0.024
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	0.02211	0	0.02192	0.01775	0.01340	0.01100	0.00558	0.00840	0.00527	0.01045	0.01813	0.01945	0.02211
Total Lead	MG/L	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
Total Lead	MG/L	Maximum	0.00064	0	0.00438	0.00453	0.0034	0.0013	0.00024	0.00046	0.0014	0.00653	0.00311	0.0024	0.00653
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00064	0	0.00323	0.00260	0.00262	0.00123	0.00014	0.00005	0.00071	0.00517	0.00160	0.00124	0.00517
pH	PH UNITS	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
pH	PH UNITS	Maximum	7.44	0	7.22	7.71	8.74	8.6	8.51	7.97	8.52	7.2	7.93	7.73	8.74
pH	PH UNITS	Minimum	7.44	0	7.2	7.13	7.27	7.51	7.81	7.97	6.65	6.9	7.29	7.11	6.65
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	1	0	0	1	1	0	0	0	1	0	4
Radium-226	BQ/L	Maximum	0	0	<0.005	0	0	<0.005	<0.005	0	0	0	<0.006	0	<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	0	0.0025	0	0	0.0025	0.0025	0	0	0	0.003	0	0.003
Total Suspended Solids	MG/L	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
Total Suspended Solids	MG/L	Maximum	4	0	6	6	11	7	8.5	2	3	8	2	2	11
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	4.00	0	3.17	4.20	9.60	5.33	5.67	2.00	2.67	6.00	1.38	1.13	9.60
Total Zinc	MG/L	# of Samples	1	0	3	5	5	3	3	1	3	2	4	4	34
Total Zinc	MG/L	Maximum	0.00417	0	0.00352	0.00354	0.0035	0.0034	<0.00233	<0.00233	<0.00233	0.003	0.004	0.004	0.00417
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	0.00417	0	0.00347	0.00222	0.00190	0.00259	0.00117	0.00117	0.00117	0.00300	0.00233	0.00328	0.00417

**TABLE 9: Canada Fluorspar Incorporated 2020 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	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Silver	MG/L	Maximum	0.0003	0.0008	0.0009	0.0004	0.0002	<0.00025	0.0003	<0.0001	<0.00025	0	<0.0001	<0.00025	0.0009
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	0.00025	0.00060	0.00048	0.00026	0.00012	0.00009	0.00011	0.00005	0.00009	0	0.00005	0.00009	0.00060
Total Arsenic	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Arsenic	MG/L	Maximum	0.005	0.01	0.005	0.015	0.006	0.006	0.004	0.004	0.014	0	0.003	0.003	0.015
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	0.0050	0.0075	0.0047	0.0073	0.0047	0.0055	0.0035	0.0033	0.0073	0	0.0030	0.0030	0.0075
Total Barium	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Barium	MG/L	Maximum	0.182	0.183	0.543	0.514	0.267	0.189	0.254	0.192	0.168	0	0.172	0.142	0.543
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	0.1535	0.1695	0.2787	0.2762	0.1970	0.1790	0.2275	0.1800	0.1233	0	0.1700	0.1410	0.2787
Total Boron	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Boron	MG/L	Maximum	0.023	0.02	0.025	0.021	0.021	0.017	0.032	0.025	0.042	0	0.021	0.023	0.042
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	0.0185	0.0185	0.0170	0.0182	0.0173	0.0155	0.0258	0.0227	0.0293	0	0.0200	0.0220	0.0293
Total Cadmium	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Cadmium	MG/L	Maximum	0.00853	0.0119	0.0141	0.00645	0.00428	0.0032	0.00464	0.00518	0.0031	0	0.00223	0.00355	0.0141
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	0.0079	0.0114	0.0077	0.0053	0.0031	0.0029	0.0039	0.0042	0.0022	0	0.0021	0.0033	0.0114
Total Chromium	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Chromium	MG/L	Maximum	0.004	0.002	<0.001	0.009	0.002	<0.002	0.001	<0.001	0.004	0	<0.001	<0.002	0.009
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	0.00225	0.00125	0.00050	0.00317	0.00117	0.00075	0.00063	0.00050	0.00183	0	0.00050	0.00075	0.00317
Total Copper	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Copper	MG/L	Maximum	0.036	0.057	0.091	0.082	0.02	0.008	0.018	0.005	0.019	0	0.005	0.006	0.091
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	0.0265	0.0420	0.0363	0.0337	0.0163	0.0075	0.0113	0.0047	0.0130	0	0.0047	0.0055	0.0420
Total Iron	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Iron	MG/L	Maximum	3.19	3.3	0.38	8.56	1.64	0.52	0.71	0.11	0.61	0	0.35	0.19	8.56
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	2.07	1.87	0.29	2.31	0.88	0.50	0.32	0.08	0.41	0	0.27	0.17	2.31
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	0	0.067	0	<0.026	0	0	0.036	0	0	<0.026	0.067
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	0.067	0	0.013	0	0	0.036	0	0	0.013	0.067
Total Nickel	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Nickel	MG/L	Maximum	0.008	0.011	0.012	0.012	0.01	0.003	0.004	0.003	0.005	0	0.003	0.003	0.012
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	0.0080	0.0085	0.0063	0.0058	0.0053	0.0030	0.0035	0.0023	0.0033	0	0.0027	0.0025	0.0085
Ammonium+Ammonia Total	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Ammonium+Ammonia Total	MG/L	Maximum	2.1	3.54	5.92	2.82	2.38	0.93	1.52	1.28	0.9	0	0.45	0.29	5.92
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	1	1	2	5	1	0	0	0	0	0	0	0	10
Ammonium+Ammonia Total	MG/L	Monthly Average	1.96	2.51	3.17	2.06	1.66	0.93	1.31	0.94	0.82	0	0.38	0.29	3.17
Total Nitrate	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Nitrate	MG/L	Maximum	6.07	7.88	21.1	14.3	9.04	10.1	13.5	15.4	14.4	0	13.8	8.65	21.1
Total Nitrate	MG/L	Exceedance(>10)	0	0	1	2	0	1	3	3	3	0	3	0	16
Total Nitrate	MG/L	Monthly Average	5.70	6.25	9.30	9.33	6.53	9.96	11.70	13.63	13.33	0	12.73	8.64	13.63

TABLE 9 CONTINUED: Canada Fluorspar Incorporated 2020 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.01	0	<0.01	0	0	0.01	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	0.005	0	0.005	0	0	0.01	0	0	0.005	0.01
Total Lead	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Lead	MG/L	Maximum	0.203	0.389	0.0172	0.647	0.0761	0.0188	0.0564	0.0118	0.0754	0	0.0157	0.0148	0.647
Total Lead	MG/L	Exceedance(>0.2)	1	1	0	1	0	0	0	0	0	0	0	0	3
Total Lead	MG/L	Monthly Average	0.1615	0.2125	0.0122	0.1559	0.0395	0.0171	0.0226	0.0106	0.0390	0	0.0120	0.0143	0.2125
pH	PH UNITS	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
pH	PH UNITS	Maximum	7.54	7.11	7.93	7.97	7.96	7.83	7.91	7.9	8.04	0	7.89	7.73	8.04
pH	PH UNITS	Minimum	6.12	6.72	7.67	7.67	7.79	7.78	7.82	7.78	7.85	0	7.8	7.02	6.12
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	0	1	4
Phenolics	MG/L	Maximum	0	0	0	0.011	0	0.02	0	0	<0.001	0	0	<0.001	0.02
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	0.011	0	0.02	0	0	0.0005	0	0	0.0005	0.02
Total Selenium	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Selenium	MG/L	Maximum	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0	0.002	0.002	0.003
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	0.0015	0.0020	0.0018	0.0017	0.0015	0.0015	0.0015	0.0020	0.0023	0	0.0020	0.0020	0.0023
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	0	<0.05	0	<0.05	0	0	<0.05	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	0.025	0	0.025	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	0	197	0	188	0	0	233	0	0	130	233
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	197	0	188	0	0	233	0	0	130	233
TDS Measured	MG/L	# of Samples	2	2	3	5	3	1	4	3	2	0	3	1	29
TDS Measured	MG/L	Maximum	242	222	160	280	200	220	320	380	240	0	250	202	380
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	182.0	219.0	96.0	196.0	180.0	220.0	280.0	313.3	121.3	0	245.3	202.0	313.3
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	0	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0	<0.1	<0.1	0.6
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	0.6	0.05	0.05	0.05	0.05	0.05	0.05	0	0.05	0.05	0.6
Total Suspended Solids	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Suspended Solids	MG/L	Maximum	49	94	8	273	46	9	10	<5	14	0	<5	<5	273
Total Suspended Solids	MG/L	Exceedance(>30)	1	1	0	3	1	0	0	0	0	0	0	0	6
Total Suspended Solids	MG/L	Monthly Average	37.50	56.00	6.17	68.75	22.67	8.00	5.25	2.50	6.33	0	2.50	2.50	68.75
Total Zinc	MG/L	# of Samples	2	2	3	6	3	2	4	3	3	0	3	2	33
Total Zinc	MG/L	Maximum	0.484	1.43	0.225	0.839	0.319	0.057	0.169	0.08	0.083	0	0.065	0.084	1.43
Total Zinc	MG/L	Exceedance(>0.5)	0	1	0	1	0	0	0	0	0	0	0	0	2
Total Zinc	MG/L	Monthly Average	0.460	0.837	0.120	0.296	0.151	0.057	0.094	0.069	0.064	0	0.054	0.080	0.837
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	0	1	1	11
Radium-226	BQ/L	Maximum	0.1	0.2	0.08	0.05	0.02	0.02	0.04	0.04	0.02	0	0.03	0.02	0.2
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	0.1	0.2	0.08	0.05	0.02	0.02	0.04	0.04	0.02	0	0.03	0.02	0.2

**TABLE 10: Canada Fluorspar Incorporated 2020 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	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Silver	MG/L	Maximum	0.0037	0.0051	0.007	0.0012	0	0	0	0	0	0	0	0	0.007
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	0.0032	0.0044	0.0056	0.0008	0	0	0	0	0	0	0	0	0.0056
Total Arsenic	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Arsenic	MG/L	Maximum	0.126	0.164	0.194	0.033	0	0	0	0	0	0	0	0	0.194
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	0.101	0.155	0.164	0.023	0	0	0	0	0	0	0	0	0.164
Total Barium	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Barium	MG/L	Maximum	1.08	1.6	2.06	0.437	0	0	0	0	0	0	0	0	2.06
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	0.8813	1.4467	1.78	0.2573	0	0	0	0	0	0	0	0	1.78
Total Boron	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Boron	MG/L	Maximum	0.041	0.05	0.054	0.03	0	0	0	0	0	0	0	0	0.054
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	0.038	0.043	0.048	0.022	0	0	0	0	0	0	0	0	0.048
Total Cadmium	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Cadmium	MG/L	Maximum	0.0361	0.0525	0.0635	0.00888	0	0	0	0	0	0	0	0	0.0635
Total Cadmium	MG/L	Exceedance(>0.05)	0	1	1	0	0	0	0	0	0	0	0	0	2
Total Cadmium	MG/L	Monthly Average	0.0279	0.0476	0.0524	0.00608	0	0	0	0	0	0	0	0	0.0524
Total Chromium	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Chromium	MG/L	Maximum	0.047	0.117	0.153	0.032	0	0	0	0	0	0	0	0	0.153
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	0.042	0.102	0.132	0.018	0	0	0	0	0	0	0	0	0.132
Total Copper	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Copper	MG/L	Maximum	0.718	1.46	1.85	0.275	0	0	0	0	0	0	0	0	1.85
Total Copper	MG/L	Exceedance(>0.3)	3	3	2	0	0	0	0	0	0	0	0	0	8
Total Copper	MG/L	Monthly Average	0.645	1.30	1.57	0.226	0	0	0	0	0	0	0	0	1.57
Total Iron	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Iron	MG/L	Maximum	36.8	70.5	95.5	14.3	0	0	0	0	0	0	0	0	95.5
Total Iron	MG/L	Exceedance(>10)	3	3	2	2	0	0	0	0	0	0	0	0	10
Total Iron	MG/L	Monthly Average	32.4	63.6	82.1	11.1	0	0	0	0	0	0	0	0	82.1
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0.136	0	0	0	0	0	0	0	0	0.136
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	0.136	0	0	0	0	0	0	0	0	0.136
Total Nickel	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Nickel	MG/L	Maximum	0.047	0.064	0.141	0.029	0	0	0	0	0	0	0	0	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	0.041	0.060	0.106	0.017	0	0	0	0	0	0	0	0	0.106
Ammonium+Ammonia Total	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Ammonium+Ammonia Total	MG/L	Maximum	0.13	0.09	0.32	0.09	0	0	0	0	0	0	0	0	0.32
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0.113	0.058	0.168	0.067	0	0	0	0	0	0	0	0	0.168
Total Nitrate	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Nitrate	MG/L	Maximum	7.6	5.35	5.88	3.41	0	0	0	0	0	0	0	0	7.6
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	6.59	4.65	5.16	3.09	0	0	0	0	0	0	0	0	6.59

**TABLE 10 CONTINUED: Canada Fluorspar Incorporated 2020 WQ STA 23**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	<0.01	0	0	0	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	0	0	0.005	0	0	0	0	0	0	0	0	0.005
Total Lead	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Lead	MG/L	Maximum	5	9.03	10	1.29	0	0	0	0	0	0	0	0	10
Total Lead	MG/L	Exceedance(>0.2)	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Lead	MG/L	Monthly Average	4.26	7.86	7.79	1.00	0	0	0	0	0	0	0	0	7.86
pH	PH UNITS	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
pH	PH UNITS	Maximum	7.52	7.48	8.10	8.02	0	0	0	0	0	0	0	0	8.10
pH	PH UNITS	Minimum	7.25	7.18	8.08	7.94	0	0	0	0	0	0	0	0	7.18
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	0	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	0	0.006	0	0	0	0	0	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	0	0	0.006	0	0	0	0	0	0	0	0	0.006
Total Selenium	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Selenium	MG/L	Maximum	0.002	0.019	0.017	0.002	0	0	0	0	0	0	0	0	0.019
Total Selenium	MG/L	Exceedance(>0.01)	0	2	2	0	0	0	0	0	0	0	0	0	4
Total Selenium	MG/L	Monthly Average	0.0012	0.0117	0.015	0.002	0	0	0	0	0	0	0	0	0.015
Sulphide	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	0	<0.05	0	0	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	0	0	0.025	0	0	0	0	0	0	0	0	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	391	0	0	0	0	0	0	0	0	391
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	391	0	0	0	0	0	0	0	0	391
TDS Measured	MG/L	# of Samples	3	3	2	2	0	0	0	0	0	0	0	0	10
TDS Measured	MG/L	Maximum	588	786	460	340	0	0	0	0	0	0	0	0	786
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	445.3	678.7	350	290	0	0	0	0	0	0	0	0	678.7
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	0	0	0	0	0	0	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	<0.1	<0.1	<0.1	0	0	0	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	0.05	0.05	0.05	0.05	0	0	0	0	0	0	0	0	0.05
Total Suspended Solids	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Suspended Solids	MG/L	Maximum	1660	1800	1570	236	0	0	0	0	0	0	0	0	1800
Total Suspended Solids	MG/L	Exceedance(>30)	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Suspended Solids	MG/L	Monthly Average	1127.3	1793.3	1218.5	174.7	0	0	0	0	0	0	0	0	1793.3
Total Zinc	MG/L	# of Samples	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Zinc	MG/L	Maximum	7.72	12.5	16.2	2.06	0	0	0	0	0	0	0	0	16.2
Total Zinc	MG/L	Exceedance(>0.5)	3	3	2	3	0	0	0	0	0	0	0	0	11
Total Zinc	MG/L	Monthly Average	6.81	12.3	13.45	1.65	0	0	0	0	0	0	0	0	13.45
Radium-226	BQ/L	# of Samples	1	1	1	1	0	0	0	0	0	0	0	0	4
Radium-226	BQ/L	Maximum	0.48	0.7	0.8	0.1	0	0	0	0	0	0	0	0	0.8
Radium-226	BQ/L	Exceedance(>0.37)	1	1	1	0	0	0	0	0	0	0	0	0	3
Radium-226	BQ/L	Monthly Average	0.48	0.7	0.8	0.1	0	0	0	0	0	0	0	0	0.8

**TABLE 11: Canada Fluorspar Incorporated 2020 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	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Silver	MG/L	Maximum	0.0006	<0.0001	<0.0001	<0.00025	0.0001	0.0005	0.0002	<0.0001	<0.00025	<0.0001	<0.002	<0.00025	<0.002
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	0.00033	0.00005	0.00005	0.00006	0.00006	0.00016	0.00008	0.00005	0.00008	0.00005	0.00030	0.00009	0.00033
Total Arsenic	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Arsenic	MG/L	Maximum	<0.002	<0.002	0.003	0.006	0.008	0.014	0.015	0.013	0.015	0.004	0.013	0.007	0.015
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	0.00100	0.00100	0.00150	0.00267	0.00575	0.00760	0.01140	0.01275	0.00925	0.00350	0.00975	0.00375	0.013
Total Barium	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Barium	MG/L	Maximum	0.053	0.065	0.074	0.092	0.087	0.106	0.130	0.048	0.163	0.062	0.135	0.094	0.163
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	0.042	0.056	0.070	0.068	0.072	0.073	0.069	0.044	0.092	0.058	0.075	0.066	0.092
Total Boron	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Boron	MG/L	Maximum	0.009	0.011	0.012	0.02	0.025	0.027	0.042	0.035	0.043	0.02	0.035	0.015	0.043
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	0.009	0.010	0.010	0.012	0.021	0.021	0.034	0.034	0.025	0.016	0.031	0.013	0.034
Total Cadmium	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Cadmium	MG/L	Maximum	0.00035	0.00036	0.0008	0.00109	0.00136	0.00281	0.00201	0.00102	0.00322	0.00078	0.00117	0.0014	0.00322
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	0.00030	0.00028	0.00053	0.00063	0.00102	0.00123	0.00125	0.00099	0.00154	0.00057	0.00090	0.00079	0.00154
Total Chromium	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Chromium	MG/L	Maximum	0.001	<0.001	0.003	0.002	0.002	0.006	0.004	0.004	0.003	0.002	0.003	0.003	0.006
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	0.0008	0.0005	0.0015	0.0010	0.0013	0.0022	0.0026	0.0028	0.0021	0.0018	0.0019	0.0019	0.0028
Total Copper	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Copper	MG/L	Maximum	0.004	0.005	0.014	0.022	0.036	0.093	0.058	0.02	0.017	0.017	0.025	0.032	0.093
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	0.004	0.004	0.008	0.011	0.020	0.034	0.027	0.012	0.014	0.012	0.016	0.017	0.0336
Total Iron	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Iron	MG/L	Maximum	0.32	0.46	1.09	0.7	1.49	2.57	3.3	0.53	1.86	1.08	1.32	1.96	3.3
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	0.30	0.25	0.54	0.45	0.78	0.98	0.99	0.33	0.80	0.77	0.82	1.46	1.46
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	0	<0.026	0	<0.026	0	0	<0.026	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	0.013	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Nickel	MG/L	Maximum	0.003	0.003	0.003	0.021	0.017	0.008	0.007	0.002	0.004	0.003	0.004	0.004	0.021
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	0.0020	0.0015	0.0028	0.0075	0.0085	0.0034	0.0026	0.0013	0.0025	0.0020	0.0023	0.0028	0.0085
Ammonium+Ammonia Total	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Ammonium+Ammonia Total	MG/L	Maximum	0.19	0.91	0.24	1.88	0.34	0.22	0.09	0.14	0.08	0.06	0.04	0.06	1.88
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0.16	0.28	0.15	0.44	0.15	0.15	0.06	0.07	0.06	0.03	0.02	0.04	0.44
Total Nitrate	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Nitrate	MG/L	Maximum	3.65	4.41	3.42	3.05	2.75	2.02	2.36	1.47	2.77	2.9	1.42	1.97	4.41
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	2.31	3.96	3.01	2.07	2.52	1.62	1.84	1.34	1.89	2.28	1.24	1.19	3.96



