Environment, Climate Change and Municipalities

Industrial Effluent Compliance

2019 Annual Report

November 2020

Newfoundland Labrador

Contents

Executive Summary

The Newfoundland and Labrador Department of Environment, Climate Change and Municipalities (ECCM) regulates effluent under the *Environmental Control Water and Sewage Regulations NLR 65/03* (ECWSR). In April 2009, the ECWSR was amended. The amendment adopted specific 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.

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

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

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

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

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

https://laws-lois.justice.gc.ca/PDF/C.R.C.,_c._828.pdf

In 2019, there were more than 30 facilities reporting effluent quality to ECCM 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 2019.

Points to Note:

- The data presented is based upon reports submitted to ECCM by industry, as of October 2020.
- 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

2019 COA

Approval #: AA17-085645
Issue Date: August 10, 2017
Expiration: August 10, 2022

Anaconda Mining Incorporated discharged effluent from the Polishing Pond in 2019. There was one *Daphnia magna* ALT failure reported. It should be noted that this is a monitoring test only and not considered a compliance determinant analysis.

Environmental Effects Monitoring
The Anaconda cycle four study design was reviewed in 2019.

See Table 1: Anaconda 2019 Polishing Pond Discharge (FDP)

Atlantic Minerals Limited

Lower Cove

2019 COA

Approval #: AA14-035590
Issue Date: March 31, 2014
Expiration: March 31, 2019
Approval #: AA19-115654
Issue Date: November 26, 2019
Expiration: November 26, 2024

Atlantic Minerals Limited (Lower Cove) discharged effluent at three locations in 2019. There was one total suspended solids (TSS) exceedance reported at the HiCal Trench.

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

See Table 2: Atlantic Minerals Lower Cove 2019 Goose Pond
Table 3: Atlantic Minerals Lower Cove 2019 DL Quarry 2
Table 4: Atlantic Minerals Lower Cove 2019 HiCal Trench

Corner Brook

2019 Monitoring

As per letter from PPD
Issue Date: March 10, 2005

Atlantic Minerals Limited (Corner Brook) collected samples at two locations in 2019. There were three total dissolved solids (TDS) exceedances at the Shale Quarry.

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

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

Beaver Brook Antimony Mine Incorporated

2019 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
The Beaver Brook cycle three study design was reviewed in 2019.

See Table 7: Beaver Brook 2019 Site 16

Canada Fluorspar Incorporated

2019 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 2019, there was one iron, three ammonia, three nitrate, one lead, six pH, four TSS and two zinc exceedances reported at WQ STA 22. There were three iron, five nitrate, 13 lead, five pH, 11 TSS and six zinc exceedances reported at WQ STA 23. There was one copper, one iron, nine lead, 18 TSS and eight zinc exceedances reported at WQ STA 24. There were four iron, one ammonia, 19 nitrate, 13 lead, one TDS, 22 TSS and seven zinc exceedances reported at WQ STA 25.

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

See Table 8: Canada Fluorspar Incorporated 2019 WQ STA 22
Table 9: Canada Fluorspar Incorporated 2019 WQ STA 23
Table 10: Canada Fluorspar Incorporated 2019 WQ STA 24
Table 11: Canada Fluorspar Incorporated 2019 WQ STA 25

Carino

2019 COA

Approval #: AA13-125586
Issue Date: December 18, 2013
Expiration: December 18, 2018
Extension: December 31, 2019

Carino Processing Limited has one effluent discharge location. Exceedances reported in the effluent discharge in 2019 included: 14 biochemical oxygen demand (BOD), one chromium, seven iron, 10 ammonia, three pH, 19 phenolics, eight TDS, 10 total oil and grease (TOG), and eight TSS.

Environmental Effects Monitoring
There were no EEM submissions for 2019.

See Table 12: Carino 2019 Effluent Discharge

Central Regional Waste Service Board

2019 COA

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 2019, there was one BOD, three ammonia and two TDS exceedances reported at SW9.

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

See Table 13: Central Regional Services Board 2019 SW9

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

2019 COA
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. There were three iron exceedances reported at LW2 in 2019.

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

See Table 14: City of St. John's – Robin Hood Bay Landfill 2019 LW2

Corner Brook Pulp and Paper Limited

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

Corner Brook Pulp and Paper Limited have two discharge locations, East Sewer and Effluent Treatment. There was one *Rainbow trout* ALT failure and one *Daphnia magna* ALT failure reported in 2019 at the East Sewer location. There was one total TSS daily discharge exceedance reported in January 2019.

Environmental Effects Monitoring
There were no EEM submissions for 2019.

See Table 15: Corner Brook Pulp and Paper 2019 East Sewer
Table 16: Corner Book Pulp and Paper 2019 Effluent Treatment
Table 17: Corner Brook Pulp and Paper 2019 Total Mill Discharge

Country Ribbon Incorporated

2019 COA
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 2019 there were 37 BOD, one orthophosphate, 21 TOG and 17 TSS exceedances reported at this location.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 18: Country Ribbon Incorporated (White Hills Road) 2019 Post DAF Sampling

DJ Composites

2019 Monitoring As per letter from PPD
Issue Date: March 8, 2012

DJ Composites has one effluent discharge location. There were no exceedances reported in 2019.

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

See Table 19: DJ Composites 2019 Effluent

Department of Industry, Energy and Technology (Buchans)

2019 Monitoring

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

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

See Table 20: Department of Industry, Energy and Technology (Buchans) 2019 PH1 & PH2 Combined
Table 21: Department of Industry, Energy and Technology (Buchans) 2019 Site 1
Table 22: Department of Industry, Energy and Technology (Buchans) 2019 Site 12
Table 23: Department of Industry, Energy and Technology (Buchans) 2019 Site 17
Table 24: Department of Industry, Energy and Technology (Buchans) 2019 Site 2

Department of Industry, Energy and Technology (Whalesback)

2019 Monitoring

The Tunnel Exit location was monitored at the Whalesback Mine by the Department of Industry, Energy and Technology. There were no exceedances reported in 2019.

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

See Table 25: Department of Industry, Energy and Technology (Whalesback) 2019 Tunnel Exit

Department of Industry, Energy and Technology (Hope Brook)

2019 Monitoring

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 2019.

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

See Table 26: Department of Industry, Energy and Technology (Hope Brook) 2019 BHB#6
Table 27: Department of Industry, Energy and Technology (Hope Brook) 2019 Banana Pond
Table 28: Department of Industry, Energy and Technology (Hope Brook) 2019 Catch Basin
Table 29: Department of Industry, Energy and Technology (Hope Brook) 2019 Inlet to BHB
Table 30: Department of Industry, Energy and Technology (Hope Brook) 2019 Open Pit Spillway
Table 31: Department of Industry, Energy and Technology (Hope Brook) 2019 Pine Pond
Table 32: Department of Industry, Energy and Technology (Hope Brook) 2019 Polish Pond

Department of Industry, Energy and Technology (Gullbridge)

2019 Monitoring

The discharge location at the Gullbridge mine site (Below Berm) is sampled by the Department of Industry, Energy and Technology. In 2019, there was three copper and three pH exceedances reported at this site.

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

See Table 33: Department of Industry, Energy and Technology (Gullbridge) 2019 Below Berm

Department of Transportation and Infrastructure (Grand Falls)

2019 Monitoring

The Department of Transportation and Infrastructure samples the discharge located at the North Sewer of the remediated pulp and paper site in Grand Falls. There were two TSS exceedances reported in 2019.

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

See Table 34: Department of Transportation and Infrastructure (Grand Falls) 2019 North Sewer

Envirosystems

2019 COA

Approval #:	WMS-07-07-017
Issue Date:	April 1, 2018
Expiration:	March 31, 2023

Envirosystems Incorporated has one waste water discharge location. There was one phenolics exceedance reported in 2019.

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

See Table 35: Envirosystems 2019 Waste Water Discharge

Husky Oil Operations – Atlantic (Argentia)

2019 COA

Approval #:	AA13-115582B
Issue Date:	October 3, 2014
Amendment:	June 14, 2018

Expiration: November 30, 2019
Extension: December 31, 2020

Husky Oil Operations Limited – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir and the Settlement Pond #2 weir. In 2019, there were 12 ammonia exceedances and two TDS exceedance reported at Settlement Pond #1 weir. There were 12 ammonia and 12 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 (Argentia) 2019 Settlement Pond #1 Weir
Table 37: Husky Oil Operations – Atlantic (Argentia) 2019 Settlement Pond #2 Weir

Iron Ore Company of Canada

2019 COA
Approval #: AA13-045575B
Issue Date: April 9, 2013
Amendment: February 2, 2016
Expiration: April 9, 2018
Extension: December 31, 2019
Approval #: AA16-055636
Issue Date: May 19, 2016
Expiration: December 31, 2017
Extension: December 31, 2019

The Iron Ore Company of Canada collected samples at ten discharge locations in 2019. There were two TSS exceedances and a monthly average TSS exceedance reported at FDP-HC in May 2019.

Environmental Effects Monitoring
The Iron Ore Company of Canada cycle six study design was reviewed in 2019.

See Table 38: Iron Ore Company of Canada (Labrador City) 2019 FDP-HC
Table 39: Iron Ore Company of Canada (Labrador City) 2019 FDP-MD30
Table 40: Iron Ore Company of Canada (Labrador City) 2019 FDP-JN
Table 41: Iron Ore Company of Canada (Labrador City) 2019 FDP-W3-02
Table 42: Iron Ore Company of Canada (Labrador City) 2019 MD5
Table 43: Iron Ore Company of Canada (Labrador City) 2019 FDP-LLN
Table 44: Iron Ore Company of Canada (Labrador City) 2019 FDP-W3-06
Table 45: Iron Ore Company of Canada (Labrador City) 2019 PD-11
Table 46: Iron Ore Company of Canada (Labrador City) 2019 PD-19
Table 47: Iron Ore Company of Canada (Labrador City) 2019 PD-25

Labatt Breweries

2019 COA
Approval #: AA15-075607
Issue Date: July 27, 2015
Expiration: July 27, 2020

Labatt Breweries Newfoundland has one discharge point designated Water Chemistry. In 2019, there were 38 BOD, one copper, two orthophosphate, eight pH, and 25 TSS exceedances reported.

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

See Table 48: Labatt Breweries Newfoundland (St. John's) 2019 Water Chemistry

Molson Coors Canada

2019 COA

Approval #: AA17-065642
Issue Date: June 30, 2017
Expiration: June 30, 2022

Molson Coors Canada, St. John's has one discharge point designated Water Chemistry. In 2019, there were 49 BOD, two orthophosphate 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) 2019 Water Chemistry

Newfoundland Transshipment Limited

2019 COA

Approval #: AA18-035648
Issue Date: March 13, 2018
Expiration: March 12, 2023

Newfoundland Transshipment Limited monitors water quality at nine locations. There were no exceedances reported in 2019.

Environmental Effects Monitoring
The 2018 Newfoundland Transshipment Limited Marine EEM report was reviewed in 2019.

See Table 50: Newfoundland Transshipment Limited 2019 Oily Water Separator
Table 51: Newfoundland Transshipment Limited 2019 Remote Impoundment Pond
Table 52: Newfoundland Transshipment Limited 2019 Tank No. 1
Table 53: Newfoundland Transshipment Limited 2019 Tank No. 2
Table 54: Newfoundland Transshipment Limited 2019 Tank No. 3
Table 55: Newfoundland Transshipment Limited 2019 Tank No. 4
Table 56: Newfoundland Transshipment Limited 2019 Tank No. 5
Table 57: Newfoundland Transshipment Limited 2019 Tank No. 6
Table 58: Newfoundland Transshipment Limited 2019 Tank No. 7

Newfoundland and Labrador Hydro (Holyrood)

2019 COA

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 2019, one BOD and one TDS exceedance was reported at the CT-OS and one TOG exceedance was reported at OS2.

Environmental Effects Monitoring

The 2018-2020 EEM study design was reviewed in 2019.

See Table 59: Newfoundland and Labrador Hydro (Holyrood) 2019 CT-OS
Table 60: Newfoundland and Labrador Hydro (Holyrood) 2019 Continuous Basin
Table 61: Newfoundland and Labrador Hydro (Holyrood) 2019 OS1
Table 62: Newfoundland and Labrador Hydro (Holyrood) 2019 OS2
Table 63: Newfoundland and Labrador Hydro (Holyrood) 2019 WWTP

North Atlantic Refining Limited

2019 COA

Approval #: AA14-115594
Issue Date: November 13, 2014
Expiration: December 31, 2016
Extension: December 31, 2019

North Atlantic Refining Limited has one discharge point, the outfall to sea location. In 2019 there were no exceedances reported.

Environmental Effects Monitoring
The 2018 Marine Environmental Effects Monitoring program was reviewed in 2019.

See Table 64: North Atlantic Refining Ltd 2019 Outfall to Sea

Pardy's Waste Management (Incinerator Road)

2019 COA

Approval #: WMS-15-10-013
Issue Date: November 1, 2015
Expiration: November 1, 2020

Pardy's Waste Management has one discharge location from the waste water treatment plant at the Incinerator Road location. In 2019, there were seven BOD, one total coliform, 19 nitrate, one pH, 22 TDS and three TSS exceedances reported.

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

See Table 65: Pardy's Waste Management 2019 Waste Water Treatment Plant

Rambler Metals and Mining Canada Limited

2019 COA

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 these are monitoring tests only and not considered compliance determinant analyses.

Environmental Effects Monitoring
The Nugget Pond cycle five interpretive report was reviewed in 2019.

See Table 66: Rambler Metals and Mining 2019 No.2 Polishing Pond
Table 67: Rambler Metals and Mining 2019 Treated Mine Effluent

Tacora Resources

2019 COA Approval #: AA18-015646
Issue Date: January 22, 2018
Expiration: January 22, 2023

Tacora Resources collected samples from five discharge points in 2019. There were four pH exceedances reported at the East Pit 2 Settling Basin. There were two *Daphnia magna* ALT failures and 18 TSS exceedances reported at the Flora Lake Discharge. There were two *Daphnia magna* ALT failures and four TSS exceedances reported at the Knoll Lake Discharge. There were two *Daphnia magna* ALT failures and 14 TSS exceedances reported at the Tailings Line Emergency Dump Basin. There were four *Daphnia magna* ALT failures reported at the West Pit Dewatering Settling Basin. It should be noted that the *Daphnia magna* ALTs are monitoring tests only and not considered compliance determinant analyses.

Environmental Effects Monitoring
The Tacora Resources cycle six study design was reviewed in 2019.

See Table 68: Tacora Resources (Wabush) 2019 East Pit 2 Dewatering (Sylvio Settling Basin)
Table 69: Tacora Resources (Wabush) 2019 Flora Lake Discharge
Table 70: Tacora Resources (Wabush) 2019 Knoll Lake Discharge (Settling Basin)
Table 71: Tacora Resources (Wabush) 2019 Tailings Line Emergency Dump Basin #1 (Settling Basin)
Table 72: Tacora Resources (Wabush) 2019 West Pit Dewatering (Settling Basin)

Tata Steel Minerals Canada Limited

2019 COA Approval #: AA15-035604
Issue Date: March 27, 2015
Expiration: March 27, 2020
Approval #: AA18-055650
Issue Date: May 14, 2018
Expiration: May 14, 2023

Tata Steel Minerals Canada Limited discharged effluent from two locations in 2019, COASW11 and COASW12. There were four TSS, two monthly average TSS exceedances and a *Daphnia magna* ALT failure reported at COASW11. There was a *Daphnia magna* ALT failure and one monthly average TSS exceedance reported as COASW12. It should be noted that the *Daphnia magna* ALT is a monitoring test only and not considered a compliance determinant analysis.

Environmental Effects Monitoring
The Elross Lake Area Iron Ore Mine cycle interpretive report was reviewed in 2019.

See Table 73: Tata Steel Minerals Canada Limited 2019 COASW11
Table 74: Tata Steel Minerals Canada Limited 2019 COASW12

Teck Resources Limited

2019 Monitoring Duck Pond Closure Water Quality Monitoring Program
Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at the Dam C location in 2019. There were no exceedances reported.

Environmental Effects Monitoring

The Duck Pond cycle five study design was reviewed in 2019.

See Table 75: Teck Resources (Millertown) 2019 Dam C

Vale Newfoundland and Labrador Limited (Long Harbour)

2019 COA

Approval #:	AA13-125573A
Issue Date:	December 18, 2013
Amendment:	July 27, 2015
Expiration:	December 18, 2018
Extension:	December 31, 2019

Vale Newfoundland and Labrador Limited (Long Harbour) discharged effluent from five locations in 2019. There was one nickel and one pH exceedance reported at D25. There was one pH exceedance reported at D3.

Environmental Effects Monitoring

The Vale Newfoundland and Labrador Limited (Long Harbour) cycle two study design was reviewed in 2019.

See Table 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D2
Table 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D25
Table 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D3
Table 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D5
Table 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 FDP1

Vale Newfoundland and Labrador Limited (Voisey's Bay)

2019 COA

Approval #:	AA13-125585A
Issue Date:	December 31, 2013
Amendment:	July 4, 2018
Expiration:	December 31, 2018
Extension:	December 31, 2019

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from two locations in 2019. There were three *Daphnia magna* ALT failures reported at the Treated Effluent discharge location. It should be noted that this is a monitoring test only and not considered a compliance determinant analysis.

Environmental Effects Monitoring

There were no submissions for 2019.

See Table 81: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2019 Port Site Sed Pond
Table 82: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2019 Treated Effluent Discharge

Conclusion

ECCM 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.