TABLE 11 CONTINUED: Canada Fluorspar Incorporated 2020 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.01	0	<0.01	0	0	0.02	0	0	0.01	0.02
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	0.005	0	0	0.02	0	0	0.01	0.02
Total Lead	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Lead	MG/L	Maximum	0.0123	0.0173	0.0805	0.092	0.139	0.374	0.363	0.0601	0.0789	0.0888	0.182	0.214	0.374
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	1	1	0	0	0	0	1	3
Total Lead	MG/L	Monthly Average	0.00875	0.01105	0.03705	0.04183	0.07460	0.11624	0.10722	0.03525	0.06003	0.05183	0.09855	0.09795	0.11624
pH	PH UNITS	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
pH	PH UNITS	Maximum	6.88	6.81	7.76	8.17	8.17	8.2	8.37	8.42	8.35	7.98	8.5	7.83	8.5
pH	PH UNITS	Minimum	6.75	6.28	7.25	7.63	7.94	7.32	7.97	8.31	7.77	7.84	8.27	6.81	6.28
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	0	1	4
Phenolics	MG/L	Maximum	0	0	0	<0.004	0	0.016	0	0	0.002	0	0	0.004	0.016
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	0.002	0	0.016	0	0	0.002	0	0	0.004	0.016
Total Selenium	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Selenium	MG/L	Maximum	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003
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	0.00075	0.00150	0.00113	0.00075	0.00200	0.00240	0.00220	0.00200	0.00188	0.00138	0.00200	0.00200	0.00240
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	0	<0.05	0	<0.05	0	0	<0.05	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	0.025	0	0.025	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	0	170	0	369	0	0	448	0	0	126	448
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	170	0	369	0	0	448	0	0	126	448
TDS Measured	MG/L	# of Samples	2	4	4	5	4	4	5	4	3	4	4	3	46
TDS Measured	MG/L	Maximum	224	264	440	260	400	560	520	500	400	320	454	240	560
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	172.0	250.5	231.5	220.0	335.0	322.5	451.6	465.0	293.3	255.0	409.0	229.3	465.0
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
Total Suspended Solids	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Suspended Solids	MG/L	Maximum	<5	6	26	28	57	69	40	26	16	10	44	84	84
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	1	1	1	0	0	0	1	1	5
Total Suspended Solids	MG/L	Monthly Average	2.50	4.25	8.38	10.25	28.25	21.80	17.90	10.88	8.88	5.50	19.88	32.88	32.88
Total Zinc	MG/L	# of Samples	2	4	4	6	4	5	5	4	4	4	4	4	50
Total Zinc	MG/L	Maximum	0.032	0.037	0.137	0.114	0.196	0.499	0.401	0.045	0.107	0.084	0.121	0.279	0.499
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	0.0245	0.0283	0.0698	0.0725	0.1108	0.1564	0.1130	0.0268	0.0725	0.0558	0.0775	0.1330	0.1564
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	<0.005	0.008	0.01	0.01	0.02	0.03	0.006	<0.005	0.009	0.01	0.02	0.03
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	0.008	0.01	0.01	0.02	0.03	0.006	<0.005	0.009	0.01	0.02	0.03

**TABLE 12: Canada Fluorspar Incorporated 2020 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	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Silver	MG/L	Maximum	0.0003	0.0014	0.0006	<0.00025	0.0003	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	0.0014
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	0.00018	0.00049	0.00024	0.00006	0.00011	0.00008	0.00005	0.00005	0.00008	0.00005	0.00005	0.00008	0.00049
Total Arsenic	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Arsenic	MG/L	Maximum	0.017	0.263	0.041	0.013	0.033	0.012	0.012	0.01	0.016	0.01	0.012	0.018	0.263
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	0.0135	0.0910	0.0220	0.0105	0.0155	0.0080	0.0102	0.0093	0.0102	0.0070	0.0103	0.0115	0.0910
Total Barium	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Barium	MG/L	Maximum	0.135	1.94	0.363	0.096	0.186	0.097	0.169	0.141	0.117	0.109	0.136	0.139	1.94
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	0.1210	0.6825	0.1770	0.0802	0.1160	0.0758	0.1270	0.1307	0.0838	0.0858	0.1200	0.1015	0.6825
Total Boron	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Boron	MG/L	Maximum	0.02	0.023	0.02	0.013	0.018	0.018	0.026	0.023	0.032	0.018	0.02	0.019	0.032
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	0.0185	0.0195	0.0148	0.0112	0.0145	0.0122	0.0226	0.0197	0.0186	0.0143	0.0190	0.0165	0.0226
Total Cadmium	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Cadmium	MG/L	Maximum	0.00179	0.0488	0.0048	0.0013	0.00537	0.00082	0.00053	0.00033	0.00106	0.00046	0.00122	0.00158	0.0488
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	0.00145	0.01522	0.00224	0.00083	0.00199	0.00061	0.00042	0.00021	0.00082	0.00033	0.00074	0.00078	0.01522
Total Chromium	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Chromium	MG/L	Maximum	0.012	0.126	0.021	0.003	0.009	0.002	0.001	<0.001	0.003	0.001	0.003	0.004	0.126
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	0.0075	0.0393	0.0085	0.0023	0.0034	0.0015	0.0007	0.0005	0.0022	0.0006	0.0023	0.0019	0.0393
Total Copper	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Copper	MG/L	Maximum	0.037	2.03	0.197	0.016	0.175	0.019	0.011	0.006	0.027	0.009	0.034	0.058	2.03
Total Copper	MG/L	Exceedance(>0.3)	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Copper	MG/L	Monthly Average	0.0255	0.6120	0.0770	0.0125	0.0548	0.0118	0.0060	0.0030	0.0174	0.0063	0.0210	0.0228	0.6120
Total Iron	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Iron	MG/L	Maximum	2.67	109	19.3	1.47	8.23	1.29	0.82	0.66	1.79	0.74	2.62	3.24	109
Total Iron	MG/L	Exceedance(>10)	0	2	1	0	0	0	0	0	0	0	0	0	3
Total Iron	MG/L	Monthly Average	2.04	35.73	7.60	1.18	2.75	0.87	0.39	0.30	1.44	0.48	1.57	1.38	35.73
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	0	<0.026	0	<0.026	0	0	<0.026	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	0.013	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Nickel	MG/L	Maximum	0.022	0.3	0.028	0.034	0.048	0.005	0.004	0.002	0.006	0.003	0.005	0.01	0.3
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	0.0150	0.0925	0.0130	0.0085	0.0228	0.0040	0.0034	0.0020	0.0042	0.0025	0.0040	0.0050	0.0925
Ammonium+Ammonia Total	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Ammonium+Ammonia Total	MG/L	Maximum	0.6	6.24	2.23	0.36	0.72	0.39	0.22	0.1	0.16	0.04	0.71	0.1	6.24
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	1	1	0	0	0	0	0	0	0	0	0	2
Ammonium+Ammonia Total	MG/L	Monthly Average	0.47	1.91	0.96	0.20	0.45	0.22	0.09	0.06	0.11	0.03	0.25	0.04	1.91
Total Nitrate	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Nitrate	MG/L	Maximum	7.12	13	4.92	3.08	6.33	7.56	7.44	7.57	16	27.8	10.8	9.92	27.8
Total Nitrate	MG/L	Exceedance(>10)	0	1	0	0	0	0	0	0	2	2	1	0	6
Total Nitrate	MG/L	Monthly Average	6.24	6.22	3.41	2.75	5.12	6.50	6.63	7.33	11.24	15.65	8.75	7.80	15.65

TABLE 12 CONTINUED : Canada Fluorspar Incorporated 2020 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.01	0	<0.01	0	0	0.01	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	0.005	0	0.005	0	0	0.01	0	0	0.005	0.01
Total Lead	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Lead	MG/L	Maximum	0.271	23.4	1.62	0.146	1.89	0.257	0.0806	0.0448	0.356	0.0365	0.0921	0.489	23.4
Total Lead	MG/L	Exceedance(>0.2)	1	4	3	0	2	1	0	0	1	0	0	1	13
Total Lead	MG/L	Monthly Average	0.179	6.735	0.657	0.065	0.561	0.099	0.038	0.020	0.114	0.029	0.069	0.179	6.735
pH	PH UNITS	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
pH	PH UNITS	Maximum	7.23	7.23	7.99	7.94	7.9	7.88	7.91	7.97	7.87	7.86	8	7.84	8
pH	PH UNITS	Minimum	6.99	7.02	7.47	7.81	7.74	7.34	7.78	7.84	7.74	7.73	7.97	7.16	6.99
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	0	1	4
Phenolics	MG/L	Maximum	0	0	0	<0.004	0	0.009	0	0	<0.001	0	0	<0.001	0.009
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	0.002	0	0.009	0	0	0.0005	0	0	0.0005	0.009
Total Selenium	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Selenium	MG/L	Maximum	0.002	0.002	0.004	0.001	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.005
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	0.0015	0.0014	0.0019	0.0006	0.0019	0.0012	0.0011	0.0013	0.0016	0.0011	0.0020	0.0020	0.0020
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	0	<0.05	0	<0.05	0	0	<0.05	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	0.025	0	0.025	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	0	125	0	132	0	0	223	0	0	183	223
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	125	0	132	0	0	223	0	0	183	223
TDS Measured	MG/L	# of Samples	2	4	4	5	4	4	5	3	4	4	3	3	45
TDS Measured	MG/L	Maximum	158	338	200	140	220	280	260	260	280	320	218	260	338
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	149.0	222.0	153.5	108.0	205.0	195.5	211.6	200.0	170.0	255.0	194.7	219.3	255.0
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
Total Suspended Solids	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Suspended Solids	MG/L	Maximum	36	1900	477	13	382	37	13	15	80	7	56	70	1900
Total Suspended Solids	MG/L	Exceedance(>30)	1	3	4	0	1	1	0	0	3	0	1	2	16
Total Suspended Solids	MG/L	Monthly Average	22	701.1	177.3	10.3	107.9	20.7	5.5	6.7	40.4	4.5	27.0	34.3	701.1
Total Zinc	MG/L	# of Samples	2	4	4	6	4	5	5	3	5	4	3	4	49
Total Zinc	MG/L	Maximum	0.231	8.11	1.11	0.154	0.857	0.097	0.055	0.031	0.199	0.049	0.157	0.225	8.11
Total Zinc	MG/L	Exceedance(>0.5)	0	2	1	0	1	0	0	0	0	0	0	0	4
Total Zinc	MG/L	Monthly Average	0.1615	2.597	0.463	0.107	0.291	0.071	0.034	0.016	0.108	0.033	0.100	0.100	2.597
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	0.01	0.07	0.05	0.01	0.03	0.02	<0.005	0.006	<0.005	0.009	0.02	<0.005	0.07
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	0.01	0.07	0.05	0.01	0.03	0.02	<0.005	0.006	<0.005	0.009	0.02	<0.005	0.07

**TABLE 13: Carino 2020 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	0	1	0	0	0	0	0	0	0	0	0	1
Total Silver	UG/L	Maximum	0	0	<0.10	0	0	0	0	0	0	0	0	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	0.05	0	0	0	0	0	0	0	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	<1.0	0	0	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	0.5	0	0	0	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	11	0	0	0	0	0	0	0	0	0	11
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	11	0	0	0	0	0	0	0	0	0	11
Total Boron	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	<50	0	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	0	0	25	0	0	0	0	0	0	0	0	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Biochemical Oxygen Demand	MG/L	Maximum	0	400	0	0	0	0	0	0	0	0	0	0	400
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	2	0	0	0	0	0	0	0	0	0	0	2
Biochemical Oxygen Demand	MG/L	Monthly Average	0	249	0	0	0	0	0	0	0	0	0	0	249
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	<0.0050	0	0	0	0	0	0	0	0	0	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0.0025	0	0	0	0	0	0	0	0	0	0.0025
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0.18	0	0	0	0	0	0	0	0	0	0.18
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	0.18	0	0	0	0	0	0	0	0	0	0.18
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	44	0	0	0	0	0	0	0	0	0	44
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	44	0	0	0	0	0	0	0	0	0	44
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	8.6	0	0	0	0	0	0	0	0	0	8.6
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	8.6	0	0	0	0	0	0	0	0	0	8.6
Total Iron	UG/L	# of Samples	0	3	1	0	0	0	0	0	0	0	0	0	4
Total Iron	UG/L	Maximum	0	4000	810	0	0	0	0	0	0	0	0	0	4000
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	2290	810	0	0	0	0	0	0	0	0	0	2290
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0.017	0	0	0	0	0	0	0	0	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	0.017	0	0	0	0	0	0	0	0	0	0.017
Total Nickel	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	49	0	0	0	0	0	0	0	0	0	49
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	49	0	0	0	0	0	0	0	0	0	49

**TABLE 13 CONTINUED: Carino 2020 Effluent Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium+Ammonia Total	MG/L	# of Samples	0	3	1	0	0	0	0	0	0	0	0	0	4
Ammonium+Ammonia Total	MG/L	Maximum	0	1.6	1.1	0	0	0	0	0	0	0	0	0	1.6
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	1.27	1.10	0	0	0	0	0	0	0	0	0	1.27
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	<0.050	0	0	0	0	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	0.025	0	0	0	0	0	0	0	0	0	0.025
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	0	0	<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	0	0.005	0	0	0	0	0	0	0	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	<0.50	0	0	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	0.25	0	0	0	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	3	1	0	0	0	0	0	0	0	0	0	4
pH	PH UNITS	Maximum	0	8.31	6.52	0	0	0	0	0	0	0	0	0	8.31
pH	PH UNITS	Minimum	0	6.97	6.52	0	0	0	0	0	0	0	0	0	6.52
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	3	1	0	0	0	0	0	0	0	0	0	4
Phenolics	MG/L	Maximum	0	9.8	11	0	0	0	0	0	0	0	0	0	11
Phenolics	MG/L	Exceedance(>0.1)	0	3	1	0	0	0	0	0	0	0	0	0	4
Phenolics	MG/L	Monthly Average	0	5.5	11	0	0	0	0	0	0	0	0	0	11
Total Selenium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	<0.50	0	0	0	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	0.25	0	0	0	0	0	0	0	0	0	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	<0.020	0	0	0	0	0	0	0	0	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	0.01	0	0	0	0	0	0	0	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	10000	0	0	0	0	0	0	0	0	0	10000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	1	0	0	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Monthly Average	0	0	10000	0	0	0	0	0	0	0	0	0	10000
Total Oil and Grease	MG/L	# of Samples	0	3	0	0	0	0	0	0	0	0	0	0	3
Total Oil and Grease	MG/L	Maximum	0	69	0	0	0	0	0	0	0	0	0	0	69
Total Oil and Grease	MG/L	Exceedance(>15)	0	3	0	0	0	0	0	0	0	0	0	0	3
Total Oil and Grease	MG/L	Monthly Average	0	43	0	0	0	0	0	0	0	0	0	0	43
Total Suspended Solids	MG/L	# of Samples	0	3	1	0	0	0	0	0	0	0	0	0	4
Total Suspended Solids	MG/L	Maximum	0	25	7	0	0	0	0	0	0	0	0	0	25
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	11.7	7	0	0	0	0	0	0	0	0	0	11.7
Total Zinc	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	<5.0	0	0	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	2.5	0	0	0	0	0	0	0	0	0	2.5

**TABLE 14: Central Regional Waste Services Board 2020 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	2.7	0	3.5	0	4.9	0	2.4	0	4.9
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	2.7	0	3.5	0	4.9	0	2.4	0	4.9
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	91	0	130	0	210	0	170	0	210
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	91	0	130	0	210	0	170	0	210
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	350	0	630	0	1200	0	910	0	1200
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	350	0	630	0	1200	0	910	0	1200
Biochemical Oxygen Demand	MG/L	# of Samples	1	1	1	1	1	1	1	0	1	1	1	1	11
Biochemical Oxygen Demand	MG/L	Maximum	44	11	6.7	<2.0	7.4	15	12	0	10	<2.0	<2.0	17	44
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	1	0	0	0	0	0	0	0	0	0	0	0	1
Biochemical Oxygen Demand	MG/L	Monthly Average	44	11	6.7	1	7.4	15	12	0	10	1	1	17	44
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	0.01	0	0.017	0	0.031	0	0.026	0	0.031
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	0.01	0	0.017	0	0.031	0	0.026	0	0.031
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	2.8	0	2.5	0	9.1	0	3.3	0	9.1
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	0	0	0	0	2.8	0	2.5	0	9.1	0	3.3	0	9.1
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	2.4	0	3	0	4.3	0	3.8	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	2.4	0	3	0	4.3	0	3.8	0	4.3
Total Iron	UG/L	# of Samples	1	1	1	1	2	1	2	0	2	1	2	1	15
Total Iron	UG/L	Maximum	1000	610	810	110	210	200	160	0	190	160	130	360	1000
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	1000	610	810	110	146.5	200	145	0	170	160	113	360	1000
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	<0.013	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	0.0065	0	0.0065	0	0.0065	0	0.0065	0	0.0065
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	7.7	0	14	0	25	0	20	0	25
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	7.7	0	14	0	25	0	20	0	25
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0	0	28	0	9.5	0	9.6	0	4.2	0	28
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	1	0	1	0	4
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0	0	28	0	9.5	0	9.6	0	4.2	0	28

TABLE 14 CONTINUED: Central Regional Waste Services Board 2020 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	2	1	2	0	2	1	2	1	15
Nitrate, filtered, reactive	MG/L	Maximum	60	57	59	1.9	4.6	10	3.3	0	17	27	40	0.65	60
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	1	0	0	0	0	0	0	2	1	2	0	6
Nitrate, filtered, reactive	MG/L	Monthly Average	60	57	59	1.9	4	10	2.25	0	16.5	27	36	0.65	60
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	<0.010	0	<0.010	0	<0.010	0	<0.010	0	<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	0	0	0	0.005	0	0.005	0	0.005	0	0.005	0	0.005
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	1	1	2	1	2	0	2	1	2	1	15
pH	PH UNITS	Maximum	7.84	8.33	8.06	7.71	8.01	8.21	8.28	0	8.37	8.39	8.32	8.03	8.39
pH	PH UNITS	Minimum	7.84	8.33	8.06	7.71	7.91	8.21	8.21	0	8.35	8.39	8.21	8.03	7.71
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	1	0	1	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	0	<0.0010	0	<0.0010	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	0.0005	0	0.0005	0	0.0005	0	0.0005	0	0.0005
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	<0.020	0	<0.020	0	<0.020	0	<0.020	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	0.01	0	0.01	0	0.01	0	0.01	0	0.01
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	440	0	590	0	1000	0	900	0	1000
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	440	0	590	0	1000	0	900	0	1000
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	2	1	2	0	2	1	2	1	15
Total Suspended Solids	MG/L	Maximum	17	7.5	7	<0.50	6.8	32	15	0	12	2.5	<0.50	8.4	32
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	17	7.5	7	0.25	5.1	32	10.5	0	11	2.5	0.25	8.4	32
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	6.5	0	<5.0	0	7.5	0	22	0	22
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	6.5	0	2.5	0	7.5	0	22	0	22

**TABLE 15: City of St. John's - Robin Hood Bay Landfill 2020 LW2**

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	1	1	0	1	0	0	1	0	5
Total Boron	UG/L	Maximum	0	1500	0	0	1400	1700	0	1800	0	0	980	0	1800
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	1500	0	0	1400	1700	0	1800	0	0	980	0	1800
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	1	0	1	0	0	1	0	3
Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	270	0	250	0	0	110	0	270
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	0	270	0	250	0	0	110	0	270
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	52	0	0	450	0	0	0	0	0	0	0	450
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	1	0	0	0	0	0	0	0	1
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	0	52	0	0	450	0	0	0	0	0	0	0	450
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	<0.0050	0	0	<0.0050	0	0	<0.0050	0	0	<0.0050	0	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0.0025	0	0	0.0025	0	0	0.0025	0	0	0.0025	0	0.0025
Total Cadmium	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Cadmium	UG/L	Maximum	0	0.034	0	0	0.19	<0.010	0	0.34	0	0	0.11	0	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	0.034	0	0	0.19	0.005	0	0.34	0	0	0.11	0	0.34
Total Chromium	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Chromium	UG/L	Maximum	0	5.4	0	0	22	15	0	30	0	0	5.8	0	30
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	5.4	0	0	22	15	0	30	0	0	5.8	0	30
Total Hexavalent Chromium	UG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
Total Hexavalent Chromium	UG/L	Maximum	0	<0.50	0	0	<0.50	0	0	<0.50	0	0	<0.50	0	<0.50
Total Hexavalent Chromium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	UG/L	Monthly Average	0	0.25	0	0	0.25	0	0	0.25	0	0	0.25	0	0.25
Total Copper	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Copper	UG/L	Maximum	0	4.5	0	0	5.3	<0.50	0	17	0	0	11	0	17
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	4.5	0	0	5.3	0.25	0	17	0	0	11	0	17
Total Iron	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Iron	UG/L	Maximum	0	22000	0	0	35000	45000	0	240000	0	0	18000	0	240000
Total Iron	UG/L	Exceedance(>15000)	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Iron	UG/L	Monthly Average	0	22000	0	0	35000	45000	0	240000	0	0	18000	0	240000
Total Mercury	UG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
Total Mercury	UG/L	Maximum	0	0.013	0	0	0.018	0	0	0.018	0	0	0.028	0	0.028
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	0.013	0	0	0.018	0	0	0.018	0	0	0.028	0	0.028
Total Nickel	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Nickel	UG/L	Maximum	0	13	0	0	31	<2.0	0	27	0	0	13	0	31
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	13	0	0	31	1	0	27	0	0	13	0	31
Orthophosphate	MG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
Orthophosphate	MG/L	Maximum	0	<0.010	0	0	0.012	0	0	<0.010	0	0	0.041	0	0.041
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	0.005	0	0	0.012	0	0	0.005	0	0	0.041	0	0.041



TABLE 15 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2020 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Lead	UG/L	Maximum	0	0.7	0	0	6.6	<0.50	0	23	0	0	7.3	0	23
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	0.7	0	0	6.6	0.25	0	23	0	0	7.3	0	23
pH	PH UNITS	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
pH	PH UNITS	Maximum	0	7.39	0	0	6.96	0	0	7.36	0	0	7.25	0	7.39
pH	PH UNITS	Minimum	0	7.39	0	0	6.96	0	0	7.36	0	0	7.25	0	6.96
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	1	0	0	1	0	0	1	0	4
Phenolics	MG/L	Maximum	0	0.0077	0	0	0.089	0	0	0.03	0	0	0.048	0	0.089
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	0.0077	0	0	0.089	0	0	0.03	0	0	0.048	0	0.089
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0.2	0	0	0.31	0	0	0.54	0	0	0.3	0	0.54
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	0.2	0	0	0.31	0	0	0.54	0	0	0.3	0	0.54
Total Suspended Solids	MG/L	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
Total Suspended Solids	MG/L	Maximum	0	57	0	0	110	0	0	1900	0	0	60	0	1900
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	57	0	0	110	0	0	1900	0	0	60	0	1900
Total Zinc	UG/L	# of Samples	0	1	0	0	1	1	0	1	0	0	1	0	5
Total Zinc	UG/L	Maximum	0	26	0	0	750	300	0	1400	0	0	78	0	1400
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	1	0	0	1	0	0	0	0	2
Total Zinc	UG/L	Monthly Average	0	26	0	0	750	300	0	1400	0	0	78	0	1400

**TABLE 16: Corner Brook Pulp and Paper 2020 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	4	4	5	4	4	5	4	5	4	4	5	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	5	4	4	5	4	5	4	4	5	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	7.27	0	0	7.58	0	0	7.56	0	0	7.35	0	0	7.58
pH	PH UNITS	Minimum	7.27	0	0	7.58	0	0	7.56	0	0	7.35	0	0	7.27
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 2020 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	4	4	5	4	4	5	4	5	4	4	5	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	4	4	4	5	4	5	4	4	5	4	51
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	1	0	0	0	0	0	0	0	0	0	1
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	7.11	0	0	7.36	0	0	7.12	0	0	7.43	0	0	7.43
pH	PH UNITS	Minimum	7.11	0	0	7.36	0	0	7.12	0	0	7.43	0	0	7.11
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 18: Corner Brook Pulp and Paper 2020 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	29	31	30	31	30	31	31	30	31	30	31	366
TSS	Tonnes/ Day	Maximum	1.4482	1.9473	2.3634	1.0688	2.8905	2.2578	2.8732	2.0843	1.9634	1.0979	1.6239	3.0473	3.0473
TSS	Tonnes/ Day	Exceedance (>15.66)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	Tonnes/ Day	Average	0.7919	1.3716	1.1223	0.5151	1.7032	1.0452	1.5245	0.8840	0.9969	0.5663	0.6966	1.1630	1.7032
TSS	Tonnes/ Day	Exceedance (>9.39)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	14	12	13	14	12	13	14	12	14	13	12	15	158
BOD	Tonnes/ Day	Maximum	0.3565	0.8469	0.9686	0.5516	0.8178	0.8458	0.8592	0.4002	0.4724	0.5371	0.2989	0.6196	0.9686
BOD	Tonnes/ Day	Exceedance (>10.44)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	0.2114	0.4982	0.4237	0.3311	0.6238	0.4924	0.5596	0.2092	0.2839	0.2168	0.2156	0.2543	0.6238
BOD	Tonnes/ Day	Exceedance (>6.26)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 19: Country Ribbon Incorporated (White Hills Road) 2020 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	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	<50	0	0	<50	0	0	<50	0	0	<50	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	25	0	0	25	0	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	4	4	4	4	3	4	5	3	4	4	4	5	48
Biochemical Oxygen Demand	MG/L	Maximum	900	360	350	730	670	460	750	720	830	650	700	550	900
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	4	2	1	2	3	4	5	2	4	4	4	5	40
Biochemical Oxygen Demand	MG/L	Monthly Average	597.5	287.5	252.5	402.5	490.0	392.5	482.0	466.7	697.5	557.5	557.5	492.0	697.5
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.042	0	0	0.052	0	0	0.037	0	0	0.059	0	0	0.059
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	0.042	0	0	0.052	0	0	0.037	0	0	0.059	0	0	0.059
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	2.6	0	0	3.7	0	0	1.9	0	0	2.3	0	0	3.7
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	2.6	0	0	3.7	0	0	1.9	0	0	2.3	0	0	3.7
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	74	0	0	85	0	0	64	0	0	170	0	0	170
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	74	0	0	85	0	0	64	0	0	170	0	0	170
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	440	0	0	350	0	0	340	0	0	470	0	0	470
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	440	0	0	350	0	0	340	0	0	470	0	0	470
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
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	2.2	0	0	2.6	0	0	<2.0	0	0	4.4	0	0	4.4
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	2.2	0	0	2.6	0	0	1	0	0	4.4	0	0	4.4
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	4.3	0	0	3.6	0	0	2.8	0	0	3.7	0	0	4.3
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	4.3	0	0	3.6	0	0	2.8	0	0	3.7	0	0	4.3
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	<0.50	0	0	<0.50	0	0	0.74	0	0	1.3	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	0.25	0	0	0.25	0	0	0.74	0	0	1.3	0	0	1.3
pH	PH UNITS	# of Samples	5	4	4	5	3	4	6	3	4	5	4	5	52
pH	PH UNITS	Maximum	6.9	6.94	6.78	6.71	6.53	6.71	6.82	6.59	6.68	6.67	6.48	6.82	6.94
pH	PH UNITS	Minimum	6.47	6.57	6.62	6.35	6.46	6.37	6.44	6.53	6.3	6.53	6.39	6.56	6.3
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	0.033	0	0	0.01	0	0	0.0098	0	0	0.016	0	0	0.033
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.033	0	0	0.01	0	0	0.0098	0	0	0.016	0	0	0.033

**TABLE 19 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2020 Post DAF Sampling**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Oil and Grease	MG/L	# of Samples	4	4	4	4	3	4	5	3	4	4	4	5	48
Total Oil and Grease	MG/L	Maximum	150	69	58	130	140	110	180	190	270	170	120	86	270
Total Oil and Grease	MG/L	Exceedance(>100)	2	0	0	1	1	1	3	2	3	2	1	0	16
Total Oil and Grease	MG/L	Monthly Average	93.8	42.0	46.8	75.8	103.7	95.3	107.2	119.7	165.8	111.8	79.0	70.6	165.8
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	3	4	5	3	4	4	4	5	48
Total Suspended Solids	MG/L	Maximum	650	180	200	410	410	280	420	410	540	460	420	310	650
Total Suspended Solids	MG/L	Exceedance(>350)	2	0	0	1	1	0	1	1	2	1	1	0	10
Total Suspended Solids	MG/L	Monthly Average	380.0	155.0	143.5	232.5	283.3	215.0	254.0	306.7	385.0	315.0	292.5	280.0	385.0
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	69	0	0	6500	0	0	65	0	0	160	0	0	6500
Total Zinc	UG/L	Exceedance(>500)	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Monthly Average	69	0	0	6500	0	0	65	0	0	160	0	0	6500

**TABLE 20: DJ Composites 2020 Effluent**

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	0	0	0	0	0	0	0	1	0	2
Total Boron	UG/L	Maximum	520	0	0	0	0	0	0	0	0	0	<50	0	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	520	0	0	0	0	0	0	0	0	0	25	0	520
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	<2.0	0	0	0	0	0	0	0	0	0	<2.0	0	<2.0
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	1	0	0	0	0	0	0	0	0	0	1	0	1
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0.062	0	0	0	0	0	0	0	0	0	0.022	0	0.062
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.062	0	0	0	0	0	0	0	0	0	0.022	0	0.062
Total Cadmium	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Cadmium	UG/L	Maximum	0.17	0	0	0	0	0	0	0	0	0	<0.010	0	0.17
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	0.17	0	0	0	0	0	0	0	0	0	0.005	0	0.17
Total Chromium	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Chromium	UG/L	Maximum	31	0	0	0	0	0	0	0	0	0	36	0	36
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	31	0	0	0	0	0	0	0	0	0	36	0	36
Total Hexavalent Chromium	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Hexavalent Chromium	UG/L	Maximum	<0.50	0	0	0	0	0	0	0	0	0	<0.50	0	<0.50
Total Hexavalent Chromium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	UG/L	Monthly Average	0.25	0	0	0	0	0	0	0	0	0	0.25	0	0.25
Total Copper	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Copper	UG/L	Maximum	<0.50	0	0	0	0	0	0	0	0	0	<0.50	0	<0.50
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	0.25	0	0	0	0	0	0	0	0	0	0.25	0	0.25
Total Iron	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Iron	UG/L	Maximum	<50	0	0	0	0	0	0	0	0	0	<50	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	25	0	0	0	0	0	0	0	0	0	25	0	25
Total Mercury	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Mercury	UG/L	Maximum	0.017	0	0	0	0	0	0	0	0	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	0.017	0	0	0	0	0	0	0	0	0	0.013	0	0.017
Total Nickel	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Nickel	UG/L	Maximum	<2.0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	1	0	1
Orthophosphate	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Orthophosphate	MG/L	Maximum	0.94	0	0	0	0	0	0	0	0	0	0.13	0	0.94
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.94	0	0	0	0	0	0	0	0	0	0.13	0	0.94
Total Lead	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Lead	UG/L	Maximum	12	0	0	0	0	0	0	0	0	0	15	0	15
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	12	0	0	0	0	0	0	0	0	0	15	0	15

**TABLE 20 CONTINUED: DJ Composites 2020 Effluent**

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	0	0	0	0	0	1	2
pH	PH UNITS	Maximum	8.51	0	0	0	0	0	0	0	0	0	0	8.62	8.62
pH	PH UNITS	Minimum	8.51	0	0	0	0	0	0	0	0	0	0	8.62	8.51
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	0	0	0	0	1	0	2
Phenolics	MG/L	Maximum	0.048	0	0	0	0	0	0	0	0	0	<0.0010	0	0.048
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.048	0	0	0	0	0	0	0	0	0	0.0005	0	0.048
Total Oil and Grease	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Oil and Grease	MG/L	Maximum	2.1	0	0	0	0	0	0	0	0	0	<0.50	0	2.1
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	2.1	0	0	0	0	0	0	0	0	0	0.25	0	2.1
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	0.74	0	0	0	0	0	0	0	0	0	<0.090	0	0.74
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	0.74	0	0	0	0	0	0	0	0	0	0.045	0	0.74
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Suspended Solids	MG/L	Maximum	15	0	0	0	0	0	0	0	0	0	4.8	0	15
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	15	0	0	0	0	0	0	0	0	0	4.8	0	15
Total Zinc	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Zinc	UG/L	Maximum	93	0	0	0	0	0	0	0	0	0	120	0	120
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	93	0	0	0	0	0	0	0	0	0	120	0	120

**TABLE 21: Department of Industry, Energy and Technology (Buchans) 2020 PH1& PH2 Combined**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.002	0	0	0.002
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	0.002	0	0	0.002
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.03	0	0	0.03
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	0.03	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.01	0	0	0.01
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	0.01	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.0416	0	0	0.0416
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	0	0.0416	0	0	0.0416
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<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	0	0	0	0	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
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	0.1	0	0	0.1
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.06	0	0	0.06
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	0	0.06	0	0	0.06
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.005	0	0	<0.005
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	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.84	0	0	0.84
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	0	0	0.84	0	0	0.84
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.002	0	0	0.002
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	0.002	0	0	0.002
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	6.8	0	0	6.8
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	6.8	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

**TABLE 21 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2020 PH1& PH2 Combined**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.004	0	0	0.004
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	0	0.004	0	0	0.004
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	272	0	0	272
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	272	0	0	272
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<2	0	0	<2
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	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	15.8	0	0	15.8
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	15.8	0	0	15.8

**TABLE 22: Department of Industry, Energy and Technology (Buchans) 2020 Site 1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.005	0	0	0.005
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	0.005	0	0	0.005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.27	0	0	0.27
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	0.27	0	0	0.27
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.01	0	0	0.01
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	0.01	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.0054	0	0	0.0054
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	0	0.0054	0	0	0.0054
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.003	0	0	0.003
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	0.003	0	0	0.003
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.016	0	0	0.016
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	0.016	0	0	0.016
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.6	0	0	0.6
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	0	0.6	0	0	0.6



TABLE 22 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2020 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.005	0	0	<0.005
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	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.10	0	0	<0.10
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	0	0	0.05	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.325	0	0	0.325
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.325	0	0	0.325
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.51	0	0	7.51
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.51	0	0	7.51
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	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	0	0.0005	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	124	0	0	124
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	124	0	0	124
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	32	0	0	32
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	32	0	0	32
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	1.7	0	0	1.7
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	1.7	0	0	1.7

**TABLE 23: Department of Industry, Energy and Technology (Buchans) 2020 Site 12**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.001	0	0	0.001
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	0.001	0	0	0.001
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.07	0	0	0.07
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	0.07	0	0	0.07
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.01	0	0	<0.01
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	0.005	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.082	0	0	0.082
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.082	0	0	0.082
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<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	0	0	0	0	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.531	0	0	0.531
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.531	0	0	0.531
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.33	0	0	0.33
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	0	0.33	0	0	0.33
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.008	0	0	0.008
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	0	0.008	0	0	0.008
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.3	0	0	0.3
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	0	0	0.3	0	0	0.3
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.385	0	0	0.385
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.385	0	0	0.385
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.13	0	0	7.13
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.13	0	0	7.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 23 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2020 Site 12**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.003	0	0	0.003
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	0	0.003	0	0	0.003
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	309	0	0	309
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	309	0	0	309
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	4	0	0	4
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	0	0	0	0	0	0	4	0	0	4
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	21.4	0	0	21.4
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	21.4	0	0	21.4

**TABLE 24: Department of Industry, Energy and Technology (Buchans) 2020 Site 17**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<0.001
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	0.0005	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.02	0	0	0.02
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	0.02	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.05	0	0	0.05
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	0.05	0	0	0.05
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.0007	0	0	0.0007
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	0	0.0007	0	0	0.0007
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<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	0	0	0	0	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.002	0	0	0.002
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	0.002	0	0	0.002
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.39	0	0	0.39
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	0	0.39	0	0	0.39

TABLE 24 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2020 Site 17

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.005	0	0	<0.005
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	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.10	0	0	<0.10
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	0	0	0.05	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<0.001
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	0.0005	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	8.26	0	0	8.26
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	8.26	0	0	8.26
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	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	0	0.0005	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	763	0	0	763
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	763	0	0	763
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<2	0	0	<2
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	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	1.8	0	0	1.8
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	1.8	0	0	1.8

**TABLE 25: Department of Industry, Energy and Technology (Buchans) 2020 Site 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<0.001
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	0.0005	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.6	0	0	0.6
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	0.6	0	0	0.6
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.01	0	0	<0.01
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	0.005	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.0026	0	0	0.0026
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	0	0.0026	0	0	0.0026
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<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	0	0	0	0	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.013	0	0	0.013
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	0.013	0	0	0.013
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.12	0	0	0.12
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	0	0.12	0	0	0.12
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.005	0	0	<0.005
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	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.10	0	0	<0.10
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	0	0	0.05	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.066	0	0	0.066
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	0.066	0	0	0.066
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.27	0	0	7.27
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.27	0	0	7.27
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 25 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2020 Site 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	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	0	0.0005	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	42	0	0	42
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	42	0	0	42
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<2	0	0	<2
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	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.65	0	0	0.65
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.65	0	0	0.65

**TABLE 26: Department of Industry, Energy and Technology (Hope Brook) 2020 BHB#6**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0.002	0	0	0	0.002
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	0.002	0	0	0	0.002
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.03	0	0	0	0.03
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	0.03	0	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.0004	0	0	0	0.0004
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	0.0004	0	0	0	0.0004
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.107	0	0	0	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	0	0	0	0	0	0	0	0.107	0	0	0	0.107
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.05	0	0	0	0.05
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	0.05	0	0	0	0.05
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0.33	0	0	0	0.33
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	0	0.33	0	0	0	0.33
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.12	0	0	0	7.12
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.12	0	0	0	7.12
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 26 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 BHB#6**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.004	0	0	0	0.004
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	0.004	0	0	0	0.004
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	121	0	0	0	121
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	121	0	0	0	121
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	3	0	0	0	3
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	0	0	0	0	0	3	0	0	0	3
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0.05	0	0	0	0.05
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	0.05	0	0	0	0.05

**TABLE 27: Department of Industry, Energy and Technology (Hope Brook) 2020 Banana Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.02	0	0	0	0.02
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	0.02	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.02	0	0	0	0.02
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	0.02	0	0	0	0.02
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.024	0	0	0	0.024
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	0.024	0	0	0	0.024
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.22	0	0	0	0.22
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	0.22	0	0	0	0.22



**TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Banana Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0.14	0	0	0	0.14
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	0	0.14	0	0	0	0.14
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.48	0	0	0	7.48
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.48	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	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	105	0	0	0	105
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	105	0	0	0	105
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	<2	0	0	0	<2
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	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**TABLE 28: Department of Industry, Energy and Technology (Hope Brook) 2020 Catch Basin**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.006	0	0	0	0.006
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	0.006	0	0	0	0.006
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.23	0	0	0	0.23
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	0.23	0	0	0	0.23
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.10	0	0	0	<0.10
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	0	0.05	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.53	0	0	0	7.53
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.53	0	0	0	7.53
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Catch Basin**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	339	0	0	0	339
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	339	0	0	0	339
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	<2	0	0	0	<2
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	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**TABLE 29: Department of Industry, Energy and Technology (Hope Brook) 2020 Inlet to BHB**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.006	0	0	0	0.006
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	0.006	0	0	0	0.006
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.23	0	0	0	0.23
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	0.23	0	0	0	0.23

**TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Inlet to BHB**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.10	0	0	0	<0.10
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	0	0.05	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.31	0	0	0	7.31
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.31	0	0	0	7.31
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	62	0	0	0	62
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	62	0	0	0	62
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	<2	0	0	0	<2
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	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**TABLE 30: Department of Industry, Energy and Technology (Hope Brook) 2020 Open Pit Spillway**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.002	0	0	0	0.002
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	0.002	0	0	0	0.002
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	1.35	0	0	0	1.35
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	1.35	0	0	0	1.35
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.10	0	0	0	<0.10
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	0	0.05	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.85	0	0	0	7.85
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.85	0	0	0	7.85
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Open Pit Spillway**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	810	0	0	0	810
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	810	0	0	0	810
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	4	0	0	0	4
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	0	0	0	0	0	4	0	0	0	4
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**TABLE 31: Department of Industry, Energy and Technology (Hope Brook) 2020 Pine Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.03	0	0	0	0.03
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	0.03	0	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.007	0	0	0	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	0.007	0	0	0	0.007
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.2	0	0	0	0.2
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	0.2	0	0	0	0.2

**TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Pine Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.10	0	0	0	<0.10
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	0	0.05	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	6.75	0	0	0	6.75
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	6.75	0	0	0	6.75
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	37	0	0	0	37
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	37	0	0	0	37
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	<2	0	0	0	<2
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	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**TABLE 32: Department of Industry, Energy and Technology (Hope Brook) 2020 Polish Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.03	0	0	0	0.03
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	0.03	0	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
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	0.01	0	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
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	0.00005	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<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	0	0	0	0	0	0	0	0.0005	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0.013	0	0	0	0.013
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	0.013	0	0	0	0.013
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0.19	0	0	0	0.19
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	0.19	0	0	0	0.19
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.0001	0	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.00005	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.005	0	0	0	<0.005
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	0.0025	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.10	0	0	0	<0.10
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	0	0.05	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	0	<0.001
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	0.0005	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	6.84	0	0	0	6.84
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	6.84	0	0	0	6.84
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0



**TABLE 32 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2020 Polish Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	47	0	0	0	47
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	47	0	0	0	47
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	<2	0	0	0	<2
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	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.01	0	0	0	<0.01
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	0.005	0	0	0	0.005

**Table 33: Department of Industry, Energy and Technology (Gullbridge) 2020 Below Berm**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<0.001
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	0.0005	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.02	0	0	0.02
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	0.02	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.04	0	0	0.04
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	0.04	0	0	0.04
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.0001	0	0	0.0001
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	0	0.0001	0	0	0.0001
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<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	0	0	0	0	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.04	0	0	0.04
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	0.04	0	0	0.04
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.18	0	0	0.18
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	0	0.18	0	0	0.18
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.0001	0	0	<0.0001
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.00005	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.03	0	0	0.03
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	0	0.03	0	0	0.03
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.10	0	0	<0.10
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	0	0	0.05	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	0	<0.001
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	0.0005	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.63	0	0	7.63
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.63	0	0	7.63
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table 33 CONTINUED: Department of Industry, Energy and Technology (Gullbridge) 2020 Below Berm**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.001	0	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	0	0.0005	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	276	0	0	276
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	276	0	0	276
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<2	0	0	<2
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	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.01	0	0	0.01
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	0.01	0	0	0.01