The industries operating within Newfoundland and Labrador are diligent in working with ECCM 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, Climate Change and Municipalities
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
ECCM	- NL Department of Environment, Climate Change and Municipalities
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

Appendix A: Effluent Data Summary Tables

Contents

TABLE 1: Anaconda 2019 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	1	0	0	2
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	1	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	1	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	0	0	0	0	0.109	0	0	0.109
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	0.109	0	0	0.109
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	0.11	0	0	0	0	0.31	0	0	0.31
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	0.06	0	0	0	0	0.31	0	0	0.31
Total Copper	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Copper	MG/L	Maximum	0	0	0	0	0.15	0	0	0	0	0.242	0	0	0.242
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	0.10	0	0	0	0	0.242	0	0	0.242
Total Nickel	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	0	0	0	0	0.0044	0	0	0.0044
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0010	0	0	0	0	0.0044	0	0	0.0044
Total Lead	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Lead	MG/L	Maximum	0	0	0	0	0.0006	0	0	0	0	<0.0005	0	0	0.0006
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	0.0004	0	0	0	0	0.0003	0	0	0.0004
pH	PH UNITS	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	7.98	0	0	0	0	8.01	0	0	8.01
pH	PH UNITS	Minimum	0	0	0	0	7.73	0	0	0	0	8.01	0	0	7.73
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	0	0	0	<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	0	0	0	0.005	0	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	3.8	0	0	0	0	<0.50	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	2.5	0	0	0	0	0.25	0	0	2.5
Total Zinc	MG/L	# of Samples	0	0	0	0	3	0	0	0	0	1	0	0	4
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	0	0	0	0	<0.0050	0	0	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0.0025	0	0	0.0025

TABLE 2: Atlantic Minerals Lower Cove 2019 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	0	0	1	0	0	0	1	0	0	2
Total Silver	UG/L	Maximum	0	0	0	0	0	<0.10	0	0	0	<0.10	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	0	0	0.05	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	250	0	0	0	260	0	0	260
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	250	0	0	0	260	0	0	260
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	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	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	<0.010	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0.95	0	0	0	1.1	0	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	0	0.95	0	0	0	1.1	0	0	1.1
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	100	0	0	0	110	0	0	110
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	100	0	0	0	110	0	0	110
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.0020	0	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	0	0	0	0	0.001	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0	0	0	0.064	0	0	0	<0.050	0	0	0.064
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	0.064	0	0	0	0.025	0	0	0.064
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0.071	0	0	0	<0.050	0	0	0.071
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	0.071	0	0	0	0.025	0	0	0.071

TABLE 2 CONTINUED: Atlantic Minerals Lower Cove 2019 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	0	0	1	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	<0.010	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	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	1	0	0	0	2.2	0	0	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	0	0	0	0	0	1	0	0	0	2.2	0	0	2.2
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	2	0	1	1	0	5
pH	PH UNITS	Maximum	0	0	0	0	0	8.07	0	8.07	0	8.08	7.67	0	8.08
pH	PH UNITS	Minimum	0	0	0	0	0	8.07	0	7.81	0	8.08	7.67	0	7.67
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	1	0	0	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	<0.0010	0	0	0	<0.0010	0	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	0.0005	0	0	0	0.0005	0	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<0.50	0	0	<1.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.25	0	0	0.5
Sulphide	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0	0	<0.020	0	0	0	<0.020	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	0	0	0.01	0	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	140	0	0	0	160	0	0	160
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	140	0	0	0	160	0	0	160
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	2	0	1	1	0	5
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	2	0	2.6	0	3.8	5.6	0	5.6
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	2	0	2.3	0	3.8	5.6	0	5.6
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	22	0	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	0	2.5	0	0	0	22	0	0	22

TABLE 3: Atlantic Minerals Lower Cove 2019 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	0	0	1	0	0	0	1	0	0	2
Total Silver	UG/L	Maximum	0	0	0	0	0	<0.10	0	0	0	<0.10	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	0	0	0.05	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2019 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	140	0	0	0	190	0	0	190
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	140	0	0	0	190	0	0	190
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	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	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.015	0	0	0	<0.010	0	0	0.015
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.015	0	0	0	0.005	0	0	0.015
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	1.1	0	0	0	1	0	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	0	1.1	0	0	0	1	0	0	1.1
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	87	0	0	0	<50	0	0	87
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	87	0	0	0	25	0	0	87
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.0020	0	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	0	0	0	0	0.001	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
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	0.025	0	0	0	0.025	0	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0.82	0	0	0	3.9	0	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	0	0	0.82	0	0	0	3.9	0	0	3.9
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	<0.010	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	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	3	0	0	0	4.5	0	0	4.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	3	0	0	0	4.5	0	0	4.5

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2019 DL Quarry 2

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	1	0	1	1	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	8.19	0	8.54	0	7.87	7.99	0	8.54
pH	PH UNITS	Minimum	0	0	0	0	0	8.19	0	8.54	0	7.87	7.99	0	7.87
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	1	0	0	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	<0.0010	0	0	0	<0.0010	0	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	0.0005	0	0	0	0.0005	0	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0.73	0	0	0.73
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.73	0	0	0.73
Sulphide	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0	0	<0.020	0	0	0	<0.020	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	0	0	0.01	0	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	150	0	0	0	250	0	0	250
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	150	0	0	0	250	0	0	250
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	1	0	1	1	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	2.2	0	2.2	0	1	27	0	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	0	0	0	0	0	2.2	0	2.2	0	1	27	0	27
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5.0	0	0	0	<5.0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	2.5	0	0	2.5

TABLE 4: Atlantic Minerals Lower Cove 2019 HiCal Trench

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Silver	UG/L	Maximum	0	0	0	0	0	<0.10	0	0	0	<0.10	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	0	0	0.05	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	170	0	0	0	160	0	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	0	0	170	0	0	0	160	0	0	170
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	62	0	0	0	63	0	0	63
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	62	0	0	0	63	0	0	63

TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2019 HiCal Trench

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	<0.010	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	1	0	0	0	<1.0	0	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	0	0	1	0	0	0	0.5	0	0	1
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0.84	0	0	0	0.97	0	0	0.97
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0.84	0	0	0	0.97	0	0	0.97
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	<50	0	0	<50
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.0020	0	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	0	0	0	0	0.001	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	2.1	0	0	0	<2.0	0	0	2.1
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	2.1	0	0	0	1	0	0	2.1
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0	0	0	0.26	0	0	0	0.36	0	0	0.36
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	0.26	0	0	0	0.36	0	0	0.36
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	4.3	0	0	0	2.4	0	0	4.3
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	0	0	4.3	0	0	0	2.4	0	0	4.3
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	<0.010	0	0	0	<0.010	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	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	2.1	0	0	0	1.6	0	0	2.1
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	2.1	0	0	0	1.6	0	0	2.1
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	2	0	1	1	1	6
pH	PH UNITS	Maximum	0	0	0	0	0	8.01	0	8.28	0	8.02	7.97	8.01	8.28
pH	PH UNITS	Minimum	0	0	0	0	0	8.01	0	8	0	8.02	7.97	8.01	7.97
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	1	0	0	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	<0.0010	0	0	0	<0.0010	0	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	0.0005	0	0	0	0.0005	0	0	0.0005

TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2019 HiCal Trench

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	1	0	0	1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	1	0	0	1
Sulphide	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0	0	<0.020	0	0	0	<0.020	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	0	0	0.01	0	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	210	0	0	0	220	0	0	220
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	210	0	0	0	220	0	0	220
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	2	0	1	1	1	6
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	2.6	0	3.4	0	1.6	16	43	43
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	2.6	0	2.4	0	1.6	16	43	43
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	15	0	0	0	9.5	0	0	15
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	15	0	0	0	9.5	0	0	15

TABLE 5: Atlantic Minerals Corner Brook 2019 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	0	1	1	1	0	0	0	4
PH	PH UNITS	Maximum	0	0	0	0	8.72	0	8.79	8.3	8.35	0	0	0	8.79
PH	PH UNITS	Minimum	0	0	0	0	8.72	0	8.79	8.3	8.35	0	0	0	8.3
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 2019 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	0	1	1	1	0	0	0	4
PH	PH UNITS	Maximum	0	0	0	0	7.99	0	8.09	7.92	8.14	0	0	0	8.14
PH	PH UNITS	Minimum	0	0	0	0	7.99	0	8.09	7.92	8.14	0	0	0	7.92
PH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDSMEAS	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
TDSMEAS	MG/L	Maximum	0	0	0	0	1300	0	1300	1300	960	0	0	0	1300
TDSMEAS	MG/L	Exceedance(>1000)	0	0	0	0	1	0	1	1	0	0	0	0	3
TDSMEAS	MG/L	Monthly Average	0	0	0	0	1300	0	1300	1300	960	0	0	0	1300
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
TSS	MG/L	Maximum	0	0	0	0	12	0	8.8	9	2.8	0	0	0	12
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	12	0	8.8	9	2.8	0	0	0	12

TABLE 7: Beaver Brook 2019 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	0	1	0	1	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	0	1	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	0	1	0	1	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	0	1	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	4	4	5	5	4	4	4	4	4	4	4	4	50
Total Arsenic	MG/L	Maximum	0.076	0.099	0.142	0.170	0.067	0.167	0.123	0.129	0.205	0.067	0.078	0.081	0.081
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	0.073	0.083	0.082	0.080	0.058	0.114	0.106	0.112	0.144	0.055	0.060	0.065	0.144
Total Copper	MG/L	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	50
Total Copper	MG/L	Maximum	0.001	0.001	0.002	0.002	0.002	0.002	<0.001	<0.001	0.002	0.0001	0.001	0.0006	0.0006
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0009	0.0008	0.0009	0.0010	0.0011	0.0013	0.0005	0.0005	0.0009	0.0000	0.0005	0.0004	0.0013
Total Nickel	MG/L	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	10
Total Nickel	MG/L	Maximum	0.015	0.013	0.015	0.009	0.016	0.012	0.014	0.009	0.038	0.015	0.027	0.022	0.022
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	0.011	0.010	0.011	0.007	0.011	0.010	0.012	0.008	0.026	0.014	0.022	0.019	0.026
Total Lead	MG/L	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	10
Total Lead	MG/L	Maximum	0.0012	0.0039	0.0067	0.0071	0.0006	0.0017	0.0013	0.0007	0.0008	<0.00003	0.0099	0.0082	0.0082
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	0.0007	0.0021	0.0017	0.0019	0.0003	0.0006	0.0008	0.0004	0.0006	0.0000	0.0042	0.0046	0.0046
pH	PH UNITS	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	50
pH	PH UNITS	Maximum	8.22	8.11	8.15	8.21	8.2	8.13	8.16	7.99	7.88	7.49	7.97	7.94	8.22
pH	PH UNITS	Minimum	8	7.84	8	8.01	8.12	7.97	8.03	7.89	7.24	7.08	6.52	6.7	6.52
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	0	0	1	1	1	0	5
Radium-226	BQ/L	Maximum	0	0	0.01	0	0	<0.005	0	0	<0.005	0.01	0.008	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	0	0.01	0	0	0.0025	0	0	0.0025	0.01	0.008	0	0.01
Total Suspended Solids	MG/L	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	50
Total Suspended Solids	MG/L	Maximum	6	2	9	9	7	3	3	3	7	8	12.5	27	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	2.5	1.5	2.6	6	5	1.8	2.3	1.8	3.8	5	10.4	13.4	13.4
Total Zinc	MG/L	# of Samples	4	4	5	5	4	4	4	4	4	4	4	4	10
Total Zinc	MG/L	Maximum	0.007	0.007	0.007	0.007	0.015	0.006	<0.005	<0.005	0.007	<0.002	0.009	0.004	0.004
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	0.006	0.006	0.004	0.004	0.007	0.004	0.003	0.003	0.005	0.001	0.004	0.004	0.004

TABLE 8: Canada Fluorspar Incorporated 2019 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	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Silver	MG/L	Maximum	<0.0001	0.0002	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	0.0019	0.0019
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	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0008	0.0008
Total Arsenic	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Arsenic	MG/L	Maximum	0.007	0.005	<0.002	0.003	0.002	0.004	0.019	0.026	0.025	0.009	0.025	0.038	0.038
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	0.0048	0.0035	0.001	0.0015	0.0012	0.0022	0.0084	0.01475	0.0152	0.0056	0.007	0.0096	0.0152
Total Barium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Barium	MG/L	Maximum	0.055	0.046	0.03	0.039	0.021	0.018	0.021	0.024	0.025	0.018	0.072	0.659	0.659
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	0.0462	0.036	0.0274	0.026	0.0192	0.0168	0.0186	0.02075	0.018	0.016	0.055	0.23	0.23
Total Boron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Boron	MG/L	Maximum	0.025	0.012	0.009	0.008	0.012	0.013	0.014	0.012	0.011	0.015	0.012	0.024	0.025
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	0.0138	0.007125	0.0078	0.007	0.008	0.0094	0.0106	0.0105	0.0086	0.008	0.01	0.015	0.015
Total Cadmium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Cadmium	MG/L	Maximum	0.0004	0.0005	0.0002	0.0002	0.0001	0.0002	0.0002	0.0001	0.0002	0.0001	0.0008	0.0252	0.0252
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	0.0003	0.0004	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0104	0.0104
Total Chromium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Chromium	MG/L	Maximum	0.002	0.002	<0.002	0.001	0.001	0.001	0.002	<0.001	<0.002	<0.001	<0.001	0.01	0.01
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	0.0018	0.0014	0.0007	0.000625	0.0007	0.0008	0.0008	0.0005	0.0008	0.0005	0.0005	0.0026	0.0026
Total Copper	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Copper	MG/L	Maximum	0.01	0.013	0.003	0.008	0.006	0.003	0.004	0.002	0.004	0.003	0.003	0.135	0.135
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	0.008	0.008	0.002	0.004	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.038	0.038
Total Iron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Iron	MG/L	Maximum	2.15	1.36	0.65	1.09	0.77	1.13	5.64	9.4	5.91	4.1	0.28	14	14
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Iron	MG/L	Monthly Average	1.58	1.18	0.56	0.71	0.63	0.86	2.48	5.82	4.46	2.30	0.19	3.35	5.82
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	<0.026	0	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	0.013	0	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nickel	MG/L	Maximum	0.009	0.002	<0.002	<0.002	0.003	0.003	<0.002	<0.002	<0.002	<0.002	0.009	0.018	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	0.0042	0.00125	0.001	0.001	0.0014	0.0014	0.001	0.001	0.001	0.001	0.005	0.0058	0.0058
Ammonium+Ammonia	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Ammonium+Ammonia	MG/L	Maximum	0.16	<0.05	0.08	0.34	<0.05	0.09	0.73	0.38	0.38	0.45	1.04	6.83	6.83
Ammonium+Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	3	3
Ammonium+Ammonia	MG/L	Monthly Average	0.10	0.03	0.04	0.10	0.03	0.06	0.28	0.19	0.15	0.20	0.72	3.04	3.04
Total Nitrate	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nitrate	MG/L	Maximum	0.51	0.27	0.23	0.4	0.17	0.28	0.12	<0.05	0.1	0.07	11.2	18.1	18.1
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	1	2	3
Total Nitrate	MG/L	Monthly Average	0.396	0.2175	0.202	0.265	0.118	0.089	0.053	0.025	0.047	0.034	6.815	8.7	8.7

TABLE 8 CONTINUED: Canada Fluorspar Incorporated 2019 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	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	<0.01	0	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	0.005	0	0	0.005	0	0	0.005	0	0	0.01	0.01
Total Lead	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Lead	MG/L	Maximum	0.0402	0.0569	0.0101	0.0276	0.0096	0.0044	0.0075	0.0041	0.0063	0.0116	0.0134	1.3	1.3
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Lead	MG/L	Monthly Average	0.0335	0.0378	0.0054	0.0147	0.0056	0.0042	0.0047	0.0039	0.0053	0.0062	0.0052	0.2955	0.2955
pH	PH UNITS	# of Samples	5	4	5	4	5	5	6	5	5	5	4	5	58
pH	PH UNITS	Maximum	6.7	6.89	6.81	6.35	6.07	6.53	6.31	6.19	6.02	5.91	6.53	7.78	7.78
pH	PH UNITS	Minimum	6.18	5.92	5.5	5.57	5.61	5.41	5.51	5.2	5.08	5.45	5.69	6.72	5.08
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	1	0	2	2	1	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	<0.001	0	0	0.002	0	0	0.003	0	0	0.005	0.005
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	0.0005	0	0	0.002	0	0	0.003	0	0	0.005	0.005
Total Selenium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Selenium	MG/L	Maximum	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.002	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	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0018	0.0009	0.0018
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.5	0	0	<0.5	0	0	< 1.0	< 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	0	0.025	0	0	0.25	0	0	0.25	0	0	0.5	0.5
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	59	0	0	34	0	0	38	0	0	110	110
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	59	0	0	34	0	0	38	0	0	110	110
TDS Measured	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
TDS Measured	MG/L	Maximum	120	80	80	100	100	118	346	408	236	80	156	264	408
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	84	55.625	55	80	76	65	136.8	170	116.5	58.8	101	199	199
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	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Suspended Solids	MG/L	Maximum	31	82	8	20	8	16	16	17	26	38	5	592	592
Total Suspended Solids	MG/L	Exceedance(>30)	1	1	0	0	0	0	0	0	0	1	0	1	4
Total Suspended Solids	MG/L	Monthly Average	15.4	34.5	4.1	10.25	5.2	8.3	7.1	10.25	12	14.3	3.1	125	125
Total Zinc	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Zinc	MG/L	Maximum	0.079	0.148	0.034	0.073	0.025	0.026	0.044	0.024	0.036	0.031	0.062	4.3	4.3
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	2	2
Total Zinc	MG/L	Monthly Average	0.069	0.092	0.028	0.042	0.022	0.023	0.030	0.020	0.020	0.023	0.045	1.128	1.128

TABLE 9: Canada Fluorspar Incorporated 2019 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	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Silver	MG/L	Maximum	0.0005	0.0004	0.0003	0.0003	0.0003	0.0002	0.0003	0.0002	<0.0003	0.0001	0.0002	0.0011	0.0011
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	0.0003	0.0003	0.0002	0.0002	0.0002	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0009	0.0009
Total Arsenic	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Arsenic	MG/L	Maximum	0.009	0.009	0.006	0.005	0.005	0.005	0.014	0.009	0.005	0.006	0.029	0.038	0.038
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	0.005	0.008	0.004	0.004	0.004	0.004	0.010	0.007	0.005	0.005	0.012	0.028	0.028
Total Barium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Barium	MG/L	Maximum	0.041	0.053	0.04	0.028	0.029	0.027	0.078	0.077	0.062	0.051	0.072	0.383	0.383
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	0.025	0.040	0.026	0.024	0.024	0.022	0.059	0.065	0.050	0.042	0.057	0.285	0.285
Total Boron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Boron	MG/L	Maximum	0.013	0.011	0.011	0.01	0.011	0.013	0.02	0.015	0.012	0.015	0.013	0.027	0.027
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	0.011	0.009	0.009	0.009	0.009	0.009	0.014	0.014	0.011	0.011	0.010	0.025	0.025
Total Cadmium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Cadmium	MG/L	Maximum	0.0010	0.0013	0.0010	0.0011	0.0007	0.0007	0.0023	0.0009	0.0006	0.0008	0.0010	0.0081	0.0081
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	0.0007	0.0009	0.0007	0.0007	0.0006	0.0006	0.0013	0.0008	0.0005	0.0007	0.0009	0.0062	0.0062
Total Chromium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Chromium	MG/L	Maximum	0.003	0.005	0.003	0.003	0.003	0.002	0.004	0.003	0.002	0.003	0.003	0.021	0.021
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	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.014	0.014
Total Copper	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Copper	MG/L	Maximum	0.035	0.042	0.026	0.03	0.025	0.025	0.061	0.038	0.022	0.029	0.037	0.254	0.254
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	0.021	0.026	0.016	0.022	0.021	0.019	0.040	0.023	0.019	0.022	0.032	0.174	0.174
Total Iron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Iron	MG/L	Maximum	2.62	3.57	1.75	1.9	1.36	1.2	3.23	3.89	1.48	1.78	2.05	14.7	14.7
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	3	3
Total Iron	MG/L	Monthly Average	1.63	2.52	1.11	1.23	1.13	0.87	1.91	2.54	1.13	1.23	1.61	9.96	9.96
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	<0.026	0	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	0.013	0	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nickel	MG/L	Maximum	0.003	0.005	0.003	0.003	0.003	0.004	0.007	0.015	0.002	0.007	0.012	0.024	0.024
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	0.0018	0.0038	0.0018	0.0015	0.0020	0.0018	0.0044	0.0070	0.0020	0.0042	0.0065	0.0164	0.0164
Ammonium+Ammonia	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Ammonium+Ammonia	MG/L	Maximum	0.07	<0.05	0.05	<0.05	<0.05	0.08	0.24	0.27	0.22	0.15	0.15	0.56	0.56
Ammonium+Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia	MG/L	Monthly Average	0.04	0.03	0.03	0.03	0.03	0.06	0.12	0.19	0.13	0.13	0.08	0.22	0.22
Total Nitrate	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nitrate	MG/L	Maximum	0.53	0.43	0.38	0.45	0.45	0.32	0.93	0.39	1.54	4.07	5.27	24.4	24.4
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	5	5
Total Nitrate	MG/L	Monthly Average	0.45	0.34	0.34	0.30	0.22	0.24	0.24	0.19	1.17	2.78	3.89	16.58	16.58