**TABLE 34: Department of Transportation and Infrastructure (Grand Falls) 2020 North Sewer**

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	0	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	7.39	0	0	0	7.39
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	7.39	0	0	0	7.39
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	0	0	0	0	0	0	0	0	1	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.090	0	0	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	0	0	0	0	0.045	0	0	0	0.045

**TABLE 35: Envirosystems 2020 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	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Boron	UG/L	Maximum	<50	<50	<50	<50	<50	92	120	<50	<50	<50	<50	<50	120
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	25	25	25	25	47.3	50.4	25	25	25	25	25	50.4
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0.02	0.038	0.023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.038
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0083	0.0380	0.0093	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0380
Total Cadmium	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Cadmium	UG/L	Maximum	0.02	0.1	0.053	0.27	0.12	0.25	0.33	0.23	0.19	0.24	0.023	0.024	0.33
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	0.020	0.071	0.029	0.187	0.120	0.203	0.210	0.225	0.190	0.093	0.011	0.011	0.225
Total Chromium	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Chromium	UG/L	Maximum	1.1	1.2	<1.0	1.3	<1.0	1.8	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	1.8
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	1.10	0.85	0.50	0.77	0.50	0.93	0.78	0.50	0.50	0.50	0.50	0.50	1.10
Total Copper	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Copper	UG/L	Maximum	2.3	3.5	2.7	25	<0.50	31	46	31	26	52	6	2.1	52
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	2.30	3.05	1.48	14.37	0.25	24.33	27.80	29.50	26.00	15.58	3.38	0.87	29.50
Total Iron	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Iron	UG/L	Maximum	2000	400	900	3100	1500	2900	4400	2300	3300	4000	850	270	4400
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	2000	380	775	2000	1500	2633.3	2560	1950	3300	1712	428.3	106.7	3300
Total Mercury	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	0.035	<0.013	0.045	0.072	0.063	0.037	0.043	<0.013	<0.013	0.072
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	0.0245	0.0065	0.034	0.0478	0.0625	0.037	0.0201	0.0065	0.0065	0.0625
Total Nickel	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Nickel	UG/L	Maximum	9.2	<2.0	3.4	13	<2.0	42	29	<2.0	20	30	2.3	10	42
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	9.2	1	2.2	5	1	27	13.4	1	20	9.98	1.43	4	27
Total Lead	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Lead	UG/L	Maximum	0.56	1.5	0.59	13	<0.50	11	22	10	12	22	0.77	0.96	22
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	0.56	1.25	0.42	7.58	0.25	8.7	11.7	9.8	12	6.718	0.42	0.49	12

TABLE 35 CONTINUED: EnviroSystems 2020 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
pH	PH UNITS	Maximum	7.14	7.11	7.14	7.17	7.28	7.39	7.41	6.99	6.86	7.74	7.5	7.21	7.74
pH	PH UNITS	Minimum	7.14	7.03	7.13	6.92	7.28	7.13	6.54	6.78	6.86	6.98	7.26	7.16	6.54
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	2	2	3	1	3	5	2	1	5	3	3	31
Phenolics	MG/L	Maximum	0.0065	0.0016	0.013	0.076	0.0044	0.077	0.068	0.025	0.023	0.018	0.002	<0.0010	0.077
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0065	0.0014	0.009	0.05	0.0044	0.068	0.0414	0.0235	0.023	0.0057	0.0014	0.0005	0.068
Total Phosphates as P2O5	MG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Phosphates as P2O5	MG/L	Maximum	<0.050	<0.050	<0.050	0.41	0.13	0.16	0.25	0.2	0.23	0.25	<0.050	<0.050	0.41
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	0.025	0.025	0.025	0.178	0.13	0.137	0.16	0.16	0.23	0.0762	0.025	0.025	0.23
TPH (Atlantic PIRI)	MG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
TPH (Atlantic PIRI)	MG/L	Maximum	1.4	0.64	0.55	4.2	6.1	4	11	8.5	4	2.6	0.46	0.61	11
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	1.4	0.595	0.55	2.807	6.1	3.4	7.58	6.8	4	1.138	0.35	0.412	7.58
Total Suspended Solids	MG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Suspended Solids	MG/L	Maximum	6.4	3.6	6	11	6	30	32	19	16	19	<0.50	2.9	32
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	6.4	1.925	4.4	7.8	6	24.33	20.4	14	16	7.76	0.25	2.43	24.33
Total Zinc	UG/L	# of Samples	1	2	2	3	1	3	5	2	1	5	3	3	31
Total Zinc	UG/L	Maximum	23	18	58	78	<5.0	110	100	81	86	35	25	34	110
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	23	16	36.5	66	2.5	87	64.6	41.75	86	19.6	10	13	87

**TABLE 36: Husky Oil Operations-Atlantic (Argentina) 2020 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	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	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 Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	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 Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Barium	UG/L	Maximum	44	48	45	45	49	51	50	50	48	47	47	48	51
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	44	48	45	45	49	51	50	50	48	47	47	48	51
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	3400	3400	3300	3400	3000	3200	3500	3600	3300	3400	3600	3800	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	3400	3400	3300	3400	3000	3200	3500	3600	3300	3400	3600	3800	3800
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	0.72	0.82	0.72	0.66	0.62	0.67	0.66	0.65	0.73	0.74	0.83	0.76	0.83
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	0.72	0.82	0.72	0.66	0.62	0.67	0.66	0.65	0.73	0.74	0.83	0.76	0.83
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
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	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	<0.50	<0.50	<0.50	5.4	<0.50	7.2	<0.50	7.9	8.4	7.5	<0.50	11	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	0.25	0.25	0.25	5.4	0.25	7.2	0.25	7.9	8.4	7.5	0.25	11	11
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Iron	UG/L	Maximum	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<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	25	25	25	25	25	25	25	25	25	25	25	25	25
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	<0.013	<0.013	0.013	0.015	<0.013	0.015
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	0.013	0.015	0.0065	0.015
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	64	64
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	1	1	1	1	1	1	1	1	1	1	64	64
Ammonium+Ammonia Total	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium+Ammonia Total	MG/L	Maximum	4.4	4.1	4.3	5	4.1	3.9	4.1	4.1	3.9	3.6	3.8	3.9	5
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium+Ammonia Total	MG/L	Monthly Average	4.4	4.1	4.3	5	4.1	3.9	4.1	4.1	3.9	3.6	3.8	3.9	5
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Nitrate, filtered, reactive	MG/L	Maximum	0.16	0.29	0.13	0.1	0.17	0.15	0.17	0.19	0.19	0.18	0.27	0.21	0.29
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	0.16	0.29	0.13	0.1	0.17	0.15	0.17	0.19	0.19	0.18	0.27	0.21	0.29

TABLE 36 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2020 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	<0.010	<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	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	4	4	5	4	5	4	4	5	4	4	5	52
pH	PH UNITS	Maximum	7.58	7.59	7.66	8	7.68	7.73	7.61	7.65	7.79	7.65	7.67	7.65	8
pH	PH UNITS	Minimum	7.55	7.51	7.58	7.56	7.46	7.56	7.6	7.62	7.61	7.47	7.6	7.62	7.46
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	0.0024	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	<0.0010	<0.0010	0.0024
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0024	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0013	0.0005	0.0005	0.0024
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
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	1000	1000	0	1000	0	0	1000
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	1000	1000	0	1000	0	0	1000
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	<0.10	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.10
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	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.05
Total Suspended Solids	MG/L	# of Samples	4	4	4	5	4	5	4	4	5	4	4	5	52
Total Suspended Solids	MG/L	Maximum	2.8	3.2	3.8	6.8	4.4	2.6	37	3	3.6	1.8	4.6	12	37
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	2.15	2	2.65	4.08	2.4625	1.96	10.35	2.15	2.2	1.2625	2.3	4.32	10.35
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	88	<5.0	<5.0	<5.0	88
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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	88	2.5	2.5	2.5	88

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

**TABLE 37: Husky Oil Operations-Atlantic (Argentina) 2020 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	1	1	1	1	12
Total Silver	UG/L	Maximum	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	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 Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	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 Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Barium	UG/L	Maximum	100	110	100	100	100	98	100	96	95	95	96	95	110
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	100	110	100	100	100	98	100	96	95	95	96	95	110
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	2100	2100	2300	2100	2100	2100	2200	2100	2200	2000	2100	2100	2300
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	2100	2100	2300	2100	2100	2100	2200	2100	2200	2000	2100	2100	2300
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	1.1	1.3	1.2	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.3
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	1.3	1.2	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.3
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
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	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	<0.50	<0.50	8.4	6.2	<0.50	<0.50	8.4
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	0.25	0.25	0.25	0.25	0.25	5.2	0.25	0.25	8.4	6.2	0.25	0.25	8.4
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Iron	UG/L	Maximum	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<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	25	25	25	25	25	25	25	25	25	25	25	25	25
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	0.022	<0.013	0.013	0.018	0.013	<0.013	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	0.013	0.0065	0.0065	0.0065	0.0065	0.0065	0.022	0.0065	0.013	0.018	0.013	0.0065	0.022
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium+Ammonia Total	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium+Ammonia Total	MG/L	Maximum	6	6	6	6.8	5.9	6.2	5.8	5.7	5.6	5.6	5.6	5.7	6.8
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium+Ammonia Total	MG/L	Monthly Average	6	6	6	6.8	5.9	6.2	5.8	5.7	5.6	5.6	5.6	5.7	6.8
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Nitrate, filtered, reactive	MG/L	Maximum	0.19	0.16	0.15	0.13	0.21	0.18	0.18	0.19	0.19	0.21	0.19	0.13	0.21
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	0.19	0.16	0.15	0.13	0.21	0.18	0.18	0.19	0.19	0.21	0.19	0.13	0.21



**TABLE 37 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2020 Settlement Pond #2 Weir**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	0.021	<0.010	<0.010	<0.010	<0.010	<0.010	0.021
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	0.021	0.005	0.005	0.005	0.005	0.005	0.021
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	4	4	5	4	5	4	4	5	4	4	5	52
pH	PH UNITS	Maximum	7.58	7.6	7.56	7.76	7.74	7.66	7.61	7.67	7.81	7.69	7.74	7.7	7.81
pH	PH UNITS	Minimum	7.43	7.47	7.49	7.55	7.46	7.54	7.57	7.54	7.57	7.53	7.52	7.63	7.43
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	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0014	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0014
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
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	4000	5000	3000	1000	4000	3000	5000	3000	3000	3000	3000	5000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	0	1	1	1	1	1	1	1	11
Calculated TDS	MG/L	Monthly Average	3000	4000	5000	3000	1000	4000	3000	5000	3000	3000	3000	3000	5000
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	<0.10	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.10
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	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.05
Total Suspended Solids	MG/L	# of Samples	4	4	4	5	4	5	4	4	5	4	4	5	52
Total Suspended Solids	MG/L	Maximum	2	1.2	1.6	4.6	8.2	1.8	1.4	1.8	3.6	1.8	5.6	3.8	8.2
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	1.1125	1.05	1.3	2.37	3	1.21	0.9625	1.0125	1.45	1.0125	1.825	1.5	3
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	85	<5.0	<5.0	<5.0	85
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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	85	2.5	2.5	2.5	85

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

**TABLE 38: Iron Ore Company of Canada (Labrador City) 2020 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	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
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
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0015	0.0017	0.0013	0.0016	0.0024	0.0026	0.001	0.0026
Total Arsenic	MG/L	Exceedance(>1.0)	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	0.0010	0.0009	0.0008	0.0014	0.0012	0.0010	0.0006	0.0014
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Copper	MG/L	Maximum	0.0007	<0.0005	<0.0005	0.0014	0.0022	0.0017	0.0007	0.0030	0.0017	0.0022	0.0046	0.0044	0.0046
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	0.0004	0.0003	0.0003	0.0007	0.0012	0.0012	0.0005	0.0018	0.0008	0.0014	0.0014	0.0019	0.0019
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Nickel	MG/L	Maximum	<0.002	<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 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	4	5	4	4	5	4	5	4	4	5	4	52
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(>0.4)	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	4	5	4	4	5	4	5	4	4	5	4	52
pH	PH UNITS	Maximum	7.97	8.09	8.05	8.04	8.14	8.15	8.1	8.13	8.22	8.14	8.11	8.06	8.22
pH	PH UNITS	Minimum	7.84	7.93	7.82	7.86	7.97	7.99	7.86	8.04	8.04	7.93	7.86	7.93	7.82
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	4	5	4	4	5	4	5	4	4	5	4	52
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
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Suspended Solids	MG/L	Maximum	3.7	5.7	0.7	2.3	6.1	2.2	1.4	1.5	1.4	1.6	1.8	3.5	6.1
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	2.40	2.06	0.55	1.30	3.13	1.70	0.94	0.81	0.85	0.96	1.16	1.36	3.13
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0.0068	<0.0050	<0.0050	<0.0050	<0.0050	0.0081	<0.0050	<0.0050	<0.0050	0.0081
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	0.0025	0.003575	0.0025	0.0025	0.0025	0.0025	0.0039	0.0025	0.0025	0.0025	0.0039

**TABLE 39: Iron Ore Company of Canada (Labrador City) 2020 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	0	0	0	1	1	1	1	1	1	1	1	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	1	1	1	1	1	1	1	1	9
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	1	1	1	1	1	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	1	1	1	1	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 39 CONTINUED: Iron Ore Company of Canada (Labrador City) 2020 FDP-MD30**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Arsenic	MG/L	Maximum	0	0	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	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	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Copper	MG/L	Maximum	0	0	0	0.0019	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	0.00055	0.00078	0.0019
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	0.00104	0.00025	0.00025	0.00025	0.00044	0.00025	0.00025	0.00031	0.00045	0.00104
Total Nickel	MG/L	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Nickel	MG/L	Maximum	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.004	<0.0020	0.004
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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0016	0.001	0.0016
Total Lead	MG/L	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Lead	MG/L	Maximum	0	0	0	0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00054
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00035	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00035
pH	PH UNITS	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
pH	PH UNITS	Maximum	0	0	0	8.15	8.2	8.3	8.43	8.49	8.42	8.37	8.29	8.33	8.49
pH	PH UNITS	Minimum	0	0	0	8.04	8.16	8.21	8.41	8.38	8.33	8.31	8.26	8.25	8.04
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	3	4	5	4	5	4	4	5	4	38
Radium-226	BQ/L	Maximum	0	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	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Suspended Solids	MG/L	Maximum	0	0	0	1.9	2.4	1.7	2	1.9	1.6	0.9	<3.0	3.9	3.9
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	1.27	1.60	0.77	0.99	0.98	1.35	0.65	0.86	1.90	1.90
Total Zinc	MG/L	# of Samples	0	0	0	3	4	5	4	5	4	4	5	4	38
Total Zinc	MG/L	Maximum	0	0	0	0.0075	<0.0050	<0.0050	<0.0050	0.006	0.0061	<0.0050	<0.0050	0.0052	0.0075
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	0.0042	0.0025	0.0025	0.0025	0.0038	0.0034	0.0025	0.0025	0.0032	0.0042

**TABLE 40: Iron Ore Company of Canada (Labrador City) 2020 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	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
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
Total Arsenic	MG/L	# of Samples	4	4	5	4	3	5	4	4	5	4	5	4	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(>1.0)	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	4	5	4	3	5	4	4	5	4	5	4	51
Total Copper	MG/L	Maximum	0.00081	0.0006	0.00062	0.0009	0.00074	0.00079	0.00071	<0.00050	<0.00050	0.0007	0.00059	0.0012	0.0012
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	0.0005	0.0005	0.0003	0.0005	0.0005	0.0005	0.0005	0.0003	0.0003	0.0006	0.0004	0.0006	0.0006

**TABLE 40 CONTINUED: Iron Ore Company of Canada (Labrador City) 2020 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	4	5	4	3	5	4	4	5	4	5	4	51
Total Nickel	MG/L	Maximum	<0.002	<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 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	4	5	4	3	5	4	4	5	4	5	4	51
Total Lead	MG/L	Maximum	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007
Total Lead	MG/L	Exceedance(>0.4)	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	4	5	4	3	5	4	4	5	4	5	4	51
pH	PH UNITS	Maximum	7.92	7.84	8.09	7.95	7.8	8.05	8.01	8.07	7.95	7.95	7.93	8.25	8.25
pH	PH UNITS	Minimum	7.59	7.68	7.71	7.83	7.64	7.23	7.7	7.83	7.82	7.86	7.71	7.53	7.23
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	4	5	4	3	5	4	4	5	4	5	4	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
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	3	5	4	4	5	4	5	4	51
Total Suspended Solids	MG/L	Maximum	16	0.7	0.7	1.7	2.4	2.4	2.9	2.8	7.3	2	1.6	2	16
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	4.84	0.45	0.48	0.75	1.60	1.56	1.50	1.33	2.42	1.45	0.98	1.33	4.84
Total Zinc	MG/L	# of Samples	4	4	5	4	3	5	4	4	5	4	5	4	51
Total Zinc	MG/L	Maximum	0.0052	<0.005	<0.005	0.0071	0.011	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	0.027	0.027
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	0.0032	0.0025	0.0025	0.0044	0.0053	0.0049	0.0025	0.0025	0.0025	0.0025	0.0025	0.0113	0.0113

**TABLE 41: Iron Ore Company of Canada (Labrador City) 2020 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	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	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	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	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	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Arsenic	MG/L	Exceedance(>1.0)	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	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Copper	MG/L	Maximum	0	0	0	0	0.0009	0.0007	0.0008	0.0006	0.0012	0.0006	0.0007	<0.0005	0.0012
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	0.0007	0.0004	0.0004	0.0004	0.0005	0.0005	0.0004	0.0003	0.0007
Total Nickel	MG/L	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Nickel	MG/L	Maximum	0	0	0	0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
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	0.001	0.001	0.001	0.001

**TABLE 41 CONTINUED: Iron Ore Company of Canada (Labrador City) 2020 FDP-W3-02**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Lead	MG/L	Exceedance(>0.4)	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	0.00025	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
pH	PH UNITS	Maximum	0	0	0	0	7.55	7.76	7.76	7.89	7.86	8.03	7.94	7.68	8.03
pH	PH UNITS	Minimum	0	0	0	0	7.43	7.59	7.57	7.8	7.79	7.82	7.55	7.68	7.43
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	3	5	4	5	4	4	4	1	30
Radium-226	BQ/L	Maximum	0	0	0	0	<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	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Suspended Solids	MG/L	Maximum	0	0	0	0	6.8	4	36	3.5	1.7	2.8	1.2	0.6	36
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	5.53	2.40	11.25	2.32	1.40	1.93	1.00	0.60	11.25
Total Zinc	MG/L	# of Samples	0	0	0	0	3	5	4	5	4	4	4	1	30
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<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	0	0	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

**TABLE 42: Iron Ore Company of Canada (Labrador City) 2020 MD5**

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	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.4	0	0	0	0	0	0	7.4
pH	PH UNITS	Minimum	0	0	0	0	0	7.4	0	0	0	0	0	0	7.4
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	3.8	0	0	0	0	0	0	3.8
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	0	0	0	0	0	3.8	0	0	0	0	0	0	3.8

**TABLE 43: Iron Ore Company of Canada (Labrador City) 2020 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	1	1	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	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	0	0	0	0	1	1	1	1	1	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	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	0	0	0	0	2	5	4	3	1	3	0	0	18
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	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	0.0005	0	0	0.0005

**TABLE 43 CONTINUED: Iron Ore Company of Canada (Labrador City) 2020 FDP-LLN**

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	2	5	4	3	1	3	0	0	18
Total Copper	MG/L	Maximum	0	0	0	0	0.0007	0.00091	0.00091	0.00085	<0.00050	0.00081	0	0	0.00091
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	0.00048	0.00078	0.00049	0.00045	0.00025	0.00065	0	0	0.00078
Total Nickel	MG/L	# of Samples	0	0	0	0	2	5	4	3	1	3	0	0	18
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<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	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	2	5	4	3	1	3	0	0	18
Total Lead	MG/L	Maximum	0	0	0	0	0.00081	<0.00050	<0.00050	<0.00050	<0.00050	0.00054	0	0	0.00081
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.00053	0.00025	0.00025	0.00025	0.00025	0.00035	0	0	0.00053
pH	PH UNITS	# of Samples	0	0	0	0	2	5	4	3	1	3	0	0	18
pH	PH UNITS	Maximum	0	0	0	0	8.15	8.3	8.36	8.41	8.28	8.47	0	0	8.47
pH	PH UNITS	Minimum	0	0	0	0	8.13	8.09	8.29	8.36	8.28	8.31	0	0	8.09
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	5	4	3	1	3	0	0	18
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<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	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	5	4	3	1	3	0	0	18
Total Suspended Solids	MG/L	Maximum	0	0	0	0	7.2	23	8.8	5.1	6	16	0	0	23
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	0	6.80	12.22	6.43	3.53	6.00	9.50	0	0	12.22
Total Zinc	MG/L	# of Samples	0	0	0	0	2	5	4	3	1	3	0	0	18
Total Zinc	MG/L	Maximum	0	0	0	0	0.054	0.061	0.016	0.0062	0.028	0.035	0	0	0.061
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	0.02825	0.01654	0.00988	0.00373	0.02800	0.02133	0	0	0.02825

**TABLE 44 Iron Ore Company of Canada (Labrador City) 2020 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	1	1	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	0	0	0	0	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	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	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.0011	0.0016	0	0	0	0	0	0	0.0016
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	0.0011	0.0016	0	0	0	0	0	0	0.0016

**TABLE 44 CONTINUED: Iron Ore Company of Canada (Labrador City) 2020 FDP-MP-06**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	0	0	0	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	0	0	0	0	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	<0.00050	<0.00050	0	0	0	0	0	0	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	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	0	0	0	0	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	7.37	7.43	0	0	0	0	0	0	7.43
pH	PH UNITS	Minimum	0	0	0	0	7.37	7.43	0	0	0	0	0	0	7.37
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	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	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	0.005	0	0	0	0	0	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	8.2	6.6	0	0	0	0	0	0	8.2
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	0	8.2	6.6	0	0	0	0	0	0	8.2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	0.024	0	0	0	0	0	0	0.024
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	0.024	0	0	0	0	0	0	0.024

**TABLE 45: Iron Ore Company of Canada (Labrador City) 2020 PD-11**

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	0	1	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	7.61	7.61	7.9	7.95	0	0	0	7.95
pH	PH UNITS	Minimum	0	0	0	0	0	7.61	7.61	7.9	7.95	0	0	0	7.61
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	1	1	1	0	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<0.50	<1.0	<0.50	<1.0	0	0	0	<1.0
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	0	0	0.25	0.5	0.25	0.5	0	0	0	0.5

**TABLE 46: Iron Ore Company of Canada (Labrador City) 2020 PD-19**

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	0	1	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	8.00	8.02	8.07	8.23	0	0	0	8.23
pH	PH UNITS	Minimum	0	0	0	0	0	8.00	8.02	8.07	8.23	0	0	0	8.00
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	1	1	1	0	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	1.3	<1.0	41	1.6	0	0	0	41
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	1.3	0.5	41	1.6	0	0	0	41

**TABLE 47: Iron Ore Company of Canada (Labrador City) 2020 PD-25**

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	0	1	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	8.02	7.88	8.17	7.96	0	0	0	8.17
pH	PH UNITS	Minimum	0	0	0	0	0	8.02	7.88	8.17	7.96	0	0	0	7.88
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	1	1	1	0	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	15000	<1.0	2	<1.0	0	0	0	15000
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	15000	0.5	2	0.5	0	0	0	15000



**TABLE 48: Labatt Breweries Newfoundland (St. John's) 2020 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	1	0	0	1	0	0	1	0	0	1	4
Total Boron	UG/L	Maximum	0	0	<50	0	0	<50	0	0	<50	0	0	<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	0	25	0	0	25	0	0	25	0	0	25	25
Biochemical Oxygen Demand	MG/L	# of Samples	3	4	4	5	4	4	5	5	3	4	3	5	49
Biochemical Oxygen Demand	MG/L	Maximum	1300	1900	2000	1700	1400	1800	1600	2000	1700	1300	1700	1100	2000
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	3	4	4	4	3	4	5	5	2	3	1	3	41
Biochemical Oxygen Demand	MG/L	Monthly Average	1086.7	1270.0	1395.0	964.0	760.3	1267.5	1174.0	1230.0	976.7	728.5	766.7	664.0	1395.0
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Cadmium	UG/L	Maximum	0	0	0.19	0	0	0.16	0	0	0.036	0	0	0.061	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	0	0.19	0	0	0.16	0	0	0.036	0	0	0.061	0.19
Total Chromium	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Chromium	UG/L	Maximum	0	0	21	0	0	14	0	0	5	0	0	16	21
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	21	0	0	14	0	0	5	0	0	16	21
Total Copper	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Copper	UG/L	Maximum	0	0	150	0	0	140	0	0	40	0	0	59	150
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	150	0	0	140	0	0	40	0	0	59	150
Total Iron	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Iron	UG/L	Maximum	0	0	940	0	0	1200	0	0	690	0	0	1100	1200
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	940	0	0	1200	0	0	690	0	0	1100	1200
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	0.063	0	0	0.05	0	0	0.053	0	0	0.025	0.063
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	0.063	0	0	0.05	0	0	0.053	0	0	0.025	0.063
Total Nickel	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Nickel	UG/L	Maximum	0	0	<2.0	0	0	8.7	0	0	4.2	0	0	7.4	8.7
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	1	0	0	8.7	0	0	4.2	0	0	7.4	8.7
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	4.6	0	0	4.1	0	0	2	0	0	0.23	4.6
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	1	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Monthly Average	0	0	4.6	0	0	4.1	0	0	2	0	0	0.23	4.6
Total Lead	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Lead	UG/L	Maximum	0	0	12	0	0	8.2	0	0	9.8	0	0	3.8	12
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	12	0	0	8.2	0	0	9.8	0	0	3.8	12
pH	PH UNITS	# of Samples	3	4	5	5	4	5	5	5	4	4	3	6	53
pH	PH UNITS	Maximum	9.70	9.76	6.49	10.70	6.93	6.22	6.72	6.55	6.76	6.89	7.06	7.04	10.70
pH	PH UNITS	Minimum	7.14	5.99	5.21	6.12	5.90	5.40	5.58	6.00	4.98	5.96	6.41	6.09	4.98
pH	PH UNITS	Exceedance(<5.5,>9.0)	1	1	1	1	0	1	0	0	1	0	0	0	6
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.0066	0	0	0.0048	0	0	0.0061	0	0	0.0053	0.0066
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	0.0066	0	0	0.0048	0	0	0.0061	0	0	0.0053	0.0066

**TABLE 48 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2020 Water Chemistry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	3	4	5	5	4	5	5	5	4	4	3	6	53
Total Suspended Solids	MG/L	Maximum	470	1100	620	540	700	990	970	650	520	470	2100	760	2100
Total Suspended Solids	MG/L	Exceedance(>350)	1	3	3	2	1	3	2	1	2	2	2	2	24
Total Suspended Solids	MG/L	Monthly Average	260.0	609.0	384.2	290.2	326.0	566.4	390.0	229.6	261.8	240.3	849.0	294.5	849.0
Total Zinc	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Zinc	UG/L	Maximum	0	0	230	0	0	380	0	0	160	0	0	250	380
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	230	0	0	380	0	0	160	0	0	250	380

**TABLE 49: Molson Coors Canada (St. John's) 2020 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	1	0	1	0	0	0	1	0	1	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	<50	0	0	0	<50	0	<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	0	0	25	0	25	0	0	0	25	0	25	25
BOD	MG/L	# of Samples	3	4	3	4	4	3	5	3	4	5	4	3	45
BOD	MG/L	Maximum	45000	1200	1400	1100	1000	1100	430	1300	2300	1800	1300	5100	45000
BOD	MG/L	Exceedance(>300)	3	4	3	3	1	3	1	3	4	5	4	3	37
BOD	MG/L	Monthly Average	15653.3	907.5	686.7	580.3	272.8	923.3	167.1	860.0	1550.0	1240.0	1085.0	2500.0	15653.3
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Cadmium	UG/L	Maximum	0	0	0	0.032	0	0.021	0	0	0	0.027	0	0.034	0.034
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	0.032	0	0.021	0	0	0	0.027	0	0.034	0.034
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Chromium	UG/L	Maximum	0	0	0	7.8	0	4.3	0	0	0	7.3	0	12	12
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	7.8	0	4.3	0	0	0	7.3	0	12	12
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Copper	UG/L	Maximum	0	0	0	82	0	48	0	0	0	76	0	27	82
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	82	0	48	0	0	0	76	0	27	82
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Iron	UG/L	Maximum	0	0	0	630	0	410	0	0	0	350	0	570	630
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	630	0	410	0	0	0	350	0	570	630
Total Mercury	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0	<0.013	0	0	0	0.023	0	<0.013	0.023
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	0.023	0	0.0065	0.023
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Nickel	UG/L	Maximum	0	0	0	2.5	0	<2.0	0	0	0	2.8	0	6	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	2.5	0	1	0	0	0	2.8	0	6	6
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0	1.8	0	3.2	0	0	0	4.2	0	3.3	4.2
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	1.8	0	3.2	0	0	0	4.2	0	3.3	4.2
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Lead	UG/L	Maximum	0	0	0	5.7	0	5.9	0	0	0	12	0	7.3	12
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	5.7	0	5.9	0	0	0	12	0	7.3	12
pH	PH UNITS	# of Samples	3	4	3	4	4	4	5	4	4	5	4	3	47
pH	PH UNITS	Maximum	12.20	10.00	11.00	11.30	9.60	9.44	8.38	11.00	10.80	9.36	10.90	8.48	12.20
pH	PH UNITS	Minimum	9.73	6.12	7.57	7.18	6.55	6.59	6.38	7.09	6.27	6.14	9.83	6.04	6.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	3	2	2	1	1	1	0	2	2	1	4	0	19
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Phenolics	MG/L	Maximum	0	0	0	0.0049	0	0.0021	0	0	0	0.0029	0	0.0054	0.0054
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	0.0049	0	0.0021	0	0	0	0.0029	0	0.0054	0.0054

**TABLE 49 CONTINUED: Molson Coors Canada (St. John's) 2020 Water Chemistry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	3	4	3	4	4	4	5	4	4	5	4	3	47
Total Suspended Solids	MG/L	Maximum	80	200	70	58	30	100	64	180	300	140	140	190	300
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	50.7	85.8	45.3	36.9	13.2	42.0	25.8	93.5	145.5	87.8	72.8	128.0	145.5
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	1	4
Total Zinc	UG/L	Maximum	0	0	0	220	0	49	0	0	0	99	0	150	220
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	220	0	49	0	0	0	99	0	150	220

**TABLE 50: Newfoundland Transshipment Limited 2020 Oily Water Separator**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	1	0	0	1	0	0	1	0	0	0	3
pH	PH UNITS	Maximum	0	0	6.6	0	0	6.8	0	0	6.8	0	0	0	6.8
pH	PH UNITS	Minimum	0	0	6.6	0	0	6.8	0	0	6.8	0	0	0	6.6
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	0	0	1	0	0	1	0	0	1	0	0	0	3
Calculated TDS	MG/L	Maximum	0	0	1698	0	0	692	0	0	230	0	0	0	1698
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	0	0	1698	0	0	692	0	0	230	0	0	0	1698
Total Oil and Grease	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	0	3
Total Oil and Grease	MG/L	Maximum	0	0	2.7	0	0	2.7	0	0	3.1	0	0	0	3.1
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	2.7	0	0	2.7	0	0	3.1	0	0	0	3.1
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	0	3
Total Suspended Solids	MG/L	Maximum	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	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	0.8	0	0	0.8	0	0	0.8	0	0	0	0.8

**TABLE 51: Newfoundland Transshipment Limited 2020 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	6.8	0	6.8
pH	PH UNITS	Minimum	0	0	0	0	6.7	0	0	0	0	0	6.8	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	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	2.9	0	3.4
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	2.9	0	3.4
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	<1.6	0	0	0	0	0	<1.6	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	0	0.8	0	0	0	0	0	0.8	0	0.8

**TABLE 52: Newfoundland Transshipment Limited 2020 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	7.2	0	0	7.6	0	0	8	0	0	7.7	0	0	8
pH	PH UNITS	Minimum	7.2	0	0	7.6	0	0	8	0	0	7.7	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	4.8	0	0	2.5	0	0	2.7	0	0	1.2	0	0	4.8
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	4.8	0	0	2.5	0	0	2.7	0	0	1.2	0	0	4.8
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	3.9	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	3.9
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	3.9	0	0	0.8	0	0	0.8	0	0	0.8	0	0	3.9

\*Limit has been adjusted to reflect background TDS levels.

**TABLE 53: Newfoundland Transshipment Limited 2020 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	8	0	0	7.7	0	0	7.9	0	0	7.7	0	0	8.0
pH	PH UNITS	Minimum	8	0	0	7.7	0	0	7.9	0	0	7.7	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
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	5.8	0	0	1.2	0	0	1.9	0	0	2.1	0	0	5.8
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	5.8	0	0	1.2	0	0	1.9	0	0	2.1	0	0	5.8
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	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	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 54: Newfoundland Transshipment Limited 2020 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	7.9	0	0	7.8	0	0	7.9	0	0	7.8	0	0	7.9
pH	PH UNITS	Minimum	7.9	0	0	7.8	0	0	7.9	0	0	7.8	0	0	7.8
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	2.1	0	0	4.1	0	0	2.6	0	0	3.1	0	0	4.1
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	2.1	0	0	4.1	0	0	2.6	0	0	3.1	0	0	4.1
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	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	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 55: Newfoundland Transshipment Limited 2020 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	0	4
pH	PH UNITS	Maximum	7.5	0	0	6.9	0	0	7.6	0	0	7.4	0	0	7.6
pH	PH UNITS	Minimum	7.5	0	0	6.9	0	0	7.6	0	0	7.4	0	0	6.9
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	4.3	0	0	1.6	0	0	3.7	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	4.3	0	0	1.6	0	0	3.7	0	0	6.6
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	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	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 56: Newfoundland Transshipment Limited 2020 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	7.4	0	0	6.9	0	0	7.5	0	0	7.1	0	0	7.5
pH	PH UNITS	Minimum	7.4	0	0	6.9	0	0	7.5	0	0	7.1	0	0	6.9
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	2.2	0	0	5.1	0	0	4.5	0	0	1.3	0	0	5.1
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	2.2	0	0	5.1	0	0	4.5	0	0	1.3	0	0	5.1
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	2.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	2.6
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	2.6	0	0	0.8	0	0	0.8	0	0	0.8	0	0	2.6

**TABLE 57: Newfoundland Transshipment Limited 2020 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	7.2	0	0	7.2	0	0	7.6	0	0	7.2	0	0	7.6
pH	PH UNITS	Minimum	7.2	0	0	7.2	0	0	7.6	0	0	7.2	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	5.6	0	0	5.3	0	0	2	0	0	5.5	0	0	5.6
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	5.6	0	0	5.3	0	0	2	0	0	5.5	0	0	5.6
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	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	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 58: Newfoundland Transshipment Limited 2020 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	7.8	0	0	7.9	0	0	7.9	0	0	7.7	0	0	7.9
pH	PH UNITS	Minimum	7.8	0	0	7.9	0	0	7.9	0	0	7.7	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
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	4.8	0	0	6.8	0	0	6.1	0	0	8.2	0	0	8.2
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	4.8	0	0	6.8	0	0	6.1	0	0	8.2	0	0	8.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	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	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 59: Newfoundland and Labrador Hydro (Holyrood) 2020 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	0	1	1	1	0	0	0	1	0	1	7
Total Silver	UG/L	Maximum	<0.1	<0.1	0	<0.1	<0.1	<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	0.05	0.05	0	0.05	0.05	0.05	0	0	0	0.05	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Arsenic	UG/L	Maximum	<2	<2	0	<2	<2	<2	0	0	0	<1.0	0	<1.0	<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	1	0	1	1	1	0	0	0	0.5	0	0.5	1
Total Barium	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Barium	UG/L	Maximum	23	36	0	47	7	7	0	0	0	13	0	9.8	47
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	23	36	0	47	7	7	0	0	0	13	0	9.8	47
Total Boron	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	0	7
Total Boron	UG/L	Maximum	9	6	0	9	12	<5	0	0	0	<50	0	<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	9	6	0	9	12	2.5	0	0	0	25	0	25	25
Biochemical Oxygen Demand	MG/L	# of Samples	5	3	4	5	4	4	3	0	0	0	0	0	28
Biochemical Oxygen Demand	MG/L	Maximum	11	<2	3	54	<2	57	8	0	0	0	0	0	57
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	1	0	1	0	0	0	0	0	0	2
Biochemical Oxygen Demand	MG/L	Monthly Average	3	1	1.5	11.6	1	15	5	0	0	0	0	0	15
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	0	4	4	5	4	4	21
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	0	4.3	<2.0	6.2	<2.0	<2.0	6.2
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	0	0	0	1.825	1	2.04	1	1	2.04
Total Cadmium	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Cadmium	UG/L	Maximum	0.094	<0.017	0	0.018	<0.017	<0.017	0	0	0	<0.01	0	<0.01	0.094
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	0.094	0.0085	0	0.018	0.0085	0.0085	0	0	0	0.005	0	0.005	0.094
Total Chromium	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Chromium	UG/L	Maximum	3	<1	0	<1	<1	<1	0	0	0	<1	0	<1	3
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	3	0.5	0	0.5	0.5	0.5	0	0	0	0.5	0	0.5	3
Total Copper	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Copper	UG/L	Maximum	4	1	0	2	1	<1	0	0	0	2.1	0	1.3	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	4	1	0	2	1	0.5	0	0	0	2.1	0	1.3	4
Total Iron	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Iron	UG/L	Maximum	1170	116	0	160	192	<50	0	0	0	290	0	160	1170
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	1170	116	0	160	192	25	0	0	0	290	0	160	1170
Total Mercury	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Mercury	UG/L	Maximum	<0.026	<0.026	0	<0.026	<0.026	<0.026	0	0	0	<0.013	0	<0.013	<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	0.013	0	0.013	0.013	0.013	0	0	0	0.0065	0	0.0065	0.013
Total Nickel	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Nickel	UG/L	Maximum	3	9	0	<2	3	<2	0	0	0	<2	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	3	9	0	1	3	1	0	0	0	1	0	1	9



TABLE 59 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium+Ammonia Total	MG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Ammonium+Ammonia Total	MG/L	Maximum	0.48	0.04	0	1.32	0.11	0.05	0	0	0	<0.050	0	<0.050	1.32
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0.48	0.04	0	1.32	0.11	0.05	0	0	0	0.025	0	0.025	1.32
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	1	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.15	0	0.15	0.15
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	0	0	0	0	0.15	0	0.15	0.15
Total Nitrate	MG/L	# of Samples	1	1	0	1	1	1	0	0	0	0	0	0	5
Total Nitrate	MG/L	Maximum	0.19	0.35	0	0.29	0.1	0.12	0	0	0	0	0	0	0.35
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	0.19	0.35	0	0.29	0.1	0.12	0	0	0	0	0	0	0.35
Orthophosphate	MG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Orthophosphate	MG/L	Maximum	<0.01	<0.01	0	0.02	<0.01	<0.01	0	0	0	<0.010	0	<0.010	0.02
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	0.02	0.005	0.005	0	0	0	0.005	0	0.005	0.02
Total Lead	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Lead	UG/L	Maximum	2.2	<0.5	0	<0.5	<0.5	<0.5	0	0	0	0.77	0	<0.5	2.2
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	2.2	0.25	0	0.25	0.25	0.25	0	0	0	0.77	0	0.25	2.2
pH	PH UNITS	# of Samples	6	5	4	6	5	5	4	4	4	6	5	5	59
pH	PH UNITS	Maximum	8.05	7.38	7	7.45	7.23	6.82	6.88	7.33	8.2	7.63	7.36	7.8	8.2
pH	PH UNITS	Minimum	6.4	6.61	6.45	6.4	6.64	6.52	6.6	6.45	6.06	6.44	6.4	6.7	6.06
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	0	1	1	1	0	0	0	1	0	1	7
Phenolics	MG/L	Maximum	<0.004	<0.004	0	<0.001	<0.004	<0.004	0	0	0	<0.0010	0	<0.0010	<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	0.002	0.002	0	0.0005	0.002	0.002	0	0	0	0.0005	0	0.0005	0.002
Total Selenium	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Selenium	UG/L	Maximum	<1	<1	0	<1	<1	<1	0	0	0	<0.5	0	<0.5	<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	0.5	0	0.5	0.5	0.5	0	0	0	0.25	0	0.25	0.5
Sulphide	MG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Sulphide	MG/L	Maximum	<1.0	<0.05	0	<0.05	<0.05	<0.05	0	0	0	<0.020	0	<0.020	<1.0
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.5	0.025	0	0.025	0.025	0.025	0	0	0	0.01	0	0.01	0.5
Calculated TDS	MG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Calculated TDS	MG/L	Maximum	64	78	0	105	49	37	0	0	0	85	0	89	105
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	64	78	0	105	49	37	0	0	0	85	0	89	105
TDS Measured	MG/L	# of Samples	5	3	4	5	4	4	3	4	4	5	4	4	49
TDS Measured	MG/L	Maximum	140	200	200	160	140	160	140	130	200	290	130	140	290
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	98.8	126.7	145	88.5	95	90	106.7	96.8	132.5	121.8	91.8	100.3	145
Total Oil and Grease	MG/L	# of Samples	4	3	4	5	4	4	3	4	3	0	0	0	34
Total Oil and Grease	MG/L	Maximum	1.5	1.3	2.2	2.1	<1.0	1.2	<1.0	1.9	<0.50	0	0	0	2.2
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	0.75	0.77	1.33	1.50	0.50	0.68	0.50	0.73	0.25	0	0	0	1.50