TABLE 9 CONTINUED: Canada Fluorspar Incorporated 2019 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	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	<0.01	0	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	0.005	0	0	0.005	0	0	0.005	0	0	0.01	0.01
Total Lead	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Lead	MG/L	Maximum	0.149	0.26	0.136	0.148	0.112	0.105	0.262	0.222	0.069	0.099	0.269	1.7	1.7
Total Lead	MG/L	Exceedance(>0.2)	0	2	0	0	0	0	3	1	0	0	2	5	13
Total Lead	MG/L	Monthly Average	0.086	0.149	0.075	0.098	0.089	0.077	0.190	0.126	0.056	0.083	0.193	1.187	1.187
pH	PH UNITS	# of Samples	5	4	5	4	5	5	6	5	5	5	4	5	58
pH	PH UNITS	Maximum	5.82	6.57	6.36	5.79	6.68	7.41	7.06	7.26	7.33	7.08	7.14	8.17	8.17
pH	PH UNITS	Minimum	5.38	5.6	5.27	5.4	5.83	5.75	6.26	6.17	6.25	6.23	6.25	7.15	5.27
pH	PH UNITS	Exceedance(<5.5,>9.0)	2	0	2	1	0	0	0	0	0	0	0	0	5
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	<0.001	0	0	0.002	0	0	0.01	0	0	0.026	0.026
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	0.0005	0	0	0.002	0	0	0.01	0	0	0.026	0.026
Total Selenium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Selenium	MG/L	Maximum	0.002	0.001	0.001	0.001	0.001	0.002	0.003	0.002	0.002	0.002	0.007	0.005	0.007
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	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.003	0.003	0.003
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.5	0	0	<0.5	0	0	< 1.0	< 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	0	0.025	0	0	0.25	0	0	0.25	0	0	0.5	0.5
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	112	0	0	117	0	0	236	0	0	543	543
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	112	0	0	117	0	0	236	0	0	543	543
TDS Measured	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
TDS Measured	MG/L	Maximum	140	160	120	160	200	132	332	274	450	248	240	532	532
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	108	115	95	110	156	104.5	221.6	226	292	205.6	204.5	499.5	499.5
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	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Suspended Solids	MG/L	Maximum	75	118	20	32	12	14	35	21	28	22	22	334	334
Total Suspended Solids	MG/L	Exceedance(>30)	2	3	0	1	0	0	1	0	0	0	0	4	11
Total Suspended Solids	MG/L	Monthly Average	27.9	61.5	9.7	17.8	7.8	10.6	22.4	12.9	15.3	14.4	14.3	193.2	193.2
Total Zinc	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Zinc	MG/L	Maximum	0.351	0.503	0.316	0.355	0.2	0.184	0.327	0.188	0.103	0.156	0.215	2.02	2.02
Total Zinc	MG/L	Exceedance(>0.5)	0	1	0	0	0	0	0	0	0	0	0	5	6
Total Zinc	MG/L	Monthly Average	0.219	0.288	0.181	0.236	0.175	0.145	0.228	0.129	0.090	0.125	0.178	1.459	1.459

TABLE 10: Canada Fluorspar Incorporated 2019 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	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Silver	MG/L	Maximum	0.0023	0.0003	<0.0003	0.0002	0.0023	<0.0003	0.0027	0.0004	0.0002	<0.0001	<0.0001	0.0004	0.0027
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	0.0006	0.0001	0.0001	0.0001	0.0007	0.0001	0.0006	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007
Total Arsenic	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Arsenic	MG/L	Maximum	0.034	0.009	0.002	0.005	0.039	0.004	0.101	0.022	0.027	0.007	0.041	0.01	0.101
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	0.011	0.003	0.001	0.002	0.013	0.003	0.027	0.018	0.020	0.004	0.019	0.005	0.027
Total Barium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Barium	MG/L	Maximum	0.182	0.092	0.111	0.077	0.281	0.062	0.836	0.195	0.062	0.066	0.036	0.094	0.836
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	0.088	0.071	0.081	0.073	0.109	0.050	0.226	0.108	0.047	0.047	0.034	0.058	0.226
Total Boron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Boron	MG/L	Maximum	0.018	0.011	0.014	0.012	0.022	0.015	0.041	0.034	0.045	0.018	0.032	0.013	0.045
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	0.013	0.009	0.011	0.011	0.016	0.012	0.024	0.030	0.034	0.013	0.024	0.012	0.034
Total Cadmium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Cadmium	MG/L	Maximum	0.0073	0.0014	0.0007	0.0009	0.0088	0.0006	0.0142	0.0026	0.0007	0.0004	0.0008	0.0024	0.0142
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	0.0022	0.0007	0.0005	0.0006	0.0027	0.0004	0.0038	0.0012	0.0006	0.0003	0.0006	0.0010	0.0038
Total Chromium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Chromium	MG/L	Maximum	0.011	0.005	<0.002	0.002	0.013	0.001	0.03	0.006	0.003	0.003	0.002	0.004	0.03
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	0.004	0.002	0.001	0.001	0.004	0.001	0.007	0.002	0.002	0.002	0.001	0.002	0.007
Total Copper	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Copper	MG/L	Maximum	0.168	0.043	0.006	0.021	0.205	0.01	0.535	0.085	0.013	0.009	0.008	0.05	0.535
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Monthly Average	0.047	0.014	0.004	0.009	0.063	0.008	0.128	0.032	0.010	0.007	0.006	0.019	0.128
Total Iron	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Iron	MG/L	Maximum	7.04	3.37	0.3	1.62	9.6	0.4	33.8	6.99	1.75	2.37	0.63	2.89	33.8
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Monthly Average	2.36	1.05	0.25	0.54	2.82	0.28	7.32	2.20	0.63	1.08	0.33	1.68	7.32
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	<0.026	0	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	0.013	0	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nickel	MG/L	Maximum	0.009	0.006	0.005	0.003	0.013	0.011	0.031	0.008	0.005	0.005	0.009	0.005	0.031
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.004	0.002	0.002	0.002	0.004	0.003	0.009	0.003	0.003	0.003	0.004	0.003	0.009
Ammonium+Ammonia	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Ammonium+Ammonia	MG/L	Maximum	0.1	0.12	0.37	<0.05	<0.05	0.14	0.2	0.17	0.14	0.38	0.14	0.21	0.38
Ammonium+Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia	MG/L	Monthly Average	0.051	0.04875	0.119	0.025	0.025	0.077	0.115	0.11625	0.096	0.208	0.08125	0.16	0.208
Total Nitrate	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Nitrate	MG/L	Maximum	2.42	2.54	2.09	2.07	1.81	2.92	1.55	1.4	1.15	3.34	4.7	7.23	7.23
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	2.08	2.00	1.92	1.86	1.00	2.02	1.13	1.11	0.96	1.84	3.48	4.47	4.47

TABLE 10 CONTINUED: Canada Fluorspar Incorporated 2019 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	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	<0.01	0	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	0.005	0	0	0.005	0	0	0.005	0	0	0.01	0.01
Total Lead	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Lead	MG/L	Maximum	1.13	0.423	0.031	0.184	1.57	0.055	4.26	0.795	0.076	0.032	0.023	0.355	4.26
Total Lead	MG/L	Exceedance(>0.2)	2	1	0	0	2	0	2	1	0	0	0	1	9
Total Lead	MG/L	Monthly Average	0.31	0.12	0.01	0.06	0.46	0.04	0.98	0.26	0.04	0.02	0.02	0.12	0.98
pH	PH UNITS	# of Samples	5	4	5	4	5	5	6	5	5	5	4	5	58
pH	PH UNITS	Maximum	7.32	7.05	7.21	6.38	7.53	8.03	8.06	8.06	8.02	7.13	7.93	7.91	8.06
pH	PH UNITS	Minimum	6.1	5.8	5.91	6.2	6.7	6.39	6.69	6.98	7.22	6.47	6.92	6.31	5.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	<0.001	0	0	0.002	0	0	0.003	0	0	0.015	0.015
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	0.0005	0	0	0.002	0	0	0.003	0	0	0.015	0.015
Total Selenium	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Selenium	MG/L	Maximum	0.002	0.002	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.003	0.001	0.008	0.002	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.003	0.002	0.003
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.5	0	0	<0.5	0	0	< 1.0	< 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	0	0.025	0	0	0.25	0	0	0.25	0	0	0.5	0.5
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	119	0	0	209	0	0	577	0	0	207	577
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	119	0	0	209	0	0	577	0	0	207	577
TDS Measured	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
TDS Measured	MG/L	Maximum	240	220	360	260	340	200	464	524	654	286	480	204	654
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	164	140	215	215	276	184	329	418	496	205	365	198	496
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	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3
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	0.3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.3
Total Suspended Solids	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Suspended Solids	MG/L	Maximum	108	52	13	40	288	25	605	136	93	64	22	66	605
Total Suspended Solids	MG/L	Exceedance(>30)	2	1	0	1	4	0	2	2	2	1	0	3	18
Total Suspended Solids	MG/L	Monthly Average	50.3	23.5	4.6	14.75	85.7	14.5	139.7	44.625	33.4	29.2	13.5	35.3	139.7
Total Zinc	MG/L	# of Samples	5	4	5	4	5	5	5	4	5	5	4	5	56
Total Zinc	MG/L	Maximum	2.350	0.445	0.073	0.231	2.730	0.093	4.290	0.858	0.076	0.041	0.027	0.630	4.290
Total Zinc	MG/L	Exceedance(>0.5)	2	0	0	0	2	0	2	1	0	0	0	1	8
Total Zinc	MG/L	Monthly Average	0.629	0.146	0.047	0.111	0.768	0.067	0.991	0.268	0.041	0.031	0.025	0.207	0.991

TABLE 11 : Canada Fluorspar Incorporated 2019 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	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Silver	MG/L	Maximum	0.0001	0.0010	0.0004	0.0002	<0.0001	<0.0003	<0.0001	0.0013	<0.0003	<0.0001	0.0002	0.0014	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	0.0001	0.0005	0.0003	0.0001	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0001	0.0006	0.0006
Total Arsenic	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Arsenic	MG/L	Maximum	0.008	0.044	0.035	0.011	0.006	0.015	0.007	0.015	0.011	0.013	0.036	0.059	0.059
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	0.00725	0.021	0.021	0.007	0.0048	0.0118	0.0054	0.009	0.0068	0.00925	0.019667	0.0304	0.0304
Total Barium	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Barium	MG/L	Maximum	0.131	0.399	0.511	0.129	0.133	0.287	0.190	0.241	0.173	0.150	0.353	0.486	0.511
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	0.110	0.218	0.304	0.118	0.119	0.209	0.150	0.202	0.141	0.114	0.194	0.256	0.304
Total Boron	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Boron	MG/L	Maximum	0.020	0.023	0.029	0.020	0.021	0.025	0.030	0.028	0.024	0.024	0.020	0.020	0.030
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	0.017	0.016	0.024	0.017	0.018	0.022	0.025	0.026	0.021	0.018	0.016	0.016	0.026
Total Cadmium	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Cadmium	MG/L	Maximum	0.0006	0.0048	0.0030	0.0014	0.0004	0.0012	0.0008	0.0030	0.0010	0.0016	0.0066	0.0074	0.0074
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	0.0006	0.0021	0.0016	0.0006	0.0003	0.0009	0.0005	0.0012	0.0005	0.0010	0.0031	0.0039	0.0039
Total Chromium	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Chromium	MG/L	Maximum	0.003	0.024	0.015	0.007	0.002	0.005	0.003	0.002	0.002	0.003	0.007	0.024	0.024
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	0.002	0.011	0.008	0.003	0.001	0.002	0.001	0.001	0.001	0.001	0.004	0.012	0.012
Total Copper	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Copper	MG/L	Maximum	0.015	0.101	0.066	0.026	0.007	0.027	0.015	0.054	0.027	0.019	0.207	0.289	0.289
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	0.012	0.049	0.030	0.011	0.005	0.018	0.010	0.028	0.010	0.010	0.088	0.121	0.121
Total Iron	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Iron	MG/L	Maximum	3.16	20.7	15.9	6.11	0.94	4.36	2.81	1.26	1.78	1.72	7.5	19.6	20.7
Total Iron	MG/L	Exceedance(>10)	0	1	1	0	0	0	0	0	0	0	0	2	4
Total Iron	MG/L	Monthly Average	1.64	8.80	7.36	2.32	0.55	1.86	1.06	0.75	0.66	0.72	4.19	9.35	9.35
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.026	0	0	<0.026	0	0	0.196	0.196
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.013	0	0	0.013	0	0	0.196	0.196
Total Nickel	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Nickel	MG/L	Maximum	0.005	0.026	0.018	0.007	0.003	0.026	0.003	0.005	0.005	0.007	0.017	0.035	0.035
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	0.003	0.012	0.008	0.003	0.001	0.008	0.002	0.004	0.002	0.005	0.010	0.017	0.017
Ammonium+Ammonia	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Ammonium+Ammonia	MG/L	Maximum	0.76	<0.05	0.64	0.47	0.22	1.15	0.2	2.16	0.7	0.55	0.54	1.07	2.16
Ammonium+Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	1	0	0	0	0	1
Ammonium+Ammonia	MG/L	Monthly Average	0.39	0.03	0.51	0.20	0.07	0.77	0.10	0.90	0.21	0.37	0.39	0.68	0.90
Total Nitrate	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Nitrate	MG/L	Maximum	5.3	3.9	4.4	5.8	10.2	11.7	15.8	20.2	14.2	13.9	12.7	10.7	20.2
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	1	1	4	4	2	4	2	1	19
Total Nitrate	MG/L	Monthly Average	4.2	2.9	3.1	4.8	8.0	10.1	12.0	13.4	10.2	12.3	11.0	8.9	13.4

TABLE 11 CONTINUED : Canada Fluorspar Incorporated 2019 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	0	0	1	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	0	0	0	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	0	0.005	0	0	0.005	0	0	0.01	0.01
Total Lead	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Lead	MG/L	Maximum	0.092	0.759	0.336	0.158	0.049	0.296	0.073	1.100	0.298	0.246	1.440	1.860	1.860
Total Lead	MG/L	Exceedance(>0.2)	0	3	1	0	0	2	0	1	1	1	2	2	13
Total Lead	MG/L	Monthly Average	0.068	0.346	0.155	0.061	0.026	0.161	0.045	0.311	0.092	0.094	0.676	0.762	0.762
pH	PH UNITS	# of Samples	4	4	3	4	5	5	6	4	5	4	3	5	52
pH	PH UNITS	Maximum	7.07	7.02	7.4	6.74	7.26	8.02	7.73	7.79	7.66	7.31	7.61	7.96	8.02
pH	PH UNITS	Minimum	6.29	6.08	6.9	6.11	6.44	6.44	6.71	6.65	6.67	6.5	6.96	6.08	6.08
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	1	0	0	1	0	0	1	3
Phenolics	MG/L	Maximum	0	0	0	0	0	<0.001	0	0	<0.001	0	0	0.011	0.011
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	0.0005	0	0	0.0005	0	0	0.011	0.011
Total Selenium	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Selenium	MG/L	Maximum	0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.002	0.002	0.001	0.003	0.005	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Sulphide	MG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	1	3
Sulphide	MG/L	Maximum	0	0	0	0	0	<0.5	0	0	<0.5	0	0	< 1.0	< 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	0	0	0	0	0.25	0	0	0.25	0	0	0.5	0.5
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	1	3
Calculated TDS	MG/L	Maximum	0	0	0	0	0	194	0	0	220	0	0	270	270
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	194	0	0	220	0	0	270	270
TDS Measured	MG/L	# of Samples	4	4	3	4	5	4	5	4	4	4	3	4	48
TDS Measured	MG/L	Maximum	180	220	180	200	280	6780	284	322	394	270	262	202	6780
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	1	0	0	0	0	0	0	1
TDS Measured	MG/L	Monthly Average	125	125	133	170	204	1910	193	241	267	208	200	178	1910
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	1	1	1	1	1	1	1	1	1	10
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.1	0	<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	0.05	0	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	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Suspended Solids	MG/L	Maximum	51	696	417	134	26	62	52	224	132	72	466	1080	1080
Total Suspended Solids	MG/L	Exceedance(>30)	0	3	2	1	0	4	2	1	1	1	3	4	22
Total Suspended Solids	MG/L	Monthly Average	30.3	257.8	179.7	47.5	16.3	44.8	24.3	61.6	34.8	31.0	202.0	410.1	410.1
Total Zinc	MG/L	# of Samples	4	4	3	4	5	5	5	4	5	4	3	5	51
Total Zinc	MG/L	Maximum	0.187	1.490	1.030	0.386	0.095	0.232	0.136	0.427	0.197	0.131	1.190	1.310	1.490
Total Zinc	MG/L	Exceedance(>0.5)	0	3	1	0	0	0	0	0	0	0	1	2	7
Total Zinc	MG/L	Monthly Average	0.147	0.724	0.440	0.155	0.058	0.149	0.075	0.147	0.069	0.080	0.514	0.643	0.724