**TABLE 59 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 CT-OS**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	5	5	4	15
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	0	<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	0	0	0	0	0	0	0	0.045	0.045	0.045	0.045	0.045
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	4	4	4	6	5	5	54
Total Suspended Solids	MG/L	Maximum	6.8	15.75	10	5	2	6.8	1.8	6.25	6.3	9.25	14.6	4	15.75
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	2.49	5.97	3.94	2.35	1.22	3.28	1.17	2.03	3.48	3.10	6.03	1.77	6.03
Total Zinc	UG/L	# of Samples	1	1	0	1	1	1	0	0	0	1	0	1	7
Total Zinc	UG/L	Maximum	43	8	0	6	30	<5	0	0	0	7.3	0	<5	43
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	43	8	0	6	30	2.5	0	0	0	7.3	0	2.5	43

**TABLE 60: Newfoundland and Labrador Hydro (Holyrood) 2020 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	1	0	2
Total Silver	UG/L	Maximum	0	0	<0.1	0	0	0	0	0	0	0	<0.1	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	0	0.05	0	0	0	0	0	0	0	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Arsenic	UG/L	Maximum	0	0	<2	0	0	0	0	0	0	0	<1	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	1	0	0	0	0	0	0	0	0.5	0	1
Total Barium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Barium	UG/L	Maximum	0	0	5	0	0	0	0	0	0	0	3.8	0	5
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	5	0	0	0	0	0	0	0	3.8	0	5
Total Boron	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Boron	UG/L	Maximum	0	0	5	0	0	0	0	0	0	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	5	0	0	0	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Cadmium	UG/L	Maximum	0	0	0.026	0	0	0	0	0	0	0	0.047	0	0.047
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	0.026	0	0	0	0	0	0	0	0.047	0	0.047
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Chromium	UG/L	Maximum	0	0	<1	0	0	0	0	0	0	0	<1	0	<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	0	0	0.5	0	0	0	0	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Copper	UG/L	Maximum	0	0	2	0	0	0	0	0	0	0	2.9	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	2	0	0	0	0	0	0	0	2.9	0	2.9
Total Iron	MG/L	# of Samples	5	2	5	5	4	1	2	1	4	5	6	4	44
Total Iron	MG/L	Maximum	0.35	0.38	0.37	0.26	0.13	0.14	0.37	0.13	1.6	0.12	0.2	1.4	1.6
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	0.2080	0.2025	0.1250	0.1060	0.1150	0.1400	0.3350	0.1300	0.4375	0.0524	0.1145	0.7913	0.7913

TABLE 60 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 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	1	0	2
Total Mercury	UG/L	Maximum	0	0	<0.026	0	0	0	0	0	0	0	<0.013	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	0.013	0	0	0	0	0	0	0	0.0065	0	0.013
Total Nickel	MG/L	# of Samples	5	2	5	5	4	1	2	1	4	5	6	4	44
Total Nickel	MG/L	Maximum	0.015	0.007	0.018	0.003	0.011	0.005	0.009	0.0043	0.0088	0.0061	<0.0020	0.0032	0.018
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	0.0040	0.0050	0.0050	0.0020	0.0070	0.0050	0.0055	0.0043	0.0038	0.0030	0.0010	0.0020	0.0070
Ammonium+Ammonia Total	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Ammonium+Ammonia Total	MG/L	Maximum	0	0	0.26	0	0	0	0	0	0	0	1.3	0	1.3
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0	0.26	0	0	0	0	0	0	0	1.3	0	1.3
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.082	0	0.082
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	0	0	0	0	0	0.082	0	0.082
Total Nitrate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	<0.05	0	0	0	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	0	0.025	0	0	0	0	0	0	0	0	0	0.025
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Orthophosphate	MG/L	Maximum	0	0	0.01	0	0	0	0	0	0	0	<0.010	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	0.01	0	0	0	0	0	0	0	0.005	0	0.01
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Lead	UG/L	Maximum	0	0	<0.5	0	0	0	0	0	0	0	<0.5	0	<0.5
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	0	0	0.25	0	0	0	0	0	0	0	0.25	0	0.25
pH	PH UNITS	# of Samples	5	3	5	5	4	1	1	1	4	5	6	4	44
pH	PH UNITS	Maximum	7.00	6.57	7.20	7.04	6.94	6.79	6.63	6.86	6.52	6.90	6.89	6.70	7.20
pH	PH UNITS	Minimum	6.09	5.87	6.01	6.50	6.78	6.79	6.63	6.86	6.06	6.40	6.10	4.40	4.40
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	1	1
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Phenolics	MG/L	Maximum	0	0	<0.004	0	0	0	0	0	0	0	<0.0010	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	0	0.002	0	0	0	0	0	0	0	0.0005	0	0.002
Total Selenium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Selenium	UG/L	Maximum	0	0	<1	0	0	0	0	0	0	0	<0.5	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	0	0.5	0	0	0	0	0	0	0	0.25	0	0.5
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	0	0	0	0	0	<0.020	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	0.025	0	0	0	0	0	0	0	0.01	0	0.025
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Calculated TDS	MG/L	Maximum	0	0	63	0	0	0	0	0	0	0	260	0	260
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	63	0	0	0	0	0	0	0	260	0	260

**TABLE 60 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 Continuous Basin**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Oil and Grease	MG/L	# of Samples	5	2	4	5	4	1	2	1	3	0	0	0	27
Total Oil and Grease	MG/L	Maximum	1.9	2.1	3	2.1	2.4	5.1	11	<0.50	<0.50	0	0	0	11
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	0.96	1.3	1.725	1.44	1.1	5.1	5.75	0.25	0.25	0	0	0	5.75
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	5	5	4	15
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.090	0.26	0.13	0.12	0.26
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	0.045	0.101	0.062	0.0825	0.101
Total Suspended Solids	MG/L	# of Samples	5	3	4	5	4	1	1	1	4	5	5	4	42
Total Suspended Solids	MG/L	Maximum	4	4.4	4.75	10	2	18	8.5	6.25	4.5	6.75	29.5	18	29.5
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	2.72	3.09	4.02	1.47	18	8.5	6.25	2.19	2.53	13.63	9.18	18
Total Zinc	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	1	0	2
Total Zinc	UG/L	Maximum	0	0	<5	0	0	0	0	0	0	0	8.1	0	8.1
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	2.5	0	0	0	0	0	0	0	8.1	0	8.1

**TABLE 61: Newfoundland and Labrador Hydro (Holyrood) 2020 OS1**

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	2	0	0	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	0.0001	0	0	0	0	0.0001
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	0.000075	0	0	0	0	0.000075
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.0010	0	0	0	0	<0.0010
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	0.0005	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.019	0	0	0	0	0.019
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	0.0165	0	0	0	0	0.0165
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	<0.050	0	0	0	0	<0.050
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	0.025	0	0	0	0	0.025
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.000017	0	0	0	0	0.000017
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	0.000011	0	0	0	0	0.000011
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0.0013	0	0	0	0	0.0013
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	0.0009	0	0	0	0	0.0009
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.022	0	0	0	0	0.022
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	0.011125	0	0	0	0	0.011125

**TABLE 61 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 OS1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	5	3	4	5	4	4	3	4	4	5	5	4	50
Total Iron	MG/L	Maximum	23.1	0.47	5.61	0.51	1.31	1.84	6.02	1	0.66	0.93	11	0.23	23.1
Total Iron	MG/L	Exceedance(>10)	1	0	0	0	0	0	0	0	0	0	1	0	2
Total Iron	MG/L	Monthly Average	5.19	0.30	1.69	0.28	0.66	0.62	2.39	0.35	0.33	0.32	2.64	0.20	5.19
Total Nickel	MG/L	# of Samples	5	3	4	5	4	4	3	4	4	5	5	4	50
Total Nickel	MG/L	Maximum	0.093	0.011	0.029	0.027	0.026	<0.002	0.024	<0.0020	0.0026	0.038	0.087	0.023	0.093
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	0.0087	0.016	0.0110	0.0090	0.0010	0.0087	0.0010	0.0014	0.015	0.038	0.011	0.038
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	<0.00050	0	0	0	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	0	0	0.00025	0	0	0	0	0.00025
pH	PH UNITS	# of Samples	5	4	4	5	4	4	4	4	4	5	5	4	52
pH	PH UNITS	Maximum	6.55	7.65	7.90	7.60	7.30	7.24	7.12	7.36	7.90	7.00	7.36	7.80	7.90
pH	PH UNITS	Minimum	5.80	6.43	6.59	6.47	6.91	6.60	6.70	6.53	6.37	6.10	6.00	5.70	5.70
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	<0.00050	0	0	0	0	<0.00050
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	0.00025	0	0	0	0	0.00025
Total Oil and Grease	MG/L	# of Samples	4	3	4	5	4	4	3	4	3	0	0	0	34
Total Oil and Grease	MG/L	Maximum	1.8	2.2	2.2	2.2	<1.0	1.2	<1.0	0.6	<0.50	0	0	0	2.2
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	0.95	1.0667	1.15	1.14	0.5	0.675	0.5	0.3375	0.25	0	0	0	1.15
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	5	5	4	15
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	0	0.11	<0.090	<0.090	16	16
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	1	1
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.11	0.045	0.045	4.24	4.24
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	4	4	4	5	5	4	52
Total Suspended Solids	MG/L	Maximum	2.25	3	2.75	4.5	4.5	6.2	7.8	6.5	2.8	2	3.7	3.4	7.8
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	1.01	1.13	1.70	1.96	1.66	2.55	2.85	2.99	1.85	1.25	2.16	2.28	2.99
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	0.00875	0	0	0	0	0.00875

**TABLE 62: Newfoundland and Labrador Hydro (Holyrood) 2020 OS2**

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	2	0	0	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	0.00094	0	0	0	0	0.00094
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	0.000495	0	0	0	0	0.000495
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.0010	0	0	0	0	<0.0010
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	0.0005	0	0	0	0	0.0005

TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.030	0	0	0	0	0.030
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	0.020	0	0	0	0	0.020
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	<0.050	0	0	0	0	<0.050
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	0.025	0	0	0	0	0.025
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.00006	0	0	0	0	0.00006
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	0.00003	0	0	0	0	0.00003
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0.0013	0	0	0	0	0.0013
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	0.0009	0	0	0	0	0.0009
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.038	0	0	0	0	0.038
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	0.020	0	0	0	0	0.020
Total Iron	MG/L	# of Samples	5	3	4	5	4	4	3	4	4	5	5	4	50
Total Iron	MG/L	Maximum	1.23	0.67	0.37	0.49	0.94	0.97	0.72	0.45	14	4.8	2.2	3.2	14
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Iron	MG/L	Monthly Average	0.508	0.367	0.205	0.294	0.370	0.420	0.500	0.288	3.823	1.718	0.742	0.879	3.823
Total Nickel	MG/L	# of Samples	5	3	4	5	4	4	3	4	4	5	5	4	50
Total Nickel	MG/L	Maximum	0.099	0.023	0.032	0.079	0.056	0.023	0.005	0.0071	0.039	0.35	0.13	0.0074	0.35
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	0.015	0.020	0.021	0.019	0.0073	0.0047	0.0036	0.014	0.088	0.041	0.0044	0.088
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0.00065	0	0	0	0	0.00065
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	0.00045	0	0	0	0	0.00045
pH	PH UNITS	# of Samples	5	4	4	5	4	4	4	4	4	5	5	4	52
pH	PH UNITS	Maximum	8.50	6.70	6.47	6.27	6.90	6.61	7.52	7.52	6.50	6.80	7.70	7.30	8.50
pH	PH UNITS	Minimum	6.03	6.16	6.00	5.70	6.23	6.10	6.60	6.44	6.20	5.70	6.00	6.18	5.70
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	<0.00050	0	0	0	0	<0.00050
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	0.00025	0	0	0	0	0.00025
Total Oil and Grease	MG/L	# of Samples	4	3	4	5	4	4	3	4	3	0	0	0	34
Total Oil and Grease	MG/L	Maximum	2.6	1.8	3	2.5	2.1	1.4	11.5	0.7	<0.50	0	0	0	11.5
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	1.43	0.93	1.7	1.56	0.9	0.73	4.17	0.54	0.25	0	0	0	4.17
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	5	5	4	15
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.090	0.23	2.3	2.8	2.8
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	0.045	0.1056	0.62	0.82	0.82

**TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 OS2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	4	4	4	5	5	4	52
Total Suspended Solids	MG/L	Maximum	13	1	1.5	8	1.5	4	7.3	4	13.8	28	3.75	2.75	28
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	4.06	0.63	1.06	3.46	0.66	1.94	2.82	1.99	4.03	8.15	2.02	1.55	8.15
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.054	0	0	0	0	0.054
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	0.032	0	0	0	0	0.032

**TABLE 63: Newfoundland and Labrador Hydro (Holyrood) 2020 WWTP**

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	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.00010	0	0	0	0	<0.00010
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	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.0010	0	0	0	0	<0.0010
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	0.0005	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.041	0	0	0	0	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	0	0	0	0	0	0	0.041	0	0	0	0	0.041
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	13	0	0	0	0	13
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0	0	13	0	0	0	0	13
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.0015	0	0	0	0	0.0015
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	0.0015	0	0	0	0	0.0015
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	<0.0010	0	0	0	0	<0.0010
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	0.0005	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	<0.00050	0	0	0	0	<0.00050
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	0.00025	0	0	0	0	0.00025
Total Iron	MG/L	# of Samples	3	13	5	4	8	9	2	10	5	5	4	3	71
Total Iron	MG/L	Maximum	0.54	1.378	0.3	0.8	1.03	5.4	<0.3	1.2	0.4	0.99	1.1	0.73	5.4
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	0.43	0.36	0.20	0.39	0.45	1.12	0.15	0.50	0.21	0.22	0.29	0.26	1.12
Total Nickel	MG/L	# of Samples	3	13	5	4	8	9	2	10	5	5	4	3	71
Total Nickel	MG/L	Maximum	0.084	0.093	0.086	0.06	0.064	0.28	0.045	0.13	0.1	0.074	0.084	0.069	0.28
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	0.073	0.033	0.032	0.041	0.033	0.080	0.043	0.070	0.058	0.049	0.062	0.047	0.080

TABLE 63 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2020 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	<0.00050	0	0	0	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	0	0	0.00025	0	0	0	0	0.00025
pH	PH UNITS	# of Samples	3	15	5	4	8	9	2	9	5	5	4	4	73
pH	PH UNITS	Maximum	8.70	8.90	8.80	9.40	9.50	8.70	8.60	8.76	8.90	8.75	8.40	8.30	9.50
pH	PH UNITS	Minimum	8.28	8.02	8.00	8.90	7.11	7.80	8.50	7.71	7.80	8.27	7.70	7.80	7.11
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	2	1	0	0	0	0	0	0	0	3
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0.051	0	0	0	0	0.051
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.051	0	0	0	0	0.051
Total Suspended Solids	MG/L	# of Samples	3	15	5	4	8	9	2	9	5	5	4	4	73
Total Suspended Solids	MG/L	Maximum	6.5	9.25	8.8	12.5	7	12.5	8.9	26.5	13	8	5.6	8.8	26.5
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	5.6	3.1	3.9	5.0	3.6	3.8	8.2	12.0	9.7	3.4	2.1	6.2	12.0
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.06	0	0	0	0	0.06
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	0.06	0	0	0	0	0.06



**TABLE 64: North Atlantic Refinery Limited 2020 Outfall to Sea**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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
Ammonium+Ammonia Total	LBS/DAY	# of Samples	13	12	14	13	13	13	13	13	13	13	13	14	157
Ammonium+Ammonia Total	LBS/DAY	Maximum	466.5	144	57.5	25.3	25.9	12.3	12.4	16.1	25.7	22.5	17.1	17.2	466.5
Ammonium+Ammonia Total	LBS/DAY	Exceedance(>798)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	LBS/DAY	Monthly Average	193.2	70.3	35.4	15.7	10.4	5.0	3.1	5.0	7.6	7.3	5.6	5.3	193.2
pH	PH UNITS	# of Samples	31	30	31	31	31	30	31	31	31	31	31	31	370
pH	PH UNITS	Maximum	8.0	7.9	7.7	8.2	8.3	8.5	7.8	8.8	8.5	8.6	8.1	8.6	8.8
pH	PH UNITS	Minimum	7.2	7.3	7.1	7.08	6.9	7.2	7.0	7.4	6.0	7.4	7.3	7.4	6.0
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	# of Samples	13	12	14	13	13	13	13	13	13	13	13	14	157
Phenolics	LBS/DAY	Maximum	0.46	0.29	0.49	0.32	0.81	0.62	0.62	0.32	1.29	0.5	0.69	0.75	1.29
Phenolics	LBS/DAY	Exceedance(>77)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	Monthly Average	0.19	0.16	0.22	0.17	0.26	0.21	0.14	0.17	0.27	0.22	0.18	0.24	0.27
Sulphide	LBS/DAY	# of Samples	13	12	14	13	13	13	13	13	13	13	13	14	157
Sulphide	LBS/DAY	Maximum	0.24	7.5	0.49	0.33	0.71	0.31	0.31	0.16	7.6	0.25	0.38	8.5	8.5
Sulphide	LBS/DAY	Exceedance(>42)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	LBS/DAY	Monthly Average	0.17	0.77	0.23	0.18	0.22	0.10	0.07	0.08	0.71	0.11	0.15	0.82	0.82
Total Oil and Grease	LBS/DAY	# of Samples	13	12	14	13	13	13	13	13	13	13	13	14	157
Total Oil and Grease	LBS/DAY	Maximum	96	80	138	69	93	25	25	31	109	31	76	74	138
Total Oil and Grease	LBS/DAY	Exceedance(>770)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	LBS/DAY	Monthly Average	38.3	42.8	44.1	31.8	22.8	8.5	6.2	9.1	17.3	12.5	14.2	22.9	44.1
Total Suspended Solids	LBS/DAY	# of Samples	13	12	14	13	10	13	13	13	12	13	13	13	152
Total Suspended Solids	LBS/DAY	Maximum	415	444	1482	698	729	518	186	174	223	480	723	754	1482
Total Suspended Solids	LBS/DAY	Exceedance(>1680)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	LBS/DAY	Monthly Average	206.3	227.9	435.4	329.6	266.7	157.5	62.1	81.3	128.7	164.8	139.8	198.2	435.4

**TABLE 65: Pardy's Waste Management (Incinerator Road) 2020 Waste Water Treatment Plant**

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	1	0	0	0	0	1	2
Total Silver	MG/L	Maximum	0	0	0	0	0	0	<0.006	0	0	0	0	<0.00010	<0.006
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	0.003	0	0	0	0	0.00005	0.003
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	0	0	0.004	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	0.0025	0	0	0	0	0.004	0.004
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.0818	0	0	0	0	0.076	0.0818
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	0.0818	0	0	0	0	0.076	0.0818
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0.133	0	0	0	0	0.13	0.133
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	0.133	0	0	0	0	0.13	0.133
Biochemical Oxygen Demand	MG/L	# of Samples	0	2	1	0	0	0	0	0	4	3	1	1	12
Biochemical Oxygen Demand	MG/L	Maximum	0	6	<6	0	0	0	0	0	14	17	4.6	12	17
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	0	4.5	3	0	0	0	0	0	10.825	11.8	4.6	12	12
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	1	0	1	2	1	0	0	0	5
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	<6	0	9.5	3.9	<2.0	0	0	0	9.5
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	3	0	9.5	2.45	1	0	0	0	9.5
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.002	0	0	0	0	0.000089	<0.002
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	0.001	0	0	0	0	0.000089	0.001
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.003	0	0	0	0	<0.0010	<0.003
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	0.0015	0	0	0	0	0.0005	0.0015
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.0208	0	0	0	0	0.033	0.033
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	0.0208	0	0	0	0	0.033	0.033
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Iron	MG/L	Maximum	0	0	0	0	0	0	<0.300	0	0	0	0	0.083	<0.300
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	0.15	0	0	0	0	0.083	0.15
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	<0.002	0	0	0	0	0	<0.002
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0.001	0	0	0	0	0	0.001
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0.0538	0	0	0	0	0.065	0.065
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	0.0538	0	0	0	0	0.065	0.065