TABLE 12: Carino 2019 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	0	1	2	1	1	0	0	2	1	0	8
Total Silver	UG/L	Maximum	0	0	0	<0.10	<0.10	<0.10	<0.10	0	0	<0.10	<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	0.05	0.05	0.05	0	0	0.05	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	<1.0	<1.0	<1.0	0	0	<1.0	<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	0.5	0.5	0.5	0	0	0.5	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Barium	UG/L	Maximum	0	0	0	<1.0	<1.0	12	<1.0	0	0	13	<1.0	0	13
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	0.5	0.5	12	0.5	0	0	6.75	0.5	0	12
Total Boron	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Boron	UG/L	Maximum	0	0	0	<50	<50	<50	<50	0	0	<50	<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	25	25	25	0	0	25	25	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	1	3	1	1	1	0	1	4	2	0	14
Biochemical Oxygen Demand	MG/L	Maximum	0	0	340	360	790	630	600	0	1300	1900	860	0	1900
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	1	3	1	1	1	0	1	4	2	0	14
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	340	270	790	630	600	0	1300	1200	660	0	1300
Total Cadmium	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Cadmium	UG/L	Maximum	0	0	0	0.12	0.17	0.19	<0.01	0	0	0.22	0.14	0	0.22
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	0.12	0.09	0.19	0.01	0	0	0.11	0.14	0	0.19
Total Chromium	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Chromium	UG/L	Maximum	0	0	0	78	330	39	1600	0	0	360	160	0	1600
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Monthly Average	0	0	0	78	165	39	1600	0	0	187	160	0	1600
Total Copper	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Copper	UG/L	Maximum	0	0	0	13	14	13	32	0	0	<0.50	<0.50	0	32
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	13	12.5	13	32	0	0	0.25	0.25	0	32
Total Iron	UG/L	# of Samples	0	0	1	4	3	2	2	0	1	6	3	0	22
Total Iron	UG/L	Maximum	0	0	5800	17000	55000	25000	3400	0	2500	17000	1800	0	55000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	2	2	1	0	0	0	2	0	0	7
Total Iron	UG/L	Monthly Average	0	0	5800	11775	37367	17050	3400	0	2500	8754	1633	0	37367
Total Mercury	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Mercury	UG/L	Maximum	0	0	0	<0.013	0.027	<0.002	0.205	0	0	<0.013	0.018	0	0.205
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	0.007	0.023	0.001	0.205	0	0	0.007	0.018	0	0.205
Total Nickel	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Nickel	UG/L	Maximum	0	0	0	41	86	57	<2.0	0	0	98	27	0	98
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	41	80	57	1	0	0	68.5	27	0	80
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	1	4	3	2	2	0	1	6	3	0	22
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0.3	13	5.3	2.1	1.7	0	1.9	5.1	1.6	0	13
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	2	3	1	0	0	0	4	0	0	10
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	0.3	4.6	4.6	2	1.7	0	1.9	2.6	1.2	0	4.6

TABLE 12 CONTINUED: Carino 2019 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0.078	<0.050	<0.050	<0.050	0	0	0.068	0.068	0	0.078
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	0.078	0.025	0.025	0.025	0	0	0.047	0.068	0	0.078
Orthophosphate	MG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Orthophosphate	MG/L	Maximum	0	0	0	0.010	0.020	<0.010	0.019	0	0	0.055	<0.010	0	0.055
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	0.010	0.019	0.005	0.019	0	0	0.030	0.005	0	0.030
Total Lead	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Lead	UG/L	Maximum	0	0	0	24	16	9	<0.50	0	0	<0.50	<0.50	0	24
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	24	8.125	9	0.25	0	0	0.25	0.25	0	24
pH	PH UNITS	# of Samples	0	0	1	4	3	2	2	0	1	6	3	0	22
pH	PH UNITS	Maximum	0	0	6.63	9.04	7.5	7.00	11.10	0	8.57	8.67	8.45	0	11.10
pH	PH UNITS	Minimum	0	0	6.63	7.19	7.07	6.80	10.90	0	8.57	7.22	7.69	0	6.63
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	1	0	0	2	0	0	0	0	0	3
Phenolics	MG/L	# of Samples	0	0	1	4	3	2	2	0	1	6	3	0	22
Phenolics	MG/L	Maximum	0	0	1.8	0.37	5.7	11	3.5	0	5.7	32	17	0	32
Phenolics	MG/L	Exceedance(>0.1)	0	0	1	2	2	2	2	0	1	6	3	0	19
Phenolics	MG/L	Monthly Average	0	0	1.8	0.2	3.7	10.5	3.5	0	5.7	18.4	11.5	0	18.4
Total Selenium	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Selenium	UG/L	Maximum	0	0	0	<1.0	<1.0	<1.0	<1.0	0	0	<0.50	<0.50	0	<1.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.5	0.5	0.5	0.5	0	0	0.25	0.25	0	0.5
Sulphide	MG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Sulphide	MG/L	Maximum	0	0	0	0.021	<0.020	0.066	0.38	0	0	0.023	<0.020	0	0.38
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	0.021	0.01	0.066	0.38	0	0	0.0225	0.01	0	0.38
Calculated TDS	MG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Calculated TDS	MG/L	Maximum	0	0	0	6800	9900	12000	3900	0	0	13000	6600	0	13000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	1	2	1	1	0	0	2	1	0	8
Calculated TDS	MG/L	Monthly Average	0	0	0	6800	6750	12000	3900	0	0	11500	6600	0	12000
Total Oil and Grease	MG/L	# of Samples	0	0	1	3	1	1	1	0	1	4	2	0	14
Total Oil and Grease	MG/L	Maximum	0	0	22	39	89	16	32	0	29	28	10	0	89
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	1	2	1	1	1	0	1	3	0	0	10
Total Oil and Grease	MG/L	Monthly Average	0	0	22	25.6	89	16	32	0	29	21.3	7.2	0	89
Total Suspended Solids	MG/L	# of Samples	0	0	1	4	3	2	2	0	1	6	3	0	22
Total Suspended Solids	MG/L	Maximum	0	0	7.5	220	210	68	210	0	20	22	19	0	220
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	2	2	2	2	0	0	0	0	0	8
Total Suspended Solids	MG/L	Monthly Average	0	0	7.5	76.8	139.3	50	205	0	20	11.8	14.3	0	205
Total Zinc	UG/L	# of Samples	0	0	0	1	2	1	1	0	0	2	1	0	8
Total Zinc	UG/L	Maximum	0	0	0	<5.0	110	110	<5.0	0	0	100	<5.0	0	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	0	0	0	2.5	56.25	110	2.5	0	0	51.25	2.5	0	110

TABLE 13: Central Regional Service Board 2019 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	0	1	1	0	4
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	<0.10	0	0	<0.10	<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	0.05	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	0	5.2	0	14	0	0	<1.0	3.2	0	14
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	5.2	0	14	0	0	0.5	3.2	0	14
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Barium	UG/L	Maximum	0	0	0	0	120	0	260	0	0	190	110	0	260
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	120	0	260	0	0	190	110	0	260
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Boron	UG/L	Maximum	0	0	0	0	650	0	1700	0	0	1500	660	0	1700
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	650	0	1700	0	0	1500	660	0	1700
Biochemical Oxygen Demand	MG/L	# of Samples	1	1	1	1	1	1	1	0	0	0	1	1	9
Biochemical Oxygen Demand	MG/L	Maximum	22	7.3	<2.0	<2.0	14	7.5	9.1	0	0	0	<2.0	15	22
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	22	7.3	1	1	14	7.5	9.1	0	0	0	1	15	22
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0	0.020	0	0.027	0	0	<0.010	0.016	0	0.027
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0.020	0	0.027	0	0	0.005	0.016	0	0.027
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	0	5.8	0	8.7	0	0	<1.0	2	0	8.7
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	0	0	0	0	5.8	0	8.7	0	0	0.5	2	0	8.7
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Copper	UG/L	Maximum	0	0	0	0	3.8	0	3.9	0	0	7	2.8	0	7
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	3.8	0	3.9	0	0	7	2.8	0	7
Total Iron	UG/L	# of Samples	1	1	1	1	2	1	2	0	0	1	2	1	13
Total Iron	UG/L	Maximum	1100	1100	2000	130	650	490	480	0	0	<50	220	310	2000
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	1100	1100	2000	130	475	490	390	0	0	25	180	310	2000
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0	<0.013	<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	0.007	0	0.007	0	0	0.007	0.007	0	0.007
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	0	15	0	34	0	0	37	15	0	37
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	15	0	34	0	0	37	15	0	37
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0	0	42	0	31	0	0	3.5	0.6	0	42
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	0	1	0	0	3
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	0	0	42	0	31	0	0	3.5	0.6	0	42

TABLE 13 CONTINUED: Central Regional Service Board 2019 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	0	1	2	1	13
Nitrate, filtered, reactive	MG/L	Maximum	17	2.4	1.8	0.68	1.7	3.8	10	0	0	14	6.1	32	32
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	17	2.4	1.8	0.68	1.4	3.8	7.2	0	0	14	6.0	32	32
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	0	0.011	0	0.01	0	0	<0.010	<0.010	0	0.011
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.011	0	0.01	0	0	0.005	0.005	0	0.011
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	0	<0.50	<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	0.25	0.25	0	0.25
pH	PH UNITS	# of Samples	1	1	1	1	2	1	2	0	0	1	2	1	13
pH	PH UNITS	Maximum	8.1	7.85	8	7.89	8.33	8.19	8.25	0	0	8.31	8.21	7.91	8.33
pH	PH UNITS	Minimum	8.1	7.85	8	7.89	8.25	8.19	8.15	0	0	8.31	7.92	7.91	7.85
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Phenolics	MG/L	Maximum	0	0	0	0	0.0014	0	0.0017	0	0	0.0015	<0.0010	0	0.0017
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	0.0014	0	0.0017	0	0	0.0015	0.0005	0	0.0017
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	0	<1.0	0	<1.0	0	0	<0.50	<0.50	0	<1.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.5	0	0.5	0	0	0.25	0.25	0	0.5
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	<0.020	0	0	<0.020	<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	0.010	0	0.010	0	0	0.010	0.010	0	0.010
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	0	700	0	1200	0	0	1200	530	0	1200
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	1	0	0	1	0	0	2
Calculated TDS	MG/L	Monthly Average	0	0	0	0	700	0	1200	0	0	1200	530	0	1200
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	2	1	2	0	0	1	2	1	13
Total Suspended Solids	MG/L	Maximum	28	21	26	5.8	17	18	19	0	0	21	5.2	10	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	28	21	26	5.8	11.7	18	14.5	0	0	21	5	10	28
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	0	1	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	0	7	0	7.8	0	0	<5.0	5.2	0	7.8
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	7	0	7.8	0	0	2.5	5.2	0	7.8

TABLE 14: City of St. John's - Robin Hood Bay Landfill 2019 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	1600	0	0	0	1500	0	1700	0	0	1500	0	0	1700
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	1600	0	0	0	1500	0	1700	0	0	1500	0	0	1700
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	0	0	0	6.4	0	0	6.4
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	0	0	0	0	0	0	0	0	0	6.4	0	0	6.4
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	0	0	0	<0.0050	0	0.0069	0	0	<0.0050	0	0	0.0069
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	0	0	0.0025	0	0.0069	0	0	0.0025	0	0	0.0069
Total Cadmium	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	<0.010	0	0	0	0.02	0	0.017	0	0	<0.010	0	0	0.02
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.005	0	0	0	0.02	0	0.017	0	0	0.005	0	0	0.02
Total Chromium	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	<1.0	0	0	0	4.7	0	5.2	0	0	<1.0	0	0	5.2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0.5	0	0	0	4.7	0	5.2	0	0	0.5	0	0	5.2
Total Hexavalent Chromium	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Hexavalent Chromium	UG/L	Maximum	<0.50	0	0	0	<0.50	0	<0.50	0	0	<0.50	0	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	0.25	0	0.25	0	0	0.25	0	0	0.25
Total Copper	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	<2.0	0	0	0	2.3	0	2.4	0	0	6.7	0	0	6.7
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	0	0	0	2.3	0	2.4	0	0	6.7	0	0	6.7
Total Iron	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	16000	0	0	0	18000	0	25000	0	0	12000	0	0	25000
Total Iron	UG/L	Exceedance(>15000)	1	0	0	0	1	0	1	0	0	0	0	0	3
Total Iron	UG/L	Monthly Average	16000	0	0	0	18000	0	25000	0	0	12000	0	0	25000
Total Mercury	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	<0.013	0	0	0	<0.013	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	0.0065	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	<2.0	0	0	0	13	0	12	0	0	<2.0	0	0	13
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	13	0	12	0	0	1	0	0	13
Orthophosphate	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	<0.010	0	0	0	<0.010	0	<0.010	0	0	<0.010	0	0	<0.010
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0	0	0	0.005	0	0.005	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	<0.50	0	0	0	0.57	0	<0.50	0	0	<0.50	0	0	0.57
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0	0.57	0	0.25	0	0	0.25	0	0	0.57

TABLE 14 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2019 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.35	0	0	0	7.51	0	7.55	0	0	7.12	0	0	7.55
pH	PH UNITS	Minimum	7.35	0	0	0	7.51	0	7.55	0	0	7.12	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
Phenolics	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0.0073	0	0	0	0.0058	0	0.0032	0	0	0.0028	0	0	0.0073
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0073	0	0	0	0.0058	0	0.0032	0	0	0.0028	0	0	0.0073
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0.21	0	0	0	0.24	0	0.25	0	0	0.14	0	0	0.25
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	0.21	0	0	0	0.24	0	0.25	0	0	0.14	0	0	0.25
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	46	0	0	0	54	0	68	0	0	34	0	0	68
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	46	0	0	0	54	0	68	0	0	34	0	0	68
Total Zinc	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	<5.0	0	0	0	31	0	53	0	0	<5.0	0	0	53
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	0	0	0	31	0	53	0	0	2.5	0	0	53

TABLE 15: Corner Brook Pulp and Paper 2019 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	2	4	4	4	5	4	5	4	5	5	50
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	2	4	4	4	5	4	5	4	4	5	49
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	1	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	2	1	1	1	1	1	1	4	1	16
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	2	1	1	1	1	1	1	3	1	15
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	1	0	1
pH	PH UNITS	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
pH	PH UNITS	Maximum	0	0	0	7.77	0	0	7.62	0	0	7.75	0	0	7.77
pH	PH UNITS	Minimum	0	0	0	7.77	0	0	7.62	0	0	7.75	0	0	7.62
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 16: Corner Brook Pulp and Paper 2019 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	2	5	4	4	5	4	5	4	4	5	50
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	2	5	4	4	5	4	5	4	4	5	50
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	0	0	0	1	0	0	1	0	0	1	0	0	3
pH	PH UNITS	Maximum	0	0	0	7.38	0	0	7.21	0	0	7.36	0	0	7.38
pH	PH UNITS	Minimum	0	0	0	7.38	0	0	7.21	0	0	7.36	0	0	7.21
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 2019 Total Mill Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TSS	Tonnes/ Day	# of Samples	31	28	31	30	31	30	31	31	30	31	30	31	365
TSS	Tonnes/ Day	Maximum	31.8315	4.1327	11.0649	7.1528	1.7335	2.7854	2.5266	2.2030	2.9149	3.0152	2.4417	10.6186	31.8315
TSS	Tonnes/ Day	Exceedance (>15.66)	1	0	0	0	0	0	0	0	0	0	0	0	1
TSS	Tonnes/ Day	Average	3.7294	1.9605	4.5887	1.4901	0.8756	1.2825	1.2363	1.1498	0.9115	1.2040	0.7528	1.0478	4.5887
TSS	Tonnes/ Day	Exceedance (>9.39)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	15	12	12	13	14	12	14	13	12	15	12	13	157
BOD	Tonnes/ Day	Maximum	5.6503	0.9571	1.6821	1.2745	0.8382	0.9545	0.9825	0.8355	0.5157	1.9386	0.4023	1.9437	5.6503
BOD	Tonnes/ Day	Exceedance (>10.44)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	1.3896	0.6069	0.9360	0.5029	0.3408	0.5451	0.5973	0.3969	0.2472	0.6461	0.2709	0.4060	1.3896
BOD	Tonnes/ Day	Exceedance (>6.26)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 18: Country Ribbon Incorporated (White Hills Road) 2019 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	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Boron	UG/L	Maximum	0	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	0	0	0	25	0	0	25	0	0	25	0	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	4	4	4	3	5	4	5	4	4	5	4	3	49
Biochemical Oxygen Demand	MG/L	Maximum	550	500	450	250	760	630	670	700	670	1600	570	540	1600
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	3	3	2	0	4	4	5	4	4	5	2	1	37
Biochemical Oxygen Demand	MG/L	Monthly Average	365	410	342.5	160	500	420	458	548	535	792	405	353	792
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Cadmium	UG/L	Maximum	0	0	0	0.014	0	0	0.034	0	0	0.071	0	0	0.071
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	0.034	0	0	0.071	0	0	0.071
Total Chromium	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Chromium	UG/L	Maximum	0	0	0	1.1	0	0	1.5	0	0	2.4	0	0	2.4
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	1.1	0	0	1.5	0	0	2.4	0	0	2.4
Total Copper	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Copper	UG/L	Maximum	0	0	0	36	0	0	50	0	0	130	0	0	130
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	36	0	0	50	0	0	130	0	0	130
Total Iron	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Iron	UG/L	Maximum	0	0	0	160	0	0	250	0	0	500	0	0	500
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	160	0	0	250	0	0	500	0	0	500
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	<0.002	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	0.007	0	0	0.007	0	0	0.001	0	0	0.007	0	0	0.007
Total Nickel	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	0	<2.0	0	0	2.8	0	0	2.8
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	0	2.8	0	0	2.8
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Orthophosphate	MG/L	Maximum	0	0	0	2.5	0	0	3.3	0	0	6	0	0	6
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	1	0	0	1
Orthophosphate	MG/L	Monthly Average	0	0	0	2.5	0	0	3.3	0	0	6	0	0	6
Total Lead	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Lead	UG/L	Maximum	0	0	0	<0.50	0	0	<0.50	0	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0.25	0	0	0.25	0	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	4	4	4	5	5	4	6	4	4	6	4	3	53
pH	PH UNITS	Maximum	6.65	6.58	6.65	6.65	6.6	6.6	6.69	6.6	6.66	6.67	6.76	6.86	6.86
pH	PH UNITS	Minimum	6.43	6.47	6.54	6.54	6.35	6.44	6.27	6.42	6.34	6.35	6.43	6.45	6.27
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	0.0230	0	0	0.0093	0	0	<0.0010	0	0	0.0081	0	0	0.0230
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0230	0	0	0.0093	0	0	0.0005	0	0	0.0081	0	0	0.0230