TABLE 65 CONTINUED: Pardy's Waste Management (Incinerator Road) 2020 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium+Ammonia Total	MG/L	# of Samples	0	2	1	0	1	0	1	2	5	3	1	1	17
Ammonium+Ammonia Total	MG/L	Maximum	0	0.05	0.04	0	0.177	0	0.609	0.782	0.88	1.1	0.94	1.1	1.1
Ammonium+Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total	MG/L	Monthly Average	0	0.04	0.04	0	0.177	0	0.609	0.621	0.724	0.96	0.94	1.1	1.1
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	1	5	3	1	1	11
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	2.8	14	0.1	24	64	64
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	1	0	1	1	3
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	2.8	2.88	0.10	24	64	64
Total Nitrate	MG/L	# of Samples	0	2	1	0	1	0	1	1	0	0	0	0	6
Total Nitrate	MG/L	Maximum	0	10.586	12.224	0	24.39	0	16.8	0.16	0	0	0	0	24.39
Total Nitrate	MG/L	Exceedance(>10)	0	1	1	0	1	0	1	0	0	0	0	0	4
Total Nitrate	MG/L	Monthly Average	0	8.521	12.224	0	24.39	0	16.8	0.16	0	0	0	0	24.39
Orthophosphate	MG/L	# of Samples	0	2	1	0	1	0	1	2	5	3	1	1	17
Orthophosphate	MG/L	Maximum	0	<0.5	<0.5	0	<0.500	0	6.28	11	4.9	4.2	18	11	18
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	1	1	4	3	1	1	11
Orthophosphate	MG/L	Monthly Average	0	0.25	0.25	0	0.25	0	6.28	5.62	2.47	3.83	18	11	18
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.003	0	0	0	0	<0.00050	<0.003
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	0.0015	0	0	0	0	0.00025	0.0015
pH	PH UNITS	# of Samples	0	2	1	0	1	0	1	2	5	3	1	1	17
pH	PH UNITS	Maximum	0	7.35	7.12	0	6.81	0	6.91	7.71	7.80	7.70	7.41	6.75	7.80
pH	PH UNITS	Minimum	0	6.95	7.12	0	6.81	0	6.91	7.13	7.27	7.52	7.41	6.75	6.75
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.008	0	0	0	0	<0.00050	<0.008
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	0.004	0	0	0	0	0.00025	0.004
Calculated TDS	MG/L	# of Samples	0	2	1	0	1	0	0	1	0	0	0	0	5
Calculated TDS	MG/L	Maximum	0	1105	1006	0	951	0	0	1157	0	0	0	0	1157
Calculated TDS	MG/L	Exceedance(>1000)	0	2	1	0	0	0	0	1	0	0	0	0	4
Calculated TDS	MG/L	Monthly Average	0	1075.5	1006	0	951	0	0	1157	0	0	0	0	1157
TDS Measured	MG/L	# of Samples	0	0	0	0	0	0	1	1	5	3	1	1	12
TDS Measured	MG/L	Maximum	0	0	0	0	0	0	1059	1300	1400	1400	1300	1300	1400
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	1	1	4	3	1	1	11
TDS Measured	MG/L	Monthly Average	0	0	0	0	0	0	1059	1300	1310	1400	1300	1300	1400
Total Oil and Grease	MG/L	# of Samples	0	2	1	0	1	0	1	1	0	0	0	0	6
Total Oil and Grease	MG/L	Maximum	0	<2	<1.3	0	<2	0	<2	<2	0	0	0	0	<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	0	0.825	0.65	0	1	0	1	1	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	1	5	3	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	<0.090	0.37	0.09	0.17	<0.090	0.37
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	0.045	0.151	0.075	0.17	0.045	0.17
Total Suspended Solids	MG/L	# of Samples	0	2	1	0	1	0	1	2	5	3	1	1	17
Total Suspended Solids	MG/L	Maximum	0	22	<3	0	<3	0	8	7	36	41	10	<0.50	41
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	3	3	0	0	6
Total Suspended Solids	MG/L	Monthly Average	0	13	1.5	0	1.5	0	8	4.5	23.5	38.3	10	0.25	38.3

TABLE 65 CONTINUED: Pardy's Waste Management (Incinerator Road) 2020 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	1	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.100	0	0	0	0	0.093	0.093
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	0.05	0	0	0	0	0.093	0.093
Fecal Coliform MF	CFU/ML	# of Samples	0	0	0	0	0	0	0	1	4	2	1	1	9
Fecal Coliform MF	CFU/ML	Maximum	0	0	0	0	0	0	0	<1.0	1	1	<1	<0.01	1
Fecal Coliform MF	CFU/ML	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Fecal Coliform MF	CFU/ML	Monthly Average	0	0	0	0	0	0	0	0.5	0.55	0.75	0.5	0.005	0.75
Fecal Coliform MPN	MPN/ML	# of Samples	0	3	1	0	1	2	1	1	0	0	0	0	9
Fecal Coliform MPN	MPN/ML	Maximum	0	7.9	<0.018	0	<0.018	<0.018	<0.018	<0.018	0	0	0	0	7.9
Fecal Coliform MPN	MPN/ML	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Fecal Coliform MPN	MPN/ML	Monthly Average	0	2.82	0.009	0	0.009	0.009	0.009	0.009	0.009	0	0	0	2.82
Total Coliform MF	CFU/ML	# of Samples	0	0	0	0	0	0	0	1	4	2	1	1	9
Total Coliform MF	CFU/ML	Maximum	0	0	0	0	0	0	0	<1.0	30	88	10	<1.0	88
Total Coliform MF	CFU/ML	Exceedance(>50)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Coliform MF	CFU/ML	Monthly Average	0	0	0	0	0	0	0	0.5	10.03	47	10	0.5	47
Total Coliform MPN	MPN/ML	# of Samples	0	3	1	0	1	2	1	1	0	0	0	0	9
Total Coliform MPN	MPN/ML	Maximum	0	7.9	<0.018	0	<0.018	0.02	<0.018	<0.018	0	0	0	0	7.9
Total Coliform MPN	MPN/ML	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Coliform MPN	MPN/ML	Monthly Average	0	2.88	0.009	0	0.009	0.015	0.009	0.009	0	0	0	0	2.88

**TABLE 66: Pardy's Waste Management (Donovan's Industrial Park) 2020 Treated Wastewater**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Boron	MG/L	Maximum	2.16	2.19	0.5	0.32	0.31	0.66	0.42	0.64	0.66	0.29	0.14	1.7	2.19
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	2.15	0.94	0.45	0.31	0.27	0.57	0.29	0.28	0.42	0.26	0.11	1.47	2.15
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	0	0	4	4	5	3	16
Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	0	0	23	<2.0	<2.0	34	34
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	0	0	0	0	6.5	1	1	12	12
Carbonaceous BOD	MG/L	# of Samples	0	0	0	0	0	1	4	4	1	0	0	0	10
Carbonaceous BOD	MG/L	Maximum	0	0	0	0	0	<2.0	<2.0	<2.0	<2.0	0	0	0	<2.0
Carbonaceous BOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous BOD	MG/L	Monthly Average	0	0	0	0	0	1	1	1	1	0	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.007	0.01	0.009	0.023	0.018	<0.007	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.023
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0035	0.0079	0.0068	0.0084	0.0160	0.0033	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0160
Total Cadmium	UG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Cadmium	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	0.018	0.02	0.016	0.013	0.012	<0.010	<2.0
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	1	1	0.8	0.0135	0.0135	0.0072	0.009	0.009	0.005	1
Total Chromium	UG/L	# of Samples	4	4	3	3	0	0	0	0	0	0	3	1	18
Total Chromium	UG/L	Maximum	<3	<3	<3	<3	0	0	0	0	0	0	<1	2	<3
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	1.5	1.5	1.5	1.5	0	0	0	0	0	0	0.5	2	1.5
Total Hexavalent Chromium	UG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Hexavalent Chromium	UG/L	Maximum	<15	<15	<15	16	15	19	1.8	1.1	1.6	1.4	0.92	0.59	19
Total Hexavalent Chromium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	UG/L	Monthly Average	7.5	7.5	7.5	9.625	9.375	11.35	0.9875	0.995	1.048	1.0175	0.786	0.56	11.35
Total Copper	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Copper	MG/L	Maximum	0.0114	0.008	<0.005	0.0062	0.102	0.019	0.093	0.094	0.047	0.062	0.096	0.026	0.096
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	0.0089	0.0039	0.0025	0.0042	0.0530	0.0127	0.0538	0.0758	0.0374	0.0535	0.0794	0.0207	0.0794
Total Iron	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Iron	MG/L	Maximum	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.050	<0.050	<0.050	<0.050	<0.050	0.079	<0.3
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	0.15	0.15	0.15	0.15	0.15	0.125	0.025	0.025	0.025	0.025	0.025	0.062	0.15
Total Mercury	UG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Mercury	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	<2.0
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	1	1	1	1	1	0.8013	0.0065	0.0065	0.0078	0.0065	0.0065	0.0065	1
Total Nickel	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Nickel	MG/L	Maximum	0.0408	0.0398	0.011	0.0073	0.0091	0.013	0.0091	0.012	0.013	0.0081	0.0065	0.031	0.0408
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	0.0404	0.0180	0.0090	0.0062	0.0084	0.0117	0.0078	0.0081	0.0104	0.0074	0.0060	0.0267	0.0404
Orthophosphate	MG/L	# of Samples	4	4	3	4	4	4	0	0	0	0	0	0	23
Orthophosphate	MG/L	Maximum	<0.5	<0.5	<0.5	<0.5	<0.5	<0.400	0	0	0	0	0	0	<0.5
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.2	0	0	0	0	0	0	0.25

TABLE 66 CONTINUED: Pardy's Waste Management (Donovan's Industrial Park) 2020 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Lead	MG/L	Maximum	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.003
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	0.0015	0.0015	0.0015	0.0015	0.0015	0.0013	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0015
pH	PH UNITS	# of Samples	0	0	0	0	0	1	4	4	5	4	5	3	26
pH	PH UNITS	Maximum	0	0	0	0	0	7.55	7.68	7.66	7.74	7.80	7.60	7.62	7.80
pH	PH UNITS	Minimum	0	0	0	0	0	7.55	7.64	7.32	7.31	7.67	7.50	7.46	7.31
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	4	4	3	4	4	5	4	4	5	4	5	3	49
Phenolics	MG/L	Maximum	0.36	0.34	0.006	0.006	0.002	0.065	0.002	0.0033	0.0038	0.0014	<0.0010	0.06	0.36
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.35	0.093	0.0047	0.0048	0.0013	0.028	0.0011	0.0012	0.0021	0.0009	0.0005	0.024	0.35
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	1	4	4	5	4	5	3	26
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	0.9	0.9	1.7	1.6	0.66	0.4	4.2	4.2
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	0	0	0	0	0.9	0.67	0.74	1.11	0.61	0.32	3.63	3.63
Total Oil and Grease	MG/L	# of Samples	4	4	3	3	0	0	0	0	0	0	0	0	14
Total Oil and Grease	MG/L	Maximum	9	2	<2	<2	0	0	0	0	0	0	0	0	9
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	8.75	1.1625	1	1	0	0	0	0	0	0	0	0	8.75
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	4	5	4	4	5	4	5	3	35
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.1	0.1	0.5	<0.090	0.26	0.45	<0.090	<0.090	0.82	0.82
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	0	0.05	0.075	0.269	0.045	0.09875	0.175	0.045	0.045	0.507	0.507
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	4	4	5	4	5	3	26
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	4	4.1	3.6	5.2	1.2	1.4	6	6
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	0	0	0	0	4	3.575	2.55	2.33	0.675	0.67	4.9	4.9
Total Zinc	MG/L	# of Samples	4	4	3	4	4	5	4	4	5	4	5	3	49
Total Zinc	MG/L	Maximum	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.051	0.054	0.021	0.018	0.025	0.0073	<0.1
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	0.05	0.05	0.05	0.05	0.05	0.043	0.0315	0.0415	0.0131	0.0175	0.0204	0.0054	0.05

**TABLE 67: Rambler Metals and Mining 2020 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	1	1	0	1	1	1	0	0	1	1	1	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	0	0	1	1	1	1	9
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	0	0	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	0	0	1	1	1	1	9
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	0	2	3	3	1	0	2	3	1	3	27
Total Arsenic	MG/L	Maximum	0.00154	0.00146	0	0.0011	0.0011	0.0011	0.0011	0	0.001	0.001	0.0006	0.0012	0.00154
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0014	0.0014	0	0.0010	0.0011	0.0011	0.0011	0	0.0010	0.0010	0.0006	0.0010	0.0014
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	5	4	0	2	3	0	0	0	0	0	0	0	14
Cyanide (Total Available, unfiltered)	MG/L	Maximum	<0.0050	<0.0050	0	<0.0050	<0.0050	0	0	0	0	0	0	0	<0.0050
Cyanide (Total Available, unfiltered)	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (Total Available, unfiltered)	MG/L	Monthly Average	0.0025	0.0025	0	0.0025	0.0025	0	0	0	0	0	0	0	0.0025
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	0	3	1	0	2	3	1	3	13
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	0	<0.0050	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0	0.0025	0.0025	0.0025	0.0025	0.0025
Total Copper	MG/L	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
Total Copper	MG/L	Maximum	0.01565	0.01369	0	0.00854	0.013	0.012	0.0099	0	0.0059	0.0102	0.0104	0.0115	0.01565
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	0.0133	0.0129	0	0.0082	0.0108	0.0083	0.0099	0	0.0053	0.0097	0.0104	0.0106	0.0133
Total Nickel	MG/L	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
Total Nickel	MG/L	Maximum	0.00115	0.00117	0	0.00098	0.00096	0.0019	0.00096	0	0.00068	0.0011	0.0014	0.0011	0.0019
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	0.00107	0.00110	0	0.00092	0.00094	0.00129	0.00096	0	0.00066	0.00093	0.00140	0.00077	0.00140
Total Lead	MG/L	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
Total Lead	MG/L	Maximum	0.0051	0.00409	0	0.00266	0.0034	0.0028	0.0014	0	0.00028	0.00101	0.00094	0.00107	0.0051
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00373	0.00351	0	0.00208	0.00270	0.00197	0.00140	0	0.00020	0.00067	0.00094	0.00085	0.00373
pH	PH UNITS	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
pH	PH UNITS	Maximum	7.9	7.23	0	7.99	7.65	7.73	7.29	0	7.73	7.34	7.4	7.32	7.99
pH	PH UNITS	Minimum	6.27	6.28	0	7.18	6.04	7.35	7.29	0	6.54	6.6	7.4	6.32	6.04
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	0	2	3	3	1	0	2	3	1	3	27
Radium-226	BQ/L	Maximum	0.009	<0.005	0	<0.005	<0.005	0.007	<0.005	0	0.008	0.009	<0.005	0.009	0.009
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	0.0062	0.0025	0	0.0025	0.0025	0.004	0.0025	0	0.007	0.0048	0.0025	0.0065	0.007
Total Suspended Solids	MG/L	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
Total Suspended Solids	MG/L	Maximum	<1	6	0	<1	1	<1	<1	0	<1	<1	<1	3	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	0.5	4.5	0	0.5	0.83	0.5	0.5	0	0.5	0.5	0.5	1.33	4.5
Total Zinc	MG/L	# of Samples	5	4	0	2	3	3	1	0	2	3	1	3	27
Total Zinc	MG/L	Maximum	0.02598	0.02466	0	0.01504	0.023	0.02	0.016	0	0.011	0.03	0.029	0.03	0.03
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	0.02206	0.02358	0	0.01502	0.02	0.019	0.016	0	0.00925	0.01767	0.029	0.027	0.029

**TABLE 68: Rambler Metals and Mining 2020 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	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	0	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	1	0	0	1
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
Total Arsenic	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Arsenic	MG/L	Maximum	0.0064	0.0030	0.0031	0.0024	0.0013	0.0013	0.0440	0.0025	0.0025	0.0017	0.0016	0.0046	0.0440
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0035	0.0018	0.0022	0.0016	0.0012	0.0011	0.0165	0.0023	0.0024	0.0015	0.0015	0.0028	0.0165
Cyanide, Total	MG/L	# of Samples	5	4	5	5	4	0	0	0	0	0	0	0	23
Cyanide, Total	MG/L	Maximum	0.079	<0.0050	<0.0050	<0.0050	<0.0050	0	0	0	0	0	0	0	0.079
Cyanide, Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Total	MG/L	Monthly Average	0.0178	0.0025	0.0025	0.0025	0.0025	0	0	0	0	0	0	0	0.0178
Cyanide, SAD	MG/L	# of Samples	0	0	0	0	0	4	5	4	3	5	4	4	29
Cyanide, SAD	MG/L	Maximum	0	0	0	0	0	<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	0
Cyanide, SAD	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Copper	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Copper	MG/L	Maximum	0.2639	0.0466	0.0391	0.0366	0.0130	0.0480	0.0390	0.0540	0.0029	0.0655	0.0532	0.0806	0.2639
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	0.1146	0.0312	0.0297	0.0150	0.0116	0.0373	0.0173	0.0279	0.0026	0.0574	0.0204	0.0347	0.1146
Total Nickel	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Nickel	MG/L	Maximum	0.0051	0.0018	0.0014	0.0016	0.0012	0.0009	0.0013	0.0017	0.0013	0.0030	0.0008	0.0022	0.0051
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	0.0025	0.0013	0.0011	0.0010	0.0011	0.0008	0.0009	0.0013	0.0012	0.0023	0.0004	0.0016	0.0025
Total Lead	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Lead	MG/L	Maximum	0.0020	0.0046	0.0026	0.0038	0.0014	0.0013	0.0010	0.0010	0.0002	0.0012	0.0009	0.0004	0.0046
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0013	0.0027	0.0015	0.0018	0.0013	0.0008	0.0008	0.0005	0.0001	0.0009	0.0002	0.0002	0.0027
pH	PH UNITS	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
pH	PH UNITS	Maximum	8.77	7.46	8.16	8.58	7.97	7.89	8.64	8.77	7.04	7.57	8.69	8.02	8.77
pH	PH UNITS	Minimum	8.05	6.92	6.51	6.53	6.41	7.44	7.42	7.58	6.47	6.02	7.34	6.22	6.02
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	5	4	4	5	4	3	5	4	4	52
Radium-226	BQ/L	Maximum	0.02	0.007	0.05	0.05	0.01	0.007	0.01	<0.005	0.006	0.008	0.06	0.02	0.06
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	0.0110	0.0043	0.0180	0.0170	0.0079	0.0036	0.0047	0.0025	0.0048	0.0062	0.0256	0.0140	0.0256
Total Suspended Solids	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Suspended Solids	MG/L	Maximum	9	4	6	2	4	1.5	2.5	2	3	2	2	2	9
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	4.6	3	2	0.8	1.5	1	1.5	1.6	2.3	0.9	1.25	1	4.6
Total Zinc	MG/L	# of Samples	5	4	5	5	4	4	5	4	3	5	4	4	52
Total Zinc	MG/L	Maximum	0.8470	0.2728	0.1965	0.2287	0.1400	0.3400	0.2800	0.3900	0.0140	0.2820	0.0320	0.1660	0.8470
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	0.3810	0.1623	0.1385	0.0998	0.1225	0.1268	0.0992	0.1891	0.0094	0.2202	0.0248	0.0943	0.3810



**TABLE 69: Tacora Resources (Wabush) 2020 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	0	0	0	1	1	1	1	1	1	1	1	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	1	1	1	1	1	1	1	1	9
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	1	1	1	1	1	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	1	1	1	1	1	1	1	1	9
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	2	4	5	4	5	4	4	5	4	37
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	0	0	0	2	4	5	4	5	4	4	5	4	37
Total Copper	UG/L	Maximum	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<0.50	0.61
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	0.25	0.25	0.25	0.25	0.25	0.25	0.34	0.25	0.25	0.34
Total Nickel	UG/L	# of Samples	0	0	0	2	4	5	4	5	4	4	5	4	37
Total Nickel	UG/L	Maximum	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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	1	1	1	1	1	1	1	1	1	1
Total Lead	UG/L	# of Samples	0	0	0	2	4	5	4	5	4	4	5	4	37
Total Lead	UG/L	Maximum	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	0	0	0	2	4	5	4	5	4	4	5	4	37
pH	PH UNITS	Maximum	0	0	0	7.3	7.34	7.7	7.58	7.66	7.55	7.55	7.41	7.35	7.7
pH	PH UNITS	Minimum	0	0	0	7.17	7.07	7.31	7.35	7.39	7.47	7.43	7.23	7.08	7.07
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	2	4	5	4	5	4	4	5	4	37
Radium-226	BQ/L	Maximum	0	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	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	2	4	5	4	4	4	5	5	4	37
Total Suspended Solids	MG/L	Maximum	0	0	0	2.4	3	2.6	6.8	1.8	2	11	1.4	3.2	11
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	2.10	2.43	1.39	4.13	1.45	1.21	4.19	0.63	1.73	4.19
Total Zinc	UG/L	# of Samples	0	0	0	2	4	5	4	5	4	4	5	4	37
Total Zinc	UG/L	Maximum	0	0	0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7	5.5	7
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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.25	3.4

**TABLE 70: Tacora Resources (Wabush) 2020 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	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
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
Total Arsenic	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Arsenic	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 Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	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	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Copper	UG/L	Maximum	4.9	<0.50	<0.50	0.97	0.66	0.96	<0.50	0.59	0.63	<0.50	0.61	0.68	4.9
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	1.41	0.25	0.25	0.43	0.35	0.55	0.25	0.32	0.35	0.25	0.39	0.54	1.41
Total Nickel	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Lead	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
pH	PH UNITS	Maximum	7.64	7.73	7.62	7.58	7.48	7.9	7.68	8.03	7.71	7.83	7.75	7.56	8.03
pH	PH UNITS	Minimum	7.31	7.42	7.16	7.41	7.38	7.49	7.47	7.59	7.46	7.68	7.53	7.34	7.16
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	4	5	4	4	5	4	5	4	4	5	4	52
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
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	4	4	5	4	4	52
Total Suspended Solids	MG/L	Maximum	1.6	1.8	2.8	3.8	7.2	14	6.4	1.6	7.4	7.8	13	6	14
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	1.01	1.21	1.56	1.91	5.35	9.84	4.10	1.30	5.55	5.00	8.60	5.28	9.84
Total Zinc	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	5.2	<5.0	<5.0	6.4	<5.0	<5.0	5.4	6.4
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	2.50	2.50	2.50	2.50	2.50	3.04	2.50	2.50	4.18	2.50	2.50	3.23	4.18