TABLE 18 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2019 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	5	4	5	4	4	5	4	3	50
Total Oil and Grease	MG/L	Maximum	110	150	220	58	300	130	170	280	180	210	120	110	300
Total Oil and Grease	MG/L	Exceedance(>100)	1	1	1	0	3	2	2	3	1	4	2	1	21
Total Oil and Grease	MG/L	Monthly Average	66	92	119	45	155	97	95	157	82	132	68	73	157
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	5	4	5	4	4	5	4	3	50
Total Suspended Solids	MG/L	Maximum	370	380	280	170	440	710	440	400	500	1100	390	350	1100
Total Suspended Solids	MG/L	Exceedance(>350)	1	1	0	0	2	3	2	1	2	4	1	0	17
Total Suspended Solids	MG/L	Monthly Average	283	290	208	148	346	448	282	283	323	576	245	223	576
Total Zinc	UG/L	# of Samples	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Zinc	UG/L	Maximum	0	0	0	59	0	0	42	0	0	89	0	0	89
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	59	0	0	42	0	0	89	0	0	89

TABLE 19: DJ Composites 2019 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	920	0	0	0	0	0	0	0	0	0	0	920
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	920	0	0	0	0	0	0	0	0	0	0	920
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	110	0	0	0	0	0	110
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	0	0	0	0	0	0	110	0	0	0	0	0	110
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0.0084	0	0	0	0	0	0	0	0	0	0	0.0084
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	0.0084	0	0	0	0	0	0	0	0	0	0	0.0084
Total Cadmium	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	<0.010	0	0	0	0	0	0	0	0	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0.005	0	0	0	0	0	0	0	0	0	0	0.005
Total Chromium	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	14	0	0	0	0	0	0	0	0	0	0	14
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	14	0	0	0	0	0	0	0	0	0	0	14
Total Hexavalent Chromium	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Hexavalent Chromium	UG/L	Maximum	0	<0.50	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0.25
Total Copper	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	130	0	0	0	0	0	0	0	0	0	0	130
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	130	0	0	0	0	0	0	0	0	0	0	130
Total Iron	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	1400	0	0	0	0	0	0	0	0	0	0	1400
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	1400	0	0	0	0	0	0	0	0	0	0	1400
Total Mercury	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	<0.013	0	0	0	0	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0.0065	0	0	0	0	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	<2.0	0	0	0	0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	1	0	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0.33	0	0	0	0	0	0	0	0	0	0	0.33
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	0.33	0	0	0	0	0	0	0	0	0	0	0.33
Total Lead	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	13	0	0	0	0	0	0	0	0	0	0	13
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	13	0	0	0	0	0	0	0	0	0	0	13

TABLE 19 CONTINUED: DJ Composites 2019 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	8.48	0	0	0	0	0	0	0	0	0	0	8.48
pH	PH UNITS	Minimum	0	8.48	0	0	0	0	0	0	0	0	0	0	8.48
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0.039	0	0	0	0	0	0	0	0	0	0	0.039
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	0.039	0	0	0	0	0	0	0	0	0	0	0.039
Total Oil and Grease	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Oil and Grease	MG/L	Maximum	0	8.1	0	0	0	0	0	0	0	0	0	0	8.1
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	0	8.1	0	0	0	0	0	0	0	0	0	0	8.1
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	1.4	0	0	0	0	0	0	0	0	0	0	1.4
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	1.4	0	0	0	0	0	0	0	0	0	0	1.4
Total Suspended Solids	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	11	0	0	0	0	0	0	0	0	0	0	11
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	11	0	0	0	0	0	0	0	0	0	0	11
Total Zinc	UG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	220	0	0	0	0	0	0	0	0	0	0	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	220	0	0	0	0	0	0	0	0	0	0	220

TABLE 20: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	0.001	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	0.0005	0	0	0	0	0	0.001	0	0.001
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.03	0	0	0	0	0	0.03	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	0.03	0	0	0	0	0	0.03	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	0	0.01	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	0.005	0	0	0	0	0	0.01	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0296	0	0	0	0	0	0.0364	0	0.0364
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	0.0296	0	0	0	0	0	0.0364	0	0.0364
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	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	0.0005	0	0	0	0	0	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.082	0	0	0	0	0	0.099	0	0.099
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	0.082	0	0	0	0	0	0.099	0	0.099
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.05	0	0	0	0	0	0.06	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	0.05	0	0	0	0	0	0.06	0	0.06
Total Mercury	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Mercury	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	<0.0001	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	0.00005	0	0	0	0	0	0.00005	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	0	0	0	<0.005	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	0.0025	0	0	0	0	0	0.0025	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	1.02	0	0	0	0	0	0.77	0	1.02
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	1.02	0	0	0	0	0	0.77	0	1.02
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.003	0	0	0	0	0	0.002	0	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	0.003	0	0	0	0	0	0.002	0	0.003
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	6.33	0	0	0	0	0	6.81	0	6.81
pH	PH UNITS	Minimum	0	0	0	0	6.33	0	0	0	0	0	6.81	0	6.33
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 20 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0.001	0	0	0	0	0	0.003	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	0.001	0	0	0	0	0	0.003	0	0.003
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	202	0	0	0	0	0	267	0	267
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	202	0	0	0	0	0	267	0	267
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	<2	0	0	0	0	0	4	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	1	0	0	0	0	0	4	0	4
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	14.3	0	0	0	0	0	15	0	15
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	14.3	0	0	0	0	0	15	0	15

TABLE 21: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0	0.001	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	0.002	0	0	0	0	0	0.001	0	0.002
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.38	0	0	0	0	0	0.23	0	0.38
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	0.38	0	0	0	0	0	0.23	0	0.38
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	0	<0.01	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	0.005	0	0	0	0	0	0.005	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0067	0	0	0	0	0	0.0138	0	0.0138
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	0.0067	0	0	0	0	0	0.0138	0	0.0138
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	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	0.0005	0	0	0	0	0	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.022	0	0	0	0	0	0.015	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	0.022	0	0	0	0	0	0.015	0	0.022
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.54	0	0	0	0	0	0.17	0	0.54
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	0.54	0	0	0	0	0	0.17	0	0.54

TABLE 21 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Mercury	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	<0.0001	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	0.00005	0	0	0	0	0	0.00005	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	0	0	0	<0.005	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	0.0025	0	0	0	0	0	0.0025	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	0	0	0	0	<0.10	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	0.05	0	0	0	0	0	0.05	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.266	0	0	0	0	0	0.275	0	0.275
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Monthly Average	0	0	0	0	0.266	0	0	0	0	0	0.275	0	0.275
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	7.02	0	0	0	0	0	7.45	0	7.45
pH	PH UNITS	Minimum	0	0	0	0	7.02	0	0	0	0	0	7.45	0	7.02
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	1	0	0	0	0	0	1	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	0	<0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0	0.0005	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	60	0	0	0	0	0	102	0	102
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	60	0	0	0	0	0	102	0	102
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	<2	0	0	0	0	0	7	0	7
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	1	0	0	0	0	0	7	0	7
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	2.2	0	0	0	0	0	3.68	0	3.68
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	2.2	0	0	0	0	0	3.68	0	3.68

TABLE 22: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	0.001	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	0.0005	0	0	0	0	0	0.001	0	0.001
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.07	0	0	0	0	0	0.06	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	0.07	0	0	0	0	0	0.06	0	0.07

TABLE 22 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	0	<0.01	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	0.005	0	0	0	0	0	0.005	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.113	0	0	0	0	0	0.0622	0	0.113
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.113	0	0	0	0	0	0.0622	0	0.113
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	0.001	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	0.0005	0	0	0	0	0	0.001	0	0.001
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.741	0	0	0	0	0	0.675	0	0.741
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Copper	MG/L	Monthly Average	0	0	0	0	0.741	0	0	0	0	0	0.675	0	0.741
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.15	0	0	0	0	0	0.69	0	0.69
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	0.15	0	0	0	0	0	0.69	0	0.69
Total Mercury	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Mercury	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	<0.0001	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	0.00005	0	0	0	0	0	0.00005	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	0.007	0	0	0	0	0	0.007	0	0.007
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	0.007	0	0	0	0	0	0.007	0	0.007
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	0.27	0	0	0	0	0	0.21	0	0.27
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	0.27	0	0	0	0	0	0.21	0	0.27
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.366	0	0	0	0	0	0.387	0	0.387
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Monthly Average	0	0	0	0	0.366	0	0	0	0	0	0.387	0	0.387
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	6.96	0	0	0	0	0	6.72	0	6.96
pH	PH UNITS	Minimum	0	0	0	0	6.96	0	0	0	0	0	6.72	0	6.72
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	1	0	0	0	0	0	1	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0	0.002	0	0.002
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.002	0	0	0	0	0	0.002	0	0.002
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	280	0	0	0	0	0	235	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	0	280	0	0	0	0	0	235	0	280

TABLE 22 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	2	0	0	0	0	0	18	0	18
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	2	0	0	0	0	0	18	0	18
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	31.3	0	0	0	0	0	16.9	0	31.3
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	31.3	0	0	0	0	0	16.9	0	31.3

TABLE 23: Department of Industry, Energy and Technology (Buchans) 2019 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	0	1	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.001	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	0.0005	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.02	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	0.02	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.02	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	0	0.02	0	0.02
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.0003	0	0.0003
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	0.0003	0	0.0003
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.001	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	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.002	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	0.002	0	0.002
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.19	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	0	0.19	0	0.19
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.0001	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	0.00005	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.005	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	0.0025	0	0.0025

TABLE 23 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 Site 17

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	0	0	0	0	1	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.10	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	0.05	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.001	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	0.001	0	0.001
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.93	0	7.93
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.93	0	7.93
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	0	1	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.001	0	<0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.0005	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	292	0	292
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	292	0	292
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2	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	0	1	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.44	0	0.44
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.44	0	0.44

TABLE 24: Department of Industry, Energy and Technology (Buchans) 2019 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	1	0	0	0	0	0	1	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	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	0.0005	0	0	0	0	0	0.0005	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.44	0	0	0	0	0	0.5	0	0.5
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	0.44	0	0	0	0	0	0.5	0	0.5
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	0	<0.01	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	0.005	0	0	0	0	0	0.005	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0022	0	0	0	0	0	0.0022	0	0.0022
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	0.0022	0	0	0	0	0	0.0022	0	0.0022

TABLE 24 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2019 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	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	0.0005	0	0	0	0	0	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.013	0	0	0	0	0	0.009	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	0.013	0	0	0	0	0	0.009	0	0.013
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.35	0	0	0	0	0	0.1	0	0.35
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	0.35	0	0	0	0	0	0.1	0	0.35
Total Mercury	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Mercury	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	<0.0001	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	0.00005	0	0	0	0	0	0.00005	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	0	0	0	<0.005	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	0.0025	0	0	0	0	0	0.0025	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	0	0	0	0	<0.10	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	0.05	0	0	0	0	0	0.05	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.078	0	0	0	0	0	0.051	0	0.078
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	0.078	0	0	0	0	0	0.051	0	0.078
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	7.08	0	0	0	0	0	7.44	0	7.44
pH	PH UNITS	Minimum	0	0	0	0	7.08	0	0	0	0	0	7.44	0	7.08
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	1	0	0	0	0	0	1	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0	<0.001	0	<0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0	0.0005	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	32	0	0	0	0	0	42	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	32	0	0	0	0	0	42	0	42
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	<2	0	0	0	0	0	22	0	22
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	22	0	22
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0.62	0	0	0	0	0	0.61	0	0.62
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	1	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.62	0	0	0	0	0	0.61	0	0.62

TABLE 25: Department of Industry, Energy and Technology (Whalesback) 2019 Tunnel Exit

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	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	0	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	0.0005	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	<0.01	0	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	0	0	0	0.005
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	0.02	0	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	0.02	0	0	0	0	0.02
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	0.0008	0	0	0	0	0.0008
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	0.0008	0	0	0	0	0.0008
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	<0.001	0	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	0.0005	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	0.085	0	0	0	0	0.085
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	0.085	0	0	0	0	0.085
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	4.68	0	0	0	0	4.68
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	4.68	0	0	0	0	4.68
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	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	0.00005	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0.01	0	0	0	0	0.01
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	0.01	0	0	0	0	0.01
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	<0.10	0	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	0.05	0	0	0	0	0.05
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	<0.001	0	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	0.0005	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	8.07	0	0	0	0	8.07
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	8.07	0	0	0	0	8.07
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 (Whalesback) 2019 Tunnel Exit

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	1	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	0	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	0	0	0	0
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	498	0	0	0	0	498
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	498	0	0	0	0	498
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	12	0	0	0	0	12
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	12	0	0	0	0	12
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	0.13	0	0	0	0	0.13
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	0.13	0	0	0	0	0.13

TABLE 26: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.03	0	0	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	0.03	0	0	0	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0.02
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0.0002	0	0	0	0	0	0.0002
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	0.0002	0	0	0	0	0	0.0002
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.033	0	0	0	0	0	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	0.033	0	0	0	0	0	0.033
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	<0.03	0	0	0	0	0	<0.03
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	0.015	0	0	0	0	0	0.015
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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.3	0	0	0	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	0.3	0	0	0	0	0	0.3
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.49	0	0	0	0	0	7.49
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.49	0	0	0	0	0	7.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 26 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	149	0	0	0	0	0	149
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	149	0	0	0	0	0	149
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	<2	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	0	1	0	0	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0.03	0	0	0	0	0	0.03
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	0.03	0	0	0	0	0	0.03

TABLE 27: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0.01	0	0	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	0.01	0	0	0	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.015	0	0	0	0	0	0.015
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	0.015	0	0	0	0	0	0.015
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.42	0	0	0	0	0	0.42
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	0.42	0	0	0	0	0	0.42

TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.52	0	0	0	0	0	7.52
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.52	0	0	0	0	0	7.52
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	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	105	0	0	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	105	0	0	0	0	0	105
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	<2	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	0	1	0	0	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005

TABLE 28: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0.02

TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Catch Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.003	0	0	0	0	0	0.003
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	0.003	0	0	0	0	0	0.003
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.15	0	0	0	0	0	0.15
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	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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.49	0	0	0	0	0	7.49
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.49	0	0	0	0	0	7.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	491	0	0	0	0	0	491
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	491	0	0	0	0	0	491

TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Catch Basin

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

TABLE 29: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.01	0	0	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	0.01	0	0	0	0	0	0.01
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.009	0	0	0	0	0	0.009
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	0.009	0	0	0	0	0	0.009
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.52	0	0	0	0	0	0.52
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	0.52	0	0	0	0	0	0.52
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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025

TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Inlet to BHB

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	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.42	0	0	0	0	0	7.42
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.42	0	0	0	0	0	7.42
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	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	71	0	0	0	0	0	71
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	71	0	0	0	0	0	71
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	2	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	0	2	0	0	0	0	0	2
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005

TABLE 30: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005

TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Open Pit Spillway

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.001	0	0	0	0	0	0.001
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	0.001	0	0	0	0	0	0.001
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.29	0	0	0	0	0	0.29
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	0	0.29	0	0	0	0	0	0.29
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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.88	0	0	0	0	0	7.88
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.88	0	0	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 Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	840	0	0	0	0	0	840
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	840	0	0	0	0	0	840
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	6	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	0	0	6	0	0	0	0	0	6
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005

TABLE 31: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.009	0	0	0	0	0	0.009
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	0.009	0	0	0	0	0	0.009
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.15	0	0	0	0	0	0.15
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	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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.4	0	0	0	0	0	7.4
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.4	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

TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Pine 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	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.4	0	0	0	0	0	7.4
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.4	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 Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	42	0	0	0	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	42	0	0	0	0	0	42
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	5	0	0	0	0	0	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	0	0	0	0	0	0	5	0	0	0	0	0	5
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005

TABLE 32: Department of Industry, Energy and Technology (Hope Brook) 2019 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	1	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0.01	0	0	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	0.01	0	0	0	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0.008	0	0	0	0	0	0.008
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	0.008	0	0	0	0	0	0.008

TABLE 32 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2019 Polish Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0.18	0	0	0	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	0.18	0	0	0	0	0	0.18
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	<0.0001	0	0	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	0.00005	0	0	0	0	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.66	0	0	0	0	0	7.66
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.66	0	0	0	0	0	7.66
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	82	0	0	0	0	0	82
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	82	0	0	0	0	0	82
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	<2	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	0	1	0	0	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0.005

Table 33: Department of Industry, Energy and Technology (Gullbridge) 2019 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	1	0	1	0	0	0	1	0	3
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	<0.001	0	0	0	<0.001	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	0.0005	0	0.0005	0	0	0	0.0005	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Barium	MG/L	Maximum	0	0	0	0	0.02	0	0.03	0	0	0	0.02	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	0.02	0	0.03	0	0	0	0.02	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	<0.01	0	0	0	<0.01	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	0.005	0	0.005	0	0	0	0.005	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0003	0	5E-04	0	0	0	8E-04	0	0.0008
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	0.0003	0	5E-04	0	0	0	8E-04	0	0.0008
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	<0.001	0	0	0	0.001	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	0.0005	0	5E-04	0	0	0	0.001	0	0.001
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Copper	MG/L	Maximum	0	0	0	0	0.345	0	0.636	0	0	0	1.37	0	1.37
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Copper	MG/L	Monthly Average	0	0	0	0	0.345	0	0.636	0	0	0	1.37	0	1.37
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Iron	MG/L	Maximum	0	0	0	0	1.79	0	2.38	0	0	0	5.6	0	5.6
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	1.79	0	2.38	0	0	0	5.6	0	5.6
Total Mercury	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Mercury	MG/L	Maximum	0	0	0	0	<0.0001	0	<0.0001	0	0	0	<0.0001	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	0.00005	0	5E-05	0	0	0	5E-05	0	0.00005
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Nickel	MG/L	Maximum	0	0	0	0	0.077	0	0.128	0	0	0	0.164	0	0.164
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	0.077	0	0.128	0	0	0	0.164	0	0.164
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	<0.10	0	0	0	<0.10	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	0.05	0	0.05	0	0	0	0.05	0	0.05
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Lead	MG/L	Maximum	0	0	0	0	<0.001	0	<0.001	0	0	0	<0.001	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	0.0005	0	5E-04	0	0	0	5E-04	0	0.0005
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
pH	PH UNITS	Maximum	0	0	0	0	5.06	0	4.44	0	0	0	4.64	0	5.06
pH	PH UNITS	Minimum	0	0	0	0	5.06	0	4.44	0	0	0	4.64	0	4.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	1	0	1	0	0	0	1	0	3

Table 33 CONTINUED: Department of Industry, Energy and Technology (Gullbridge) 2019 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	1	0	1	0	0	0	1	0	3
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	<0.001	0	0	0	0.002	0	0.002
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.0005	0	5E-04	0	0	0	0.002	0	0.002
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Calculated TDS	MG/L	Maximum	0	0	0	0	195	0	220	0	0	0	283	0	283
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	195	0	220	0	0	0	283	0	283
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Suspended Solids	MG/L	Maximum	0	0	0	0	<2	0	<2	0	0	0	2	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	1	0	1	0	0	0	2	0	2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	1	0	0	0	1	0	3
Total Zinc	MG/L	Maximum	0	0	0	0	0.06	0	0.11	0	0	0	0.17	0	0.17
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	0.06	0	0.11	0	0	0	0.17	0	0.17

TABLE 34: Department of Transportation and Infrastructure (Grand Falls) 2019 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Silver	UG/L	Maximum	0	0	<0.10	0	0	<6	0	0	0	<6	0	<6	<6
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	3	0	0	0	3	0	3	3
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Arsenic	UG/L	Maximum	0	0	2	0	0	5.3	0	0	0	<5	0	<5	5.3
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	2	0	0	3.9	0	0	0	2.5	0	2.5	3.9
Total Barium	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Barium	UG/L	Maximum	0	0	36	0	0	66.8	0	0	0	<60	0	<60	66.8
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	36	0	0	48.4	0	0	0	30	0	30	48.4
Total Boron	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Boron	UG/L	Maximum	0	0	84	0	0	86.5	0	0	0	117.3	0	79.2	117.3
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	84	0	0	53.2	0	0	0	68.7	0	79.2	84
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Cadmium	UG/L	Maximum	0	0	0.053	0	0	<2	0	0	0	<2	0	<2	<2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.053	0	0	1	0	0	0	1	0	1	1
Total Chromium	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Chromium	UG/L	Maximum	0	0	2.7	0	0	11.1	0	0	0	4.8	0	9.5	11.1
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	2.7	0	0	6.3	0	0	0	3.15	0	9.5	9.5
Total Copper	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Copper	UG/L	Maximum	0	0	13	0	0	186.3	0	0	0	42.3	0	143.3	186.3
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	13	0	0	94.4	0	0	0	39.9	0	143.3	143.3
Total Iron	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Iron	UG/L	Maximum	0	0	1700	0	0	7614.5	0	0	0	4081.4	0	7097.6	7614.5
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	1700	0	0	3882.3	0	0	0	2115.7	0	7097.6	7097.6
Total Mercury	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Mercury	UG/L	Maximum	0	0	0.04	0	0	<2	0	0	0	<2	0	<2	<2
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	0.04	0	0	1	0	0	0	1	0	1	1
Total Nickel	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Nickel	UG/L	Maximum	0	0	4.5	0	0	20.4	0	0	0	10.3	0	22.4	22.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	4.5	0	0	11.2	0	0	0	6.15	0	22.4	22.4
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	# of Samples	0	0	1	0	0	1	0	0	0	1	0	0	3
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	Maximum	0	0	0.084	0	0	<0.02	0	0	0	0.13	0	0	0.13
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	Monthly Average	0	0	0.084	0	0	0.01	0	0	0	0.13	0	0	0.13
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	2	0	1	5
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0.901	0	0	0	0.597	0	0.66	0.901
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	0.4595	0	0	0	0.322	0	0.66	0.66

TABLE 34 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2019North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Orthophosphate	MG/L	Maximum	0	0	<0.010	0	0	<0.25	0	0	0	<0.5	0	<0.05	<0.5
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	0.075	0	0	0	0.1375	0	0.025	0.1375
Total Lead	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Lead	UG/L	Maximum	0	0	1.1	0	0	3.9	0	0	0	125.1	0	<3	125.1
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	1.1	0	0	2.7	0	0	0	111	0	1.5	111
pH	PH UNITS	# of Samples	1	1	2	1	1	2	1	1	0	3	2	2	17
pH	PH UNITS	Maximum	7.26	7.87	7.83	7.61	8.05	7.33	7.71	7.85	0	7.85	7.83	6.98	8.05
pH	PH UNITS	Minimum	7.26	7.87	7.75	7.61	8.05	7.16	7.71	7.85	0	7.76	7.22	6.19	6.19
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Phenolics	MG/L	Maximum	0	0	<0.0010	0	0	<0.002	0	0	0	<0.002	0	<2	<2
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	0.0005	0	0	0.001	0	0	0	0.001	0	1	1
Total Selenium	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Selenium	UG/L	Maximum	0	0	<1.0	0	0	<8	0	0	0	<8	0	<8	<8
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	4	0	0	0	4	0	4	4
Sulphide	MG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Sulphide	MG/L	Maximum	0	0	<0.020	0	0	<0.015	0	0	0	<0.015	0	0.005	<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	0.0075	0	0	0	0.0075	0	0.005	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Calculated TDS	MG/L	Maximum	0	0	400	0	0	608	0	0	0	668	0	606	668
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	400	0	0	313	0	0	0	346.5	0	606	606
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	0	1	1	0	1	2	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	<0.10	<0.10	<0.10	<0.10	<0.10	0	0.42	0.13	0	<0.10	<0.10	<0.10	0.42
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	0.42	0.13	0	0.05	0.05	0.05	0.42
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Suspended Solids	MG/L	Maximum	0	0	10	0	0	52	0	0	0	19	0	37	52
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Suspended Solids	MG/L	Monthly Average	0	0	10	0	0	26.75	0	0	0	10.25	0	37	37
Total Zinc	UG/L	# of Samples	0	0	1	0	0	2	0	0	0	2	0	1	6
Total Zinc	UG/L	Maximum	0	0	19	0	0	255.3	0	0	0	<100	0	215.1	255.3
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	19	0	0	152.65	0	0	0	50	0	215.1	215.1

TABLE 35: Envirosystems 2019 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	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Boron	UG/L	Maximum	4400	4800	<50	0	4200	4500	1800	51	4200	4200	1400	3700	4800
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	2880	4750	25	0	1289.4	1632	616.7	38	3503.1	1196.7	456.7	1862.5	4750
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.41	0.41
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	0	0	0	0	0	0	0	0	0	0.41	0.41
Total Cadmium	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Cadmium	UG/L	Maximum	0.19	0.14	0.069	0	0.29	0.077	<0.010	0.017	<0.010	0.23	0.24	<0.010	0.29
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	0.061	0.13	0.069	0	0.123	0.03	0.005	0.011	0.005	0.0445	0.07133	0.005	0.13
Total Chromium	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Chromium	UG/L	Maximum	11	<1.0	<1.0	0	33	1.2	1.1	1.1	<1.0	<1.0	<1.0	<1.0	33
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	3.22	0.5	0.5	0	5.39	0.64	0.7	0.8	0.5	0.5	0.5	0.5	5.39
Total Copper	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Copper	UG/L	Maximum	76	160	1.8	0	84	9.9	5.1	1.5	16	17	61	6.5	160
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	19.6	155	1.8	0	26.6222	4.97	2.65	0.875	4.28125	7.93333	20.4417	3.375	155
Total Iron	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Iron	UG/L	Maximum	3100	2100	420	0	4200	10000	5100	1600	2100	9400	7700	2500	10000
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	1740	2000	420	0	1726.11	4318	2293.33	1240	284.375	4220.83	2925	1550	4318
Total Mercury	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Mercury	UG/L	Maximum	0.44	0.11	<0.013	0	0.85	0.044	0.48	<0.013	0.04	0.21	0.78	0.092	0.85
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	0.322	0.095	0.0065	0	0.28139	0.01094	0.1625	0.0065	0.01894	0.05575	0.14517	0.04925	0.322
Total Nickel	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Nickel	UG/L	Maximum	66	70	3.4	0	340	91	39	3.9	98	170	96	110	340
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	37.6	61	3.4	0	68.2	34.7	14.3	2.5	21.5	64.3	28.3	55.5	68.2
Total Lead	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Lead	UG/L	Maximum	28	9.7	0.86	0	42	1.1	5.1	<0.50	<0.50	16	34	5.1	42
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	7.95	7.7	0.86	0	11.73	0.53	2.06	0.25	0.25	3.85	6.13	2.68	11.73
pH	PH UNITS	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
pH	PH UNITS	Maximum	7.34	7.19	7.51	0	7.51	7.86	7.52	7.59	8.37	7.58	7.5	7.17	8.37
pH	PH UNITS	Minimum	6.65	6.86	7.51	0	6.58	6.19	6.34	7.59	6.98	6.54	6.41	6.91	6.19
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	1	1
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.65	0.65
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	0	0	0	0	0	0.65	0.65

TABLE 35 CONTINUED: Envirosystems 2019 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TPH (Atlantic PIRI)	MG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
TPH (Atlantic PIRI)	MG/L	Maximum	84	31	0.99	0	22	13	11	0.76	3.4	25	61	5.4	84
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	25.7	24.5	0.99	0	6.2	5.0	3.9	0.59	0.6	5.9	26.1	2.9	26.1
Total Suspended Solids	MG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Suspended Solids	MG/L	Maximum	78	1.8	2.4	0	42	15	34	6	12	22	50	2.8	78
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	28	1.4	2.4	0	16.4	9.5	13.9	3.9	4.4	13.9	20.1	2.6	28
Total Zinc	UG/L	# of Samples	5	2	2	0	9	5	3	2	8	6	6	2	50
Total Zinc	UG/L	Maximum	490	430	80	0	320	470	70	12	55	160	120	160	490
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	170.2	430	80	0	97.4	174.6	26.3	7.3	9.0	41.1	47	81.3	430

TABLE 36: Husky Oil Operations-Atlantic (Argentia) 2019 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	48	55	55	52	50	51	56	56	47	46	48	47	56
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	48	55	55	52	50	51	56	56	47	46	48	47	56
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	3500	3400	3400	3400	3200	3400	3800	3300	3400	3400	3600	3500	3800
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	3500	3400	3400	3400	3200	3400	3800	3300	3400	3400	3600	3500	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	0.84	0.8	0.74	0.79	0.76	0.77	0.76	0.75	0.68	0.78	0.74	0.8	0.84
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	0.84	0.8	0.74	0.79	0.76	0.77	0.76	0.75	0.68	0.78	0.74	0.8	0.84
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	<2.0	<0.50	5.7	7.4	6.9	7.4	7.7	<0.50	<0.50	9.2	6.4	7.9	9.2
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	0.25	5.7	7.4	6.9	7.4	7.7	0.25	0.25	9.2	6.4	7.9	9.2
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	0.018	0.013	<0.013	<0.013	<0.013	0.0041	<0.013	<0.013	<0.013	<0.013	<0.013	0.018
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0.018	0.013	0.0065	0.0065	0.0065	0.0041	0.0065	0.0065	0.0065	0.0065	0.0065	0.018
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	4.9	5	5.2	5.1	4.7	5	4.7	4.7	4.2	4.2	4.6	4.3	5.2
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	4.9	5	5.2	5.1	4.7	5	4.7	4.7	4.2	4.2	4.6	4.3	5.2
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

TABLE 36 CONTINUED: Husky Oil Operations-Atlantic (Argentia) 2019 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	5	4	4	5	4	3	5	4	4	5	4	5	52
pH	PH UNITS	Maximum	7.55	7.61	7.97	7.68	7.81	7.73	7.76	7.58	7.63	7.66	7.92	7.83	7.97
pH	PH UNITS	Minimum	7.44	7.5	7.42	7.44	7.61	7.49	7.49	7.48	7.4	7.51	7.57	7.53	7.4
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	0.0016	<0.0010	<0.0010	0.021	<0.0010	0.0016	<0.0010	0.0082	<0.0010	0.0039	0.0037	0.0013	0.021
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0016	0.0005	0.0005	0.021	0.0005	0.0016	0.0005	0.0082	0.0005	0.0039	0.0037	0.0013	0.021
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.25	0.25	0.25	0.25	0.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	28000	27000	27000	32000	28000	29000	28000	26000	22000	22000	28000	20000	32000
Calculated TDS	MG/L	Combined Inflow	27000	27000	27000	32000	29000	28000	28000	22000	22000	22000	22000	21000	32000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	1	0	0	1	0	2
Calculated TDS	MG/L	Monthly Average	28000	27000	27000	32000	28000	29000	28000	26000	22000	22000	28000	20000	32000
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	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	0.05	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	5	4	4	5	4	3	5	4	4	5	4	5	52
Total Suspended Solids	MG/L	Maximum	5.4	2.4	10	7.8	6.6	4	4.4	2.6	8.4	5.6	3.6	3.2	10
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	2.68	1.65	3.66	3.24	3.20	2.67	2.16	2.20	3.50	3.08	2.55	2.32	3.66
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	<5.0	<5.0	<5.0	<5.0	<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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

TABLE 37: Husky Oil Operations-Atlantic (Argentia) 2019 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

TABLE 37 CONTINUED: Husky Oil Operations-Atlantic (Argentia) 2019 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Barium	UG/L	Maximum	99	97	100	95	100	100	110	96	97	110	110	110	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	99	97	100	95	100	100	110	96	97	110	110	110	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	2000	2200	2100	2000	2100	2200	1900	2000	2200	2200	2200	2200
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	2000	2200	2100	2000	2100	2200	1900	2000	2200	2200	2200	2200
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	1.2	1.2	1.2	1.2	1.2	1.3	1.1	1.2	1.1	1.2	1.2	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	1.2	1.2	1.2	1.2	1.2	1.3	1.1	1.2	1.1	1.2	1.2	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	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	5.3	<0.50	<0.50	8.5	7.7	5.3	8.5
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	0.25	0.25	0.25	0.25	0.25	5.3	0.25	0.25	8.5	7.7	5.3	8.5
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	0.015	0.015	0.015	<0.013	0.013	0.013	0.0079	<0.013	0.018	0.013	<0.013	<0.013	0.018
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.015	0.015	0.015	0.0065	0.013	0.013	0.0079	0.0065	0.018	0.013	0.0065	0.0065	0.018
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	5.9	5.5	5.9	5.9	5.8	6.6	5.7	6	5.2	5.8	6	6.3	6.6
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	5.9	5.5	5.9	5.9	5.8	6.6	5.7	6	5.2	5.8	6	6.3	6.6
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	0.016	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.016
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	0.016	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.016
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	5	4	4	5	4	4	5	4	4	5	4	5	53
pH	PH UNITS	Maximum	7.55	7.56	7.58	7.67	7.78	7.78	7.57	7.56	7.63	7.57	7.57	7.72	7.78
pH	PH UNITS	Minimum	7.49	7.51	7.47	7.47	7.55	7.47	7.5	7.47	7.45	7.5	7.51	7.43	7.43
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 37 CONTINUED: Husky Oil Operations-Atlantic (Argentia) 2019 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	<0.0010	0.0051	<0.0010	0.001	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	0.0051
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0051	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0012	0.0005	0.0051
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.25	0.25	0.25	0.25	0.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	19000	18000	18000	20000	19000	18000	17000	14000	15000	16000	16000	14000	20000
Calculated TDS	MG/L	Combined Inflow	15000	15000	14000	17000	15000	14000	15000	12000	13000	13000	13000	12000	17000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Monthly Average	19000	18000	18000	20000	19000	18000	17000	14000	15000	16000	16000	14000	20000
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	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	0.05	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	5	4	4	5	4	4	5	4	4	5	4	5	53
Total Suspended Solids	MG/L	Maximum	1.6	1	2.4	2.2	1.8	3.4	3.8	1.6	5.8	1.4	2	1.2	5.8
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	1.02	0.44	1.31	1.13	1.16	1.91	1.63	1.01	2.21	0.82	1.26	0.74	2.21
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	<5.0	<5.0	<5.0	<5.0	<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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

TABLE 38: Iron Ore Company of Canada (Labrador City) 2019 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	4	5	4	4	5	4	5	4	4	5	52
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	0.0019	<0.0010	0.0021	<0.0010	0.0012	<0.0010	<0.0010	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	0.0005	0.0005	0.0005	0.0007	0.0009	0.0005	0.0009	0.0005	0.0007	0.0005	0.0005	0.0009
Total Copper	MG/L	# of Samples	4	4	4	5	4	4	5	4	5	4	4	5	52
Total Copper	MG/L	Maximum	0.00097	0.0029	<0.00050	0.0011	0.0017	0.0025	0.0017	0.0021	0.003	0.015	0.003	0.0012	0.015
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	0.0014	0.0003	0.0009	0.0015	0.0015	0.0008	0.0011	0.0013	0.0042	0.0011	0.0007	0.0042
Total Nickel	MG/L	# of Samples	4	4	4	5	4	4	5	4	5	4	4	5	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	4	5	4	4	5	4	5	4	4	5	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	4	5	4	4	5	4	5	4	4	5	52
pH	PH UNITS	Maximum	8.28	7.98	8.01	8.01	8.11	8.05	8.05	8.04	8.03	8.07	8.05	8.02	8.28
pH	PH UNITS	Minimum	7.84	7.75	7.87	7.77	7.88	7.78	7.96	7.91	7.88	7.75	7.9	7.9	7.75
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	2	4	5	3	3	5	4	2	4	4	5	45
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	4	5	6	4	5	4	5	4	4	5	54
Total Suspended Solids	MG/L	Maximum	0.7	1.3	0.6	3.4	52	5.3	5.4	<5.0	1.1	12	2.2	2.7	52
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	0.5	0.7	0.4	1.0	20.1	3.1	1.6	1.5	0.8	3.8	1.0	1.3	20.1
Total Zinc	MG/L	# of Samples	4	4	4	5	4	4	5	4	5	4	4	5	52
Total Zinc	MG/L	Maximum	0.0076	0.0056	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0066	0.0096	0.048	0.048
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	0.0038	0.0033	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0035	0.0043	0.0128	0.0128

TABLE 39: Iron Ore Company of Canada (Labrador City) 2019 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	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

TABLE 39 CONTINUED: Iron Ore Company of Canada (Labrador City) 2019 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	0	3	4	5	4	5	4	3	1	29
Total Arsenic	MG/L	Maximum	0	0	0	0	<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	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	4	5	4	5	4	3	1	29
Total Copper	MG/L	Maximum	0	0	0	0	<0.00050	<0.00050	<0.00050	0.0014	0.00057	<0.00050	<0.00050	<0.00050	0.0014
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	0.0003	0.0003	0.0003	0.0005	0.0003	0.0003	0.0003	0.0003	0.0005
Total Nickel	MG/L	# of Samples	0	0	0	0	3	4	5	4	5	4	3	1	29
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	3	4	5	4	5	4	3	1	29
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	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
pH	PH UNITS	# of Samples	0	0	0	0	3	4	5	4	5	4	3	1	29
pH	PH UNITS	Maximum	0	0	0	0	7.95	8.12	8.38	8.38	8.22	8.07	8.01	7.83	8.38
pH	PH UNITS	Minimum	0	0	0	0	7.59	7.6	7.91	8.06	7.99	7.66	7.32	7.83	7.32
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	3	5	4	2	4	3	1	24
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	4	5	4	5	4	3	1	29
Total Suspended Solids	MG/L	Maximum	0	0	0	0	2.5	5.8	3.3	<5.0	2.9	7.7	3.9	1.5	7.7
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	2.30	2.50	1.60	1.80	1.37	4.65	2.33	1.50	4.65
Total Zinc	MG/L	# of Samples	0	0	0	0	3	4	5	4	5	4	3	1	29
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	0.0066	<0.0050	<0.0050	0.0056	<0.0050	<0.0050	0.0066
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	0.0033	0.0025	0.0025	0.0040	0.0025	0.0025	0.0040