**TABLE 71: Tacora Resources (Wabush) 2020 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	1	1	1	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	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	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	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	UG/L	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Arsenic	UG/L	Exceedance(>1000)	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
Total Copper	UG/L	Maximum	0	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Total Nickel	UG/L	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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	1	1	1	1	1	1	1	1
Total Lead	UG/L	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>400)	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
pH	PH UNITS	Maximum	0	0	0	0	7.61	7.67	8.18	8.32	7.54	7.57	7.52	7.41	8.32
pH	PH UNITS	Minimum	0	0	0	0	7.61	7.67	7.45	7.38	7.2	7.45	7.37	6.95	6.95
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	4	5	4	4	5	4	28
Radium-226	BQ/L	Maximum	0	0	0	0	<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	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	1	4	4	4	5	5	4	29
Total Suspended Solids	MG/L	Maximum	0	0	0	0	4.2	0.8	3.3	1	2.2	3.4	1.4	2	4.2
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	0	3.80	0.80	1.74	0.63	0.74	2.04	0.48	1.55	3.80
Total Zinc	UG/L	# of Samples	0	0	0	0	1	1	4	5	4	4	5	4	28
Total Zinc	UG/L	Maximum	0	0	0	0	<5.0	<5.0	<5.0	7	6.6	<5.0	<5.0	<5.0	7
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	2.50	2.50	2.50	3.40	3.53	2.50	2.50	2.50	3.53

**TABLE 72: Tacora Resources (Wabush) 2020 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	2	2	1	2	1	1	1	0	1	1	1	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	2	1	2	1	1	1	0	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	2	2	1	2	1	1	1	0	1	1	1	14
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	2	2	1	2	1	1	1	0	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	UG/L	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
Total Arsenic	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0	<1.0	<1.0	<1.0
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
Total Copper	UG/L	Maximum	0.92	1.6	1	0.79	2.8	1.9	4.3	1.2	0	0.68	0.52	0.59	4.3
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	0.85	1.12	0.63	0.76	1.72	0.97	2.09	0.89	0	0.68	0.32	0.34	2.09
Total Nickel	UG/L	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	2.8	<2.0	<2.0	<2.0	0	<2.0	<2.0	<2.0	2.8
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	1	1	1	1	1.725	1	1	1	0	1	1	1	1.725
Total Lead	UG/L	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
Total Lead	UG/L	Maximum	<0.50	0.53	<0.50	<0.50	0.63	<0.50	<0.50	<0.50	0	<0.50	<0.50	<0.50	0.63
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.39	0.25	0.25	0.345	0.25	0.25	0.25	0	0.25	0.25	0.25	0.39
pH	PH UNITS	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
pH	PH UNITS	Maximum	7.3	7.58	7.24	7.19	7.46	7.58	7.6	7.65	0	7.78	8	7.6	8
pH	PH UNITS	Minimum	7.18	7.22	7.11	7.02	7.21	7.39	7.4	7.54	0	7.78	7.47	7.21	7.02
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	2	3	3	4	4	3	3	0	1	4	4	33
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<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	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	3	5	5	3	8	4	3	3	0	1	4	4	43
Total Suspended Solids	MG/L	Maximum	13	27	21	9.6	45	22	18	19	0	4	8.5	2.8	45
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Monthly Average	7.20	10.41	8.40	5.13	27.38	12.20	15.67	10.13	0	4.00	4.38	2.05	27.38
Total Zinc	UG/L	# of Samples	2	2	3	3	4	4	3	3	0	1	4	4	33
Total Zinc	UG/L	Maximum	6.2	6.6	<5.0	<5.0	12	7.3	12	230	0	8.2	6.6	9.6	230
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	5.60	6.30	2.50	2.50	8.25	5.45	7.93	78.33	0	8.20	6.05	8.05	78.33

**TABLE 73: Tacora Resources (Wabush) 2020 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	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
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
Total Arsenic	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Arsenic	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 Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	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	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Copper	UG/L	Maximum	3.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	0.9	<0.50	0.65	3.2
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	0.99	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.33	0.41	0.25	0.35	0.99
Total Nickel	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	8.1	8.1
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	1	1	1	1	1	1	1	1	1	1	1	2.775	2.775
Total Lead	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
pH	PH UNITS	Maximum	7.79	7.65	7.66	7.54	7.61	7.72	7.71	7.71	7.74	7.74	7.73	7.61	7.79
pH	PH UNITS	Minimum	7.49	7.39	7.08	7.47	7.5	7.48	7.51	7.59	7.67	7.64	7.57	7.39	7.08
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	4	5	4	4	5	4	5	4	4	5	4	52
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
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	4	4	5	5	4	52
Total Suspended Solids	MG/L	Maximum	1.2	1.8	1.1	<0.50	2	1.8	0.7	1.6	1.2	1.4	1.6	1	2
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	0.49	0.88	0.47	0.25	1.11	0.69	0.36	0.96	0.49	1.05	0.75	0.44	1.11
Total Zinc	UG/L	# of Samples	4	4	5	4	4	5	4	5	4	4	5	4	52
Total Zinc	UG/L	Maximum	6.1	8.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.5	8.9
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	3.40	5.18	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	3.25	5.18

**TABLE 74: Tata Steel Minerals Canada Limited 2020 COASW11**

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	1	0	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	1.3	1.2	0	0	0	0	0	0	1.3
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	1.3	1.2	0	0	0	0	0	0	1.3
Total Copper	UG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	2.4	2.6	0	0	0	0	0	0	2.6
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	2.4	2.6	0	0	0	0	0	0	2.6
Total Nickel	UG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	<2.0	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	1	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0.64	0.59	0	0	0	0	0	0	0.64
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.64	0.59	0	0	0	0	0	0	0.64
pH	PH UNITS	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.44	6.67	0	0	0	0	0	0	6.67
pH	PH UNITS	Minimum	0	0	0	0	6.44	6.67	0	0	0	0	0	0	6.44
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	0	0	0	0	0	0	0	1
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
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	28	32	0	0	0	0	0	0	32
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	28	32	0	0	0	0	0	0	32
Total Zinc	UG/L	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	32	24	0	0	0	0	0	0	32
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	32	24	0	0	0	0	0	0	32

**TABLE 75: Teck Resources (Millertown) 2020 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	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
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
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Arsenic	MG/L	Maximum	0.0005	0.0004	0.0004	0.0004	0.0006	0.0007	0.0005	0.0005	0.0005	0.0006	0.0011	0.0021	0.0021
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0008	0.0009	0.0009
Cyanide, Total	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Cyanide, Total	MG/L	Maximum	<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
Cyanide, Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Total	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 Copper	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Copper	MG/L	Maximum	0.0161	0.0159	0.0141	0.0165	0.051	0.0297	0.0129	0.016	0.0156	0.0152	0.0232	0.0155	0.051
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	0.0153	0.0144	0.0133	0.0150	0.0338	0.0199	0.0092	0.0136	0.0146	0.0148	0.0172	0.0135	0.0338
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Nickel	MG/L	Maximum	0.0015	0.0018	0.0019	0.0018	0.0016	0.0015	0.0018	0.0015	0.0007	0.0005	0.0004	0.0006	0.0019
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	0.0011	0.0017	0.0017	0.0014	0.0011	0.0012	0.0016	0.0009	0.0004	0.0002	0.0004	0.0004	0.0017
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Lead	MG/L	Maximum	0.0007	0.00061	0.00052	0.0006	0.00206	0.0019	0.00179	0.00071	0.00057	0.00128	0.00361	0.00116	0.00361
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0006	0.0005	0.0004	0.0004	0.0013	0.0013	0.0011	0.0006	0.0004	0.0011	0.0021	0.0009	0.0021
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
pH	PH UNITS	Maximum	7.36	7.52	7.75	7.59	7.23	7.95	7.52	7.63	7.56	7.62	7.57	7.38	7.95
pH	PH UNITS	Minimum	7.13	7.39	7.47	7.11	6.92	7.36	7.47	7.39	7.44	7.39	7.44	7.29	6.92
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	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.006	0.01	<0.005	<0.005	<0.005	0.01
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	0.0025	0.0025	0.0025	0.005	0.0025	0.006	0.01	0.0025	0.0025	0.0025	0.01
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Suspended Solids	MG/L	Maximum	2	2	2	2	2	2	4	2	2	2	5	6	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	1.5	1.75	1.2	1.75	1.25	1.4	2	1.5	1.4	1.75	2.75	2.2	2.75
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	4	5	52
Total Zinc	MG/L	Maximum	0.305	0.236	0.189	0.164	0.323	0.167	0.187	0.127	0.058	0.065	0.058	0.055	0.323
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	0.239	0.2055	0.1704	0.1215	0.189	0.1424	0.16775	0.1035	0.051	0.054	0.05275	0.0424	0.239

**TABLE 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	<2.5	<2.5	3.1	<2.5	<2.5	<2.5	<2.5	3.1
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	1	1	1	1	1.1	1.13	1.59	1.25	1.25	1.25	1.25	1.59
Total Copper	UG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Copper	UG/L	Maximum	4	4	3	3	4	10	6	4	5	6	4	4	10
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	4	4	2.5	2.25	2.75	5.4	4.5	3.75	4.5	5.25	3.5	3.75	5.4
Total Nickel	UG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Nickel	UG/L	Maximum	15	22	2970	567	268	99	37	78.6	21.1	12.9	<12.5	25.3	2970
Total Nickel	UG/L	Exceedance(>1000)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Nickel	UG/L	Monthly Average	15	22	765.5	158.75	89.5	51.22	20.23	37.63	15.64	7.91	6.25	11.01	765.5
Total Lead	UG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Lead	UG/L	Maximum	0.5	<0.5	1	0.7	1.3	2.6	2.3	2.3	1.5	1.3	1.4	3.2	3.2
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.5	0.25	0.53	0.54	0.79	1.21	1.44	1.1	0.98	1.03	1.15	1.35	1.44
pH	PH UNITS	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
pH	PH UNITS	Maximum	6.78	5.68	6.89	6.75	7.09	7.00	7.10	7.35	7.13	7.15	7.48	7.07	7.48
pH	PH UNITS	Minimum	6.78	5.68	6.57	6.36	6.49	5.19	6.42	6.99	6.49	6.63	6.71	6.31	5.19
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Suspended Solids	MG/L	Maximum	<2	<2	<5	<2	8	4	5	6	<2	3	2	20	20
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	1	1	1.75	1	2.75	1.8	2	2.25	1	1.5	1.5	7	7
Total Zinc	UG/L	# of Samples	1	1	4	4	4	5	4	4	4	4	4	4	43
Total Zinc	UG/L	Maximum	15	23	61	22	34	42	36	61	23	26	18	23	61
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	15	23	24.5	14	22	24.6	25.25	34	21	22	15.5	18.75	34

**TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D25**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Arsenic	UG/L	Maximum	<2	0	0	<2	<2	<2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0	0	1	1	1	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Copper	UG/L	Maximum	<1	0	0	<1	2	5	2	1	<1	2	2	<1	5
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	0.5	0	0	0.5	2	5	2	1	0.5	2	2	0.5	5
Total Nickel	UG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Nickel	UG/L	Maximum	<2	0	0	<2	<2	<2	15.3	<12.5	<12.5	<12.5	<12.5	<12.5	15.3
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	1	0	0	1	1	1	15.3	6.25	6.25	6.25	6.25	6.25	15.3
Total Lead	UG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Lead	UG/L	Maximum	<0.5	0	0	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0.25	0.25	0.7	0.25	0.25	0.25	0.25	0.25	0.25	0.7



**TABLE 77 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D25**

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	1	1	1	1	1	1	1	1	10
pH	PH UNITS	Maximum	6.5	0	0	6.36	6.38	5.04	6.52	6.81	6.62	6.39	7.13	6.77	7.13
pH	PH UNITS	Minimum	6.5	0	0	6.36	6.38	5.04	6.52	6.81	6.62	6.39	7.13	6.77	5.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Suspended Solids	MG/L	Maximum	<2	0	0	<2	<2	3	5	6	<2	<2	5	4	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	1	0	0	1	1	3	5	6	1	1	5	4	6
Total Zinc	UG/L	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
Total Zinc	UG/L	Maximum	<5	0	0	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10
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	2.5	0	0	2.5	2.5	2.5	5	5	5	5	5	5	5

**TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D3**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Arsenic	UG/L	Maximum	<2	0	<2	<2	<2	<2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0	1	1	1	1	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Copper	UG/L	Maximum	1	0	2	2	5	5	2	2	5	4	2	3	5
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	1	0	2	2	5	5	2	2	5	4	2	3	5
Total Nickel	UG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Nickel	UG/L	Maximum	<2	0	3	2	5	4	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
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	1	0	3	2	5	4	6.25	6.25	6.25	6.25	6.25	6.25	6.25
Total Lead	UG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Lead	UG/L	Maximum	0.6	0	0.9	0.9	4	3.8	<0.5	0.5	3	2.3	1.1	1	4
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.6	0	0.9	0.9	4	3.8	0.25	0.5	3	2.3	1.1	1	4
pH	PH UNITS	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
pH	PH UNITS	Maximum	6.88	0	6.84	7.04	7.03	5.30	7.53	7.54	7.04	7.15	7.53	7.20	7.54
pH	PH UNITS	Minimum	6.88	0	6.84	7.04	7.03	5.30	7.53	7.54	7.04	7.15	7.53	7.20	5.30
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Suspended Solids	MG/L	Maximum	<2	0	<2	<2	26	3	<2	<2	<2	<2	2	<2	26
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	1	0	1	1	26	3	1	1	1	1	2	1	26
Total Zinc	UG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Total Zinc	UG/L	Maximum	5	0	10	6	10	12	<10	<10	<10	<10	<10	<10	12
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	5	0	10	6	10	12	5	5	5	5	5	5	12

**TABLE 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 D5**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	1	1	1	1	1	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	1	1	<1	2	2	3	2	2	3	3	3	2	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	1	1	0.5	2	2	3	2	2	3	3	3	2	3
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Nickel	UG/L	Maximum	4	5	<2	3	3	5	<12.5	<12.5	17.5	<12.5	<12.5	<12.5	17.5
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	4	5	1	3	3	5	6.25	6.25	17.5	6.25	6.25	6.25	17.5
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.5	<0.5	<0.5	<0.5	0.6	1.3	<0.5	<0.5	0.6	<0.5	1.6	<0.5	1.6
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.6	1.3	0.25	0.25	0.6	0.25	1.6	0.25	1.6
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.87	5.42	6.72	6.75	6.97	5.66	6.84	7.11	7.06	6.82	7.38	7.06	7.38
pH	PH UNITS	Minimum	6.87	5.42	6.72	6.75	6.97	5.66	6.84	7.11	7.06	6.82	7.38	7.06	5.42
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Suspended Solids	MG/L	Maximum	<2	<2	2	<2	3	2	3	3	<2	2	27	2	27
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	1	1	2	1	3	2	3	3	1	2	27	2	27
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<5	<5	<5	46	6	7	<10	<10	<10	<10	<10	<10	46
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	2.5	2.5	2.5	46	6	7	5	5	5	5	5	5	46

**TABLE 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 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	1	1	1	1	1	1	1	0	0	1	0	0	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	0	0	1	0	0	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	1	1	1	0	0	1	0	0	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	0	0	1	0	0	8
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	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Arsenic	UG/L	Maximum	<2.5	2	3.4	<2.5	3.3	2.8	3	3.3	2.8	4	3	2.9	4
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.19	1.44	1.86	1.19	1.96	1.66	2.08	2.78	1.81	2.42	2.26	2.22	2.78
Total Copper	UG/L	# of Samples	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Copper	UG/L	Maximum	3	5	8	8	9	5	6	5	5	7	4	5	9
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	3	4.5	4.7	5.75	5.4	3.8	4.5	4.5	3.8	4.4	3.5	4.2	5.75
Total Nickel	UG/L	# of Samples	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Nickel	UG/L	Maximum	103	123	67	71	76.3	90.1	89.2	90.4	168	203	137	92.4	203
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	62.15	84.15	56.52	62.35	65.78	75.26	67.075	83.43	89.02	171.4	113	64.36	171.4

**TABLE 80 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2020 FDP1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Lead	UG/L	Maximum	<0.5	<0.5	<0.5	<0.5	1	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.4	0.46	0.25	0.25	0.25	0.25	0.25	0.25	0.46
pH	PH UNITS	# of Samples	4	4	7	4	5	5	5	4	5	6	5	5	59
pH	PH UNITS	Maximum	7.56	7.62	7.60	7.61	7.64	7.75	7.55	7.69	7.73	7.63	7.70	7.61	7.75
pH	PH UNITS	Minimum	7.18	6.68	6.94	7.5	7.47	7.46	7.47	7.57	7.28	7.33	7.36	6.98	6.68
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	1	1	1	1	0	1	1	0	2	1	0	10
Radium-226	BQ/L	Maximum	0.009	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005	0	0.01	<0.005	0	0.01
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	0.009	0.0025	0.0025	0.0025	0.0025	0	0.0025	0.0025	0	0.0085	0.0025	0	0.009
Total Suspended Solids	MG/L	# of Samples	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Suspended Solids	MG/L	Maximum	5	5	3	4	6	8	2	4	3	4	5	4	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	2.75	4	2.17	1.75	2.8	4.6	1.25	2.5	2.1	2.1	3.1	2.6	4.6
Total Zinc	UG/L	# of Samples	4	4	6	4	5	5	4	4	5	5	4	5	55
Total Zinc	UG/L	Maximum	481	14	6	<10	6	14	11	16	<10	9	12	<10	481
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	123.38	7.75	4.75	4.38	4.7	8.1	5.88	7.13	5	5.3	6.13	5	123.38

**TABLE 81: Vale Newfoundland and Labrador (Voisey's Bay) 2020 Port Site Sed 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	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	1	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	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	0	1	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	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<2	0	0	0	0	0	0	<2
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1
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	2	0	0	0	0	0	0	2
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	0	2	0	0	0	0	0	0	2
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	408	0	0	0	0	0	0	408
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	0	408	0	0	0	0	0	0	408
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	<0.5	0	0	0	0	0	0	<0.5
Total Lead	UG/L	Exceedance(>400)	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	7.47	0	0	0	0	0	0	7.47
pH	PH UNITS	Minimum	0	0	0	0	0	7.47	0	0	0	0	0	0	7.47
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	1	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.005	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	0	0	0	0	0.0025	0	0	0	0	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<2	0	0	0	0	0	0	<2
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	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	0	0	0	0	0	0	<5
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	0	2.5	0	0	0	0	0	0	2.5

**TABLE 82: Vale Newfoundland and Labrador (Voisey's Bay) 2020 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	0	1	0	0	1	0	0	1	0	0	1	0	4
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	1	0	0	0	0	0	1	0	0	1	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	0	1	0	0	1	0	0	1	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	1	0	0	1	0	0	1	0	4
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	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	2	3
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	1	1	1	1	1	1	1	1	1	1.4	1.25	1.4
Total Copper	UG/L	# of Samples	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Copper	UG/L	Maximum	3	3	2	9	6	7	83	3	6	3	2	2	83
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	2.25	2.4	1.7	4.2	4	4.4	23	2.25	2.8	2.5	1.8	1.5	23
Total Nickel	UG/L	# of Samples	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Nickel	UG/L	Maximum	55	62	56	50	767	235	180	70	60	81	67	63	767
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	49.75	51.2	44	41.6	349.5	138.2	98.5	53.75	51.2	69	46.8	51.25	349.5
Total Lead	UG/L	# of Samples	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Lead	UG/L	Maximum	<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 Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	5	6	5	4	5	4	4	6	4	6	6	59
pH	PH UNITS	Maximum	8.55	8.53	8.58	8.57	8.68	8.37	8.37	8.06	7.49	8.01	8.15	8.07	8.68
pH	PH UNITS	Minimum	7.86	8.36	7.86	7.96	7.69	7.5	7.17	7.38	7.22	7.5	7.75	7.61	7.17
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	2	1	0	2	0	0	1	0	1	1	0	8
Radium-226	BQ/L	Maximum	0	0.006	<0.005	0	0.006	0	0	<0.005	0	<0.005	<0.005	0	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	0.00425	0.0025	0	0.00425	0	0	0.0025	0	0.0025	0.0025	0	0.00425
Total Suspended Solids	MG/L	# of Samples	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Suspended Solids	MG/L	Maximum	4	4	<2	3	4	6	4	3	5	6	4	3	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	2.3	2.8	1	2.16	3.25	4.4	2.25	2.5	2.8	3.75	3	1.5	4.4
Total Zinc	UG/L	# of Samples	4	5	6	5	4	5	4	4	5	4	5	4	55
Total Zinc	UG/L	Maximum	<5	<5	<5	<5	<5	<5	6	<5	6	<5	<5	<5	6
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	2.5	2.5	2.5	2.5	2.5	2.5	3.4	2.5	3.2	2.5	2.5	2.5	3.4