TABLE 40: Iron Ore Company of Canada (Labrador City) 2019 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	4	4	3	4	5	4	5	4	4	2	47
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	4	4	3	4	5	4	5	4	4	2	47
Total Copper	MG/L	Maximum	0.0023	0.0012	0.0012	0.00053	0.00069	0.0011	0.0015	0.00099	0.00098	0.0012	0.00074	0.00052	0.0023
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	0.0011	0.0009	0.0006	0.0003	0.0005	0.0006	0.0008	0.0005	0.0005	0.0007	0.0006	0.0005	0.0011

TABLE 40 CONTINUED: Iron Ore Company of Canada (Labrador City) 2019 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	4	4	3	4	5	4	5	4	4	2	47
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	4	4	3	4	5	4	5	4	4	2	47
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0006
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	4	4	3	4	5	4	5	4	4	2	47
pH	PH UNITS	Maximum	7.84	7.8	7.88	8.03	7.78	7.73	7.89	7.92	8.13	8.03	8	7.91	8.13
pH	PH UNITS	Minimum	7.68	7.69	7.7	7.59	7.65	7.28	7.7	7.75	7.79	7.66	7.75	7.84	7.28
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	3	3	4	1	4	5	4	2	4	4	2	40
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	4	4	3	4	5	4	5	4	4	2	47
Total Suspended Solids	MG/L	Maximum	6.6	25	2.3	0.8	5.1	5.7	7.5	2.9	7	21	1.7	1.8	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	3.7	14.7	1.2	0.4	3.2	4.3	3.3	1.7	2.8	8.8	1.1	1.3	14.7
Total Zinc	MG/L	# of Samples	4	4	4	4	3	4	5	4	5	4	4	2	47
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.033	<0.0050	<0.0050	0.0071	<0.0050	<0.0050	<0.0050	0.033
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	0.0025	0.0025	0.0101	0.0025	0.0025	0.0034	0.0025	0.0025	0.0025	0.0101

TABLE 41: Iron Ore Company of Canada (Labrador City) 2019 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	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	1	1	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	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	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Copper	MG/L	Maximum	0	0	0	0	0.0007	0.0012	0.0007	0.0007	<0.00050	0.0005	0.0007	0	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	0.0007	0.0004	0.0004	0.0003	0.0004	0.0004	0	0.0007
Total Nickel	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	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	0.001	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	<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	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0	0.0003

TABLE 41 CONTINUED: Iron Ore Company of Canada (Labrador City) 2019 FDP-W3-02

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	4	5	4	5	4	3	0	26
pH	PH UNITS	Maximum	0	0	0	0	7.32	7.79	7.91	7.79	7.94	7.91	7.82	0	7.94
pH	PH UNITS	Minimum	0	0	0	0	7.32	7.37	7.71	7.67	7.65	7.66	7.68	0	7.32
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	4	5	4	2	4	3	0	23
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Suspended Solids	MG/L	Maximum	0	0	0	0	4.5	13	1.8	11	3	4.8	1.6	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	0	4.5	7.2	1.4	3.9	2.1	2.1	1.4	0	7.2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	4	5	4	5	4	3	0	26
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	0.0025

TABLE 42: Iron Ore Company of Canada (Labrador City) 2019 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	7.54	0	0	0	0	0	0	7.54
pH	PH UNITS	Minimum	0	0	0	0	0	7.54	0	0	0	0	0	0	7.54
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	3.6	0	0	0	0	0	0	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	0	0	0	0	3.6	0	0	0	0	0	0	3.6

TABLE 43 Iron Ore Company of Canada (Labrador City) 2019 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	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
Total Arsenic	MG/L	Maximum	<0.0010	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
Total Copper	MG/L	Maximum	0.0011	0	0	0.0006	0.0012	0.0013	0.0009	0.0016	0.0022	0.0009	0.0016	<0.0005	0.0022
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00075	0	0	0.0004	0.0009	0.0010	0.0005	0.0008	0.0012	0.0004	0.0008	0.0003	0.0012
Total Nickel	MG/L	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
Total Nickel	MG/L	Maximum	<0.0020	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0039	<0.0020	<0.0020	0.0039
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0017	0.0010	0.0010	0.0017

TABLE 43 CONTINUED: Iron Ore Company of Canada (Labrador City) 2019 FDP-LLN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
Total Lead	MG/L	Maximum	<0.00050	0	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	<0.0005	0.00097
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	0.00025	0	0	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0003	0.0003	0.0003	0.0005
pH	PH UNITS	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
pH	PH UNITS	Maximum	8.12	0	0	8.1	8.12	8.23	8.4	8.45	8.44	8.43	8.32	8.17	8.45
pH	PH UNITS	Minimum	7.92	0	0	8.02	8.05	7.79	8.2	8.34	8.31	8.25	8.19	8.17	7.79
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	3	0	0	3	2	0	5	4	2	4	4	1	28
Radium-226	BQ/L	Maximum	<0.010	0	0	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0.005	0.005	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	3	0	0	3	4	2	5	4	5	4	4	1	35
Total Suspended Solids	MG/L	Maximum	28	0	0	8.2	23	17	6.8	4.6	4.9	12	6.2	3.5	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	16.07	0	0	5.2	18.5	11.2	3.4	3.1	3.9	6.9	4.1	3.5	18.5
Total Zinc	MG/L	# of Samples	3	0	0	3	3	2	5	4	5	4	4	1	34
Total Zinc	MG/L	Maximum	0.016	0	0	0.031	<0.0050	<0.0050	<0.0050	0.0063	0.013	0.016	0.013	0.012	0.031
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	0.007	0	0	0.0120	0.0025	0.0025	0.0025	0.0035	0.0051	0.0059	0.0051	0.0120	0.0120

TABLE 44 Iron Ore Company of Canada (Labrador City) 2019 FDP-W3-06

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	1	0	0	0	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	0	0	0	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	0	0	0	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	0	0	0	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
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	2	3	0	0	0	0	0	0	5
Total Copper	MG/L	Maximum	0	0	0	0	0.0011	0.0012	0	0	0	0	0	0	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	0.0010	0.0010	0	0	0	0	0	0	0.0010
Total Nickel	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
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	2	3	0	0	0	0	0	0	5
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	<0.0005	0	0	0	0	0	0	<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	0.0003	0.0003	0	0	0	0	0	0	0.0003
pH	PH UNITS	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
pH	PH UNITS	Maximum	0	0	0	0	7.30	7.65	0	0	0	0	0	0	7.65
pH	PH UNITS	Minimum	0	0	0	0	7.00	7.31	0	0	0	0	0	0	7.00
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 44 CONTINUED: Iron Ore Company of Canada (Labrador City) 2019 FDP-W3-06

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	0	0	1	3	0	0	0	0	0	0	4
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	2	3	0	0	0	0	0	0	5
Total Suspended Solids	MG/L	Maximum	0	0	0	0	6.7	4.7	0	0	0	0	0	0	6.7
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	5.15	2.6	0	0	0	0	0	0	5.15
Total Zinc	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	0	0	0	0	0	0	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0.0025	0	0	0	0	0	0	0.0025

TABLE 45: Iron Ore Company of Canada (Labrador City) 2019 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	7.71	7.75	7.55	7.82	0	0	0	7.82
pH	PH UNITS	Minimum	0	0	0	0	0	7.71	7.75	7.55	7.82	0	0	0	7.55
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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	1.1	<0.50	<0.50	<0.50	0	0	0	1.1
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	0	0	0	0	0	1.1	0.25	0.25	0.25	0	0	0	1.1

TABLE 46: Iron Ore Company of Canada (Labrador City) 2019 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	8.13	8.07	7.81	8.03	0	0	0	8.13
pH	PH UNITS	Minimum	0	0	0	0	0	8.13	8.07	7.81	8.03	0	0	0	7.81
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	11	1.3	1.5	6.4	0	0	0	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	0	0	11	1.3	1.5	6.4	0	0	0	11

TABLE 47: Iron Ore Company of Canada (Labrador City) 2019 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	8.03	8.12	7.86	8.11	0	0	0	8.12
pH	PH UNITS	Minimum	0	0	0	0	0	8.03	8.12	7.86	8.11	0	0	0	7.86
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
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	4.1	<0.50	<0.50	0.6	0	0	0	4.1
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	0	0	0	0	0	4.1	0.25	0.25	0.6	0	0	0	4.1

TABLE 48: Labatt Breweries Newfoundland (St. John's) 2019 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	3	4	5	4	2	3	4	2	4	5	43
Biochemical Oxygen Demand	MG/L	Maximum	930	860	1100	870	1100	1700	1300	1500	1500	1500	1500	1100	1700
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	3	3	3	4	5	4	2	3	4	1	3	3	38
Biochemical Oxygen Demand	MG/L	Monthly Average	6767	550	843	688	744	1435	1250	1333	1135	845	753	618	1435
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	0.14	0	0	0.19	0	0	0.2	0	0	0.12	0.2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.14	0	0	0.19	0	0	0.2	0	0	0.12	0.2
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	17	0	0	9.8	0	0	<1.0	0	0	18	18
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	17	0	0	9.8	0	0	0.5	0	0	18	18
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	100	0	0	400	0	0	61	0	0	75	400
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Monthly Average	0	0	100	0	0	400	0	0	61	0	0	75	400
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	1200	0	0	870	0	0	840	0	0	1200	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	1200	0	0	870	0	0	840	0	0	1200	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	0.088	0	0	0.037	0	0	0.047	0	0	0.045	0.088
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	0.088	0	0	0.037	0	0	0.047	0	0	0.045	0.088
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	7.9	0	0	10	0	0	<2.0	0	0	7.9	10
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	7.9	0	0	10	0	0	1	0	0	7.9	10
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.91	0	0	8.8	0	0	5.9	0	0	1.6	8.8
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	1	0	0	1	0	0	0	2
Orthophosphate	MG/L	Monthly Average	0	0	0.91	0	0	8.8	0	0	5.9	0	0	1.6	8.8
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	10	0	0	7.6	0	0	7.9	0	0	7.5	10
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	10	0	0	7.6	0	0	7.9	0	0	7.5	10
pH	PH UNITS	# of Samples	3	4	4	4	5	5	2	3	5	2	4	6	47
pH	PH UNITS	Maximum	6.93	7.78	6.09	6.52	8.49	6.33	11.1	10.6	7.28	10.1	7.24	6.83	11.1
pH	PH UNITS	Minimum	6.2	5.9	5.04	5.13	6.21	5.77	6.48	6.58	5.34	7.2	6.35	5.96	5.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	2	1	0	0	1	1	2	1	0	0	8
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.0059	0	0	0.012	0	0	0.0082	0	0	0.0041	0.012
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	0.0059	0	0	0.012	0	0	0.0082	0	0	0.0041	0.012

TABLE 48 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2019 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	4	4	5	5	2	3	5	2	4	6	47
Total Suspended Solids	MG/L	Maximum	670	170	570	550	1200	1200	790	730	930	210	1700	790	1700
Total Suspended Solids	MG/L	Exceedance(>350)	1	0	3	2	5	5	1	2	2	0	1	3	25
Total Suspended Solids	MG/L	Monthly Average	245.00	77.50	427.50	314.75	924.00	864.00	423.00	486.67	390.00	117.00	522.50	350.00	924.00
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	290	0	0	480	0	0	260	0	0	250	480
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	290	0	0	480	0	0	260	0	0	250	480

TABLE 49: Molson Coors Canada (St. John's) 2019 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	1	0	0	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	<50	0	<50	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	25	0	25	0	0	0	25	0	25	0	25
BOD	MG/L	# of Samples	5	4	4	4	5	4	4	5	4	5	3	3	50
BOD	MG/L	Maximum	2100	1700	2700	2100	4000	2000	2100	2000	3100	1900	1500	1200	4000
BOD	MG/L	Exceedance(>300)	5	4	4	4	5	4	4	4	4	5	3	3	49
BOD	MG/L	Monthly Average	1462.0	1370.0	2225.0	1405.0	1728.0	1725.0	1725.0	1190.0	1727.5	1520.0	1333.3	980.0	2225.0
Total Cadmium	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0.041	0	0.051	0	0	0	0.059	0	0.029	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	0	0.041	0	0.051	0	0	0	0.059	0	0.029	0	0.059
Total Chromium	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	7.6	0	7.9	0	0	0	7.8	0	5.4	0	7.9
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	7.6	0	7.9	0	0	0	7.8	0	5.4	0	7.9
Total Copper	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	41	0	31	0	0	0	36	0	62	0	62
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	41	0	31	0	0	0	36	0	62	0	62
Total Iron	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Iron	UG/L	Maximum	0	0	430	0	530	0	0	0	940	0	660	0	940
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	430	0	530	0	0	0	940	0	660	0	940
Total Mercury	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	<0.013	0	<0.013	0	0	0	0.017	0	<0.013	0	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0.0065	0	0	0	0.017	0	0.0065	0	0.017
Total Nickel	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	3.5	0	2.1	0	0	0	3.1	0	2.8	0	3.5
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	3.5	0	2.1	0	0	0	3.1	0	2.8	0	3.5
Orthophosphate	MG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	9.2	0	6	0	0	0	3.2	0	3.7	0	9.2
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	1	0	1	0	0	0	0	0	0	0	2
Orthophosphate	MG/L	Monthly Average	0	0	9.2	0	6	0	0	0	3.2	0	3.7	0	9.2
Total Lead	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	6.3	0	5.1	0	0	0	6.6	0	8.4	0	8.4
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	6.3	0	5.1	0	0	0	6.6	0	8.4	0	8.4
pH	PH UNITS	# of Samples	5	4	4	4	5	4	4	5	4	5	3	3	50
pH	PH UNITS	Maximum	10.5	11.4	6.73	11.2	8.86	11	8.83	10	9.33	11	7.07	9.92	11.4
pH	PH UNITS	Minimum	6.34	6.21	6	5.8	5.14	5.67	5.76	6.64	4.31	5.93	6.06	6.54	4.31
pH	PH UNITS	Exceedance(<5.5,>9.0)	2	3	0	3	2	1	0	3	2	2	0	1	19
Phenolics	MG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0.0051	0	0.0063	0	0	0	0.034	0	0.0063	0	0.034
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	0.0051	0	0.0063	0	0	0	0.034	0	0.0063	0	0.034

TABLE 49 CONTINUED: Molson Coors Canada (St. John's) 2019 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0.0051	0	0.0063	0	0	0	0.034	0	0.0063	0	0.034
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	0.0051	0	0.0063	0	0	0	0.034	0	0.0063	0	0.034
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	5	4	4	5	4	5	3	3	50
Total Suspended Solids	MG/L	Maximum	270	140	290	170	110	210	260	98	120	120	130	300	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	95.6	95.5	185.0	121.5	78.0	133.3	141.5	67.6	99.5	81.6	104.7	134.7	185.0
Total Zinc	UG/L	# of Samples	0	0	1	0	1	0	0	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	150	0	250	0	0	0	210	0	63	0	250
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	150	0	250	0	0	0	210	0	63	0	250

TABLE 50: Newfoundland Transshipment Limited 2019 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	0	0	1	0	0	0	1	3
pH	PH UNITS	Maximum	0	0	6.4	0	0	0	0	6.7	0	0	0	6.9	6.9
pH	PH UNITS	Minimum	0	0	6.4	0	0	0	0	6.7	0	0	0	6.9	6.4
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	0	0	1	0	0	0	1	3
Calculated TDS	MG/L	Maximum	0	0	646	0	0	0	0	562	0	0	0	280	646
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	646	0	0	0	0	562	0	0	0	280	646
Total Oil and Grease	MG/L	# of Samples	0	0	1	0	0	0	0	1	0	0	0	1	3
Total Oil and Grease	MG/L	Maximum	0	0	4.8	0	0	0	0	3.6	0	0	0	4.1	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	0	0	4.8	0	0	0	0	3.6	0	0	0	4.1	4.8
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	0	0	1	0	0	0	1	3
Total Suspended Solids	MG/L	Maximum	0	0	<1.6	0	0	0	0	<1.6	0	0	0	<1.6	<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	0	0.8	0	0	0	0.8	0.8

TABLE 51: Newfoundland Transshipment Limited 2019 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	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.5	0	0	0	0	6.6	0	0	6.6
pH	PH UNITS	Minimum	0	0	0	0	6.5	0	0	0	0	6.6	0	0	6.5
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	1	0	0	2
Total Oil and Grease	MG/L	Maximum	0	0	0	0	1.9	0	0	0	0	5.1	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	0	0	0	0	1.9	0	0	0	0	5.1	0	0	5.1
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	<1.6	0	0	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	0	0	0	0.8	0	0	0	0	0.8	0	0	0.8

TABLE 52: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	0	7.9	0	7.8	0	0	7.2	0	0	8
pH	PH UNITS	Minimum	8	0	0	0	7.9	0	7.8	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	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5.7	0	0	0	2.5	0	2.1	0	0	5.3	0	0	5.7
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	5.7	0	0	0	2.5	0	2.1	0	0	5.3	0	0	5.7
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	3.5	0	0	0	<1.6	0	<1.6	0	0	<1.6	0	0	3.5
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	3.5	0	0	0	0.8	0	0.8	0	0	0.8	0	0	3.5

TABLE 53: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	0	7.9	0	7.9	0	0	7.8	0	0	8
pH	PH UNITS	Minimum	8	0	0	0	7.9	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	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5.1	0	0	0	3.6	0	1.7	0	0	5.8	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	5.1	0	0	0	3.6	0	1.7	0	0	5.8	0	0	5.8
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	3.9	0	0	0	<1.6	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	0.8	0	0.8	0	0	0.8	0	0	3.9

TABLE 54: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.9	0	0	0	8.1	0	8.2	0	0	8	0	0	8.2
pH	PH UNITS	Minimum	7.9	0	0	0	8.1	0	8.2	0	0	8	0	0	7.9
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	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5.1	0	0	0	1.7	0	2.5	0	0	4.9	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	5.1	0	0	0	1.7	0	2.5	0	0	4.9	0	0	5.1
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	1.9	0	0	0	<1.6	0	<1.6	0	0	<1.6	0	0	1.9
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	1.9	0	0	0	0.8	0	0.8	0	0	0.8	0	0	1.9

TABLE 55: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.8	0	0	0	7.2	0	7.6	0	0	7.7	0	0	7.8
pH	PH UNITS	Minimum	7.8	0	0	0	7.2	0	7.6	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	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3	0	0	0	2.4	0	1	0	0	5.6	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	3	0	0	0	2.4	0	1	0	0	5.6	0	0	5.6
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	5	0	0	0	<1.6	0	<1.6	0	0	<1.6	0	0	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	0	0	0	0.8	0	0.8	0	0	0.8	0	0	5

TABLE 56: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.6	0	0	0	7.4	0	7.5	0	0	7.6	0	0	7.6
pH	PH UNITS	Minimum	7.6	0	0	0	7.4	0	7.5	0	0	7.6	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 Oil and Grease	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	1.9	0	0	0	1.8	0	1.2	0	0	4.3	0	0	4.3
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	1.9	0	0	0	1.8	0	1.2	0	0	4.3	0	0	4.3
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	0	<1.6	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	0.8	0	0.8	0	0	0.8	0	0	0.8

TABLE 57: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.5	0	0	0	7.4	0	7.3	0	0	7.6	0	0	7.6
pH	PH UNITS	Minimum	7.5	0	0	0	7.4	0	7.3	0	0	7.6	0	0	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	1.2	0	0	0	1.3	0	1.2	0	0	4.1	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	1.2	0	0	0	1.3	0	1.2	0	0	4.1	0	0	4.1
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	2.8	0	0	0	<1.6	0	<1.6	0	0	<1.6	0	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	2.8	0	0	0	0.8	0	0.8	0	0	0.8	0	0	2.8

TABLE 58: Newfoundland Transshipment Limited 2019 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	0	1	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	0	7.8	0	8	0	0	7.7	0	0	8
pH	PH UNITS	Minimum	8	0	0	0	7.8	0	8	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	0	1	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3.1	0	0	0	1.9	0	2.4	0	0	4.7	0	0	4.7
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	3.1	0	0	0	1.9	0	2.4	0	0	4.7	0	0	4.7
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	0	<1.6	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	0.8	0	0.8	0	0	0.8	0	0	0.8

TABLE 59: Newfoundland and Labrador Hydro (Holyrood) 2019 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Silver	UG/L	Maximum	0	<0.1	<0.1	<0.1	0	<0.1	<0.1	<0.1	<0.1	<0.1	0	<0.1	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0.05	0.05	0.05	0	0.05	0.05	0.05	0.05	0.05	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Arsenic	UG/L	Maximum	0	3	<2	<2	0	<2	<2	<2	16	<2	0	<2	16
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	3	1	1	0	1	1	1	16	1	0	1	16
Total Barium	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Barium	UG/L	Maximum	0	49	29	25	0	9	47	16	53	6	0	46	53
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	49	29	25	0	9	47	16	53	6	0	46	53
Total Boron	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Boron	UG/L	Maximum	0	42	8	10	0	9	15	14	18	<5	0	11	42
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	42	8	10	0	9	15	14	18	2.5	0	11	42
BOD	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	3	47
BOD	MG/L	Maximum	5	<2	3	<2	2	<2	65	3	4	2	<2	<2	65
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	1	0	0	0	0	0	1
BOD	MG/L	Monthly Average	1.8	1	1.67	1	1.25	1	13.8	1.67	2.67	1.2	1	1	13.8
Total Cadmium	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Cadmium	UG/L	Maximum	0	<0.09	<0.09	<0.09	0	0.12	<0.017	0.024	0.02	<0.017	0	<0.017	0.12
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	0.045	0.045	0.045	0	0.12	0.0085	0.024	0.02	0.0085	0	0.0085	0.12
Total Chromium	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Chromium	UG/L	Maximum	0	2	2	1	0	<1	<1	<1	2	1	0	<1	2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	2	2	1	0	0.5	0.5	0.5	2	1	0	0.5	2
Total Copper	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Copper	UG/L	Maximum	0	2	3	3	0	1	1	2	6	<1	0	1	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	2	3	3	0	1	1	2	6	0.5	0	1	6
Total Iron	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Iron	UG/L	Maximum	0	303	445	567	0	191	172	159	702	462	0	92	702
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	303	445	567	0	191	172	159	702	462	0	92	702
Total Mercury	UG/L	# of Samples	0	1	1	1	0	2	1	1	1	1	0	1	10
Total Mercury	UG/L	Maximum	0	<0.026	<0.026	<0.026	0	<0.026	<0.026	<0.026	<0.026	<0.026	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0.013	0.013	0.013	0	0.013	0.013	0.013	0.013	0.013	0	0.013	0.013
Total Nickel	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Nickel	UG/L	Maximum	0	3	3	<2	0	37	<2	<2	3	<2	0	<2	37
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	3	3	1	0	37	1	1	3	1	0	1	37
Ammonium+Ammonia, Total	MG/L	# of Samples	0	1	1	1	0	2	1	1	1	1	0	1	10
Ammonium+Ammonia, Total	MG/L	Maximum	0	0.04	<0.03	0.04	0	0.32	0.13	0.29	0.08	0.11	0	0.34	0.34
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	0.015	0.04	0	0.2	0.13	0.29	0.08	0.11	0	0.34	0.34

TABLE 59 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2019 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	1	1	1	0	2	1	1	1	1	0	1	10
Total Nitrate	MG/L	Maximum	0	0.47	0.22	0.17	0	0.55	0.5	0.08	0.32	0.07	0	0.5	0.55
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	0.47	0.22	0.17	0.00	0.29	0.50	0.08	0.32	0.07	0	0.50	0.50
Orthophosphate	MG/L	# of Samples	0	1	1	1	0	2	1	1	1	1	0	1	10
Orthophosphate	MG/L	Maximum	0	0.01	0.06	<0.01	0	<0.01	<0.01	<0.01	0.01	<0.01	0	<0.01	0.06
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	0.01	0.06	0.005	0	0.005	0.005	0.005	0.01	0.005	0	0.005	0.06
Total Lead	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Lead	UG/L	Maximum	0	0.7	2.5	0.9	0	<0.5	<0.5	<0.5	1.5	0.9	0	<0.5	2.5
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	0.7	2.5	0.9	0	0.25	0.25	0.25	1.5	0.9	0	0.25	2.5
pH	PH UNITS	# of Samples	5	5	5	5	5	6	6	5	5	6	5	5	63
pH	PH UNITS	Maximum	7	7.47	7.36	7.26	6.89	7.18	7.18	7.94	7.67	7.5	7.7	7.48	7.94
pH	PH UNITS	Minimum	6.61	6.5	6.75	6.51	6.53	6.34	6.5	6.31	6.51	6.8	6.8	6.56	6.31
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	0	1	1	1	0	2	1	1	1	1	0	1	10
Phenolics	MG/L	Maximum	0	<0.001	<0.004	0.002	0	<0.001	<0.001	<0.001	0.003	<0.001	0	<0.004	0.003
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0.0005	0.002	0.002	0	0.0005	0.0005	0.0005	0.003	0.0005	0	0.002	0.003
Total Selenium	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Selenium	UG/L	Maximum	0	<1	<1	<1	0	<1	<1	<1	8	<1	0	<1	8
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	0.5	0.5	0.5	0	0.5	0.5	0.5	8	0.5	0	0.5	8
Sulphide	MG/L	# of Samples	0	1	1	1	0	2	1	1	1	1	0	1	10
Sulphide	MG/L	Maximum	0	<0.05	<0.05	<0.05	0	<0.05	<0.25	<0.05	<0.02	<0.05	0	<0.05	<0.25
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	0.025	0.025	0.025	0	0.025	0.125	0.025	0.01	0.025	0	0.025	0.125
Total Dissolved Solids	MG/L	# of Samples	4	5	4	5	4	6	6	4	4	6	4	5	57
Total Dissolved Solids	MG/L	Maximum	4400	335	80	160	140	100	126	220	160	100	140	140	4400
Total Dissolved Solids	MG/L	Exceedance(>1000)	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Dissolved Solids	MG/L	Monthly Average	1188.3	191.8	56.5	106.4	115	80.7	102.7	127.8	123.3	60	100	115.8	1188.3
Total Oil and Grease	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	4	48
Total Oil and Grease	MG/L	Maximum	0.8	1	0.5	1.6	<1.0	<1.0	<1.0	1.5	1.12	<1.0	1.4	1.4	1.6
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	0.41	0.55	0.33	0.65	0.5	0.5	0.5	1.03	0.71	0.5	0.875	0.725	1.03
Total Suspended Solids	MG/L	# of Samples	6	4	4	4	5	4	5	4	4	5	4	4	53
Total Suspended Solids	MG/L	Maximum	9	3.75	5.3	2.6	2.88	4.8	2.5	11	4	10.6	14.25	8.8	14.25
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	3.68	1.99	2.64	1.31	1.13	2.04	1.30	5.22	1.31	5.33	9.11	3.08	9.11
Total Zinc	UG/L	# of Samples	0	1	1	1	0	1	1	1	1	1	0	1	9
Total Zinc	UG/L	Maximum	0	15	77	48	0	57	17	11	8	15	0	<5	77
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	15	77	48	0	57	17	11	8	15	0	2.5	77

TABLE 60: Newfoundland and Labrador Hydro (Holyrood) 2019 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	1	0	0	0	0	0	0	1	0	0	1	3
Total Silver	UG/L	Maximum	0	<0.1	0	0	0	0	0	0	<0.1	0	0	<0.1	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Arsenic	UG/L	Maximum	0	<2	0	0	0	0	0	0	<2	0	0	<2	<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	1	0	0	0	0	0	0	1	0	0	1	1
Total Barium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Barium	UG/L	Maximum	0	9	0	0	0	0	0	0	8	0	0	6	9
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	9	0	0	0	0	0	0	8	0	0	6	9
Total Boron	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Boron	UG/L	Maximum	0	<5	0	0	0	0	0	0	14	0	0	6	14
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	2.5	0	0	0	0	0	0	14	0	0	6	14
Total Cadmium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Cadmium	UG/L	Maximum	0	<0.09	0	0	0	0	0	0	0.138	0	0	<0.017	0.138
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0.138	0	0	0.009	0.138
Total Chromium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Chromium	UG/L	Maximum	0	<1	0	0	0	0	0	0	<1	0	0	<1	<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	0.5	0	0	0	0	0	0	0.5	0	0	0.5	0.5
Total Copper	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Copper	UG/L	Maximum	0	6	0	0	0	0	0	0	5	0	0	<1	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	6	0	0	0	0	0	0	5	0	0	0.5	6
Total Iron	MG/L	# of Samples	5	5	3	4	4	4	1	0	4	5	4	5	44
Total Iron	MG/L	Maximum	0.15	0.49	0.85	0.2	0.21	0.38	0.07	0	0.22	0.44	0.33	0.3	0.85
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	0.09	0.24	0.49	0.1	0.17	0.22	0.07	0	0.14	0.18	0.21	0.19	0.49
Total Mercury	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	<0.026	0	0	0	0	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	0.013	0	0	0	0	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	5	5	3	4	4	4	1	0	4	5	4	5	44
Total Nickel	MG/L	Maximum	0.014	0.005	0.013	0.004	0.007	0.017	0.009	0	0.030	0.004	0.018	0.003	0.030
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	0.006	0.004	0.0097	0.0035	0.005	0.0153	0.009	0	0.022	0.0038	0.00675	0.0014	0.022
Ammonium+Ammonia, Total	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Ammonium+Ammonia, Total	MG/L	Maximum	0	0.12	0	0	0	0	0	0	0.56	0	0	0.09	0.56
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	0.12	0	0	0	0	0	0	0.56	0	0	0.09	0.56
Total Nitrate	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Nitrate	MG/L	Maximum	0	0.07	0	0	0	0	0	0	<0.05	0	0	<0.05	0.07
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	0.07	0	0	0	0	0	0	0.025	0	0	0.025	0.07

TABLE 60 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2019 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	<0.01	0	0	0	0	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	0.005	0	0	0	0	0	0	0.005	0	0	0.005	0.005
Total Lead	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Lead	UG/L	Maximum	0	<0.5	0	0	0	0	0	0	<0.5	0	0	<0.5	<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	0.25	0	0	0	0	0	0	0.25	0	0	0.25	0.25
pH	PH UNITS	# of Samples	5	5	4	4	5	4	1	0	4	5	4	5	46
pH	PH UNITS	Maximum	8.30	7.77	6.48	6.92	6.69	6.63	6.98	0	6.32	6.8	6.57	6.64	8.30
pH	PH UNITS	Minimum	6.20	5.58	5.50	6.15	6.10	5.80	6.98	0	5.90	6.34	5.60	6.12	5.50
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Phenolics	MG/L	Maximum	0	<0.001	0	0	0	0	0	0	<0.001	0	0	<0.004	<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	0.0005	0	0	0	0	0	0	0.0005	0	0	0.002	0.002
Total Selenium	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Selenium	UG/L	Maximum	0	<1	0	0	0	0	0	0	<1	0	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	0.5	0	0	0	0	0	0	0.5	0	0	0.5	0.5
Sulphide	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Sulphide	MG/L	Maximum	0	<0.05	0	0	0	0	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	0.025	0	0	0	0	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Calculated TDS	MG/L	Maximum	0	41	0	0	0	0	0	0	82	0	0	51	82
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	41	0	0	0	0	0	0	82	0	0	51	82
Total Oil and Grease	MG/L	# of Samples	5	4	3	4	4	4	1	0	3	5	4	4	41
Total Oil and Grease	MG/L	Maximum	0.63	1.8	<0.5	2	<1.0	<1.0	<1.0	0	<1.0	<1.0	1.5	1.6	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	0.3	0.7	0.3	0.8	0.5	0.5	0.5	0	0.5	0.5	0.8	0.8	0.8
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	5	4	1	0	3	5	4	4	43
Total Suspended Solids	MG/L	Maximum	10	3.5	2.5	0.5	1.25	2.5	3.75	0	2.25	3	4.5	4	10
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	3.684	1.905	1.425	0.3625	0.55	1.3	3.75	0	0.75	1.44	3.0125	3.3	3.75
Total Zinc	UG/L	# of Samples	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Zinc	UG/L	Maximum	0	19	0	0	0	0	0	0	78	0	0	<5	78
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	19	0	0	0	0	0	0	78	0	0	2.5	78

TABLE 61: Newfoundland and Labrador Hydro (Holyrood) 2019 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	4	48
Total Iron	MG/L	Maximum	0.52	0.23	1.37	0.38	4.8	1.91	0.85	0.32	0.58	0.54	1.14	2.36	4.80
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	0.207	0.162	0.647	0.238	1.400	0.773	0.640	0.304	0.457	0.410	0.565	1.093	1.400

TABLE 61 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2019 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	4	48
Total Nickel	MG/L	Maximum	0.018	0.025	0.013	<0.002	0.007	0.007	0.02	0.011	0.007	0.014	0.043	0.021	0.043
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0058	0.0098	0.0073	0.0010	0.0028	0.0035	0.0104	0.0043	0.0030	0.0048	0.0275	0.0090	0.0104
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
pH	PH UNITS	Maximum	7	6.8	6.9	6.95	6.96	6.92	7.8	6.99	7.11	7.84	6.9	7	7.84
pH	PH UNITS	Minimum	6.5	6.5	6.49	6.33	6.4	6.5	6.6	6.61	6.25	6.2	6.44	6.05	6.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	4	48
Total Oil and Grease	MG/L	Maximum	0.8	7.6	<0.5	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	1.2	1.4	7.6
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	0.45	2.71	0.25	0.55	0.50	0.50	0.50	0.50	0.50	0.76	0.68	0.73	2.71
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
Total Suspended Solids	MG/L	Maximum	3.5	3.5	3.5	1	2.4	3.2	7.5	9.5	6.88	6	3.37	5.25	9.5
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	2.16	1.64	1.06	0.50	1.10	1.18	2.23	4.56	2.53	1.91	1.81	1.91	4.56

TABLE 62: Newfoundland and Labrador Hydro (Holyrood) 2019 OS2

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	<0.1	0	0	0	0	0	0	0	0	0	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	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	4	0	0	0	0	0	0	0	0	0	4
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	4	0	0	0	0	0	0	0	0	0	4
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	19	0	0	0	0	0	0	0	0	0	19
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	19	0	0	0	0	0	0	0	0	0	19
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	69	0	0	0	0	0	0	0	0	0	69
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	69	0	0	0	0	0	0	0	0	0	69
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Biochemical Oxygen Demand	MG/L	Maximum	0	0	3	0	0	0	0	0	0	0	0	0	3
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	0	3	0	0	0	0	0	0	0	0	0	3
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	<0.09	0	0	0	0	0	0	0	0	0	<0.09
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.05	0	0	0	0	0	0	0	0	0	0.05
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	2	0	0	0	0	0	0	0	0	0	2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	2	0	0	0	0	0	0	0	0	0	2

TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2019 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	5	0	0	0	0	0	0	0	0	0	5
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	5	0	0	0	0	0	0	0	0	0	5
Total Iron	MG/L	# of Samples	5	4	4	4	4	4	5	3	3	5	4	4	49
Total Iron	MG/L	Maximum	1.77	1.65	1.81	1.65	0.41	0.42	0.66	1.73	0.73	0.83	0.47	0.31	1.81
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	1.50	1.31	1.21	1.05	0.29	0.30	0.30	0.86	0.43	0.48	0.33	0.24	1.50
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	<0.026	0	0	0	0	0	0	0	0	0	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.013	0	0	0	0	0	0	0	0	0	0.013
Total Nickel	MG/L	# of Samples	5	4	4	4	4	4	5	3	3	5	4	4	49
Total Nickel	MG/L	Maximum	0.009	0.0070	0.0060	0.016	0.012	0.011	0.005	0.0140	0.0390	0.039	0.071	0.027	0.0710
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	0.0062	0.0058	0.0038	0.008	0.00925	0.007	0.0038	0.0080	0.0213	0.0226	0.0215	0.01	0.0226
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	<0.5	0	0	0	0	0	0	0	0	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	0	0.25
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
pH	PH UNITS	Maximum	6.30	6.86	6.90	7.90	7.17	6.80	7.70	6.89	6.25	7.70	6.90	6.41	7.90
pH	PH UNITS	Minimum	6.06	6.00	6.30	6.14	5.60	6.48	6.90	6.40	5.55	5.60	5.74	5.83	5.55
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	1	0	0	0	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	<0.001	0	0	0	0	0	0	0	0	0	<0.001
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0005	0	0	0	0	0	0	0	0	0	0.0005
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	1	0	0	0	0	0	0	0	0	0	1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	1	0	0	0	0	0	0	0	0	0	1
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	<0.05	0	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	0.03	0	0	0	0	0	0	0	0	0	0.03
TDS Measured	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
TDS Measured	MG/L	Maximum	0	0	480	0	0	0	0	0	0	0	0	0	480
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	480	0	0	0	0	0	0	0	0	0	480
Total Oil and Grease	MG/L	# of Samples	5	4	3	4	4	4	5	3	3	5	4	4	48
Total Oil and Grease	MG/L	Maximum	1.3	57	<0.5	0.5	1	1.2	<1.0	1	1	1	1.8	1.6	57
Total Oil and Grease	MG/L	Exceedance(>15)	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Oil and Grease	MG/L	Monthly Average	0.8	15.1	0.3	0.4	0.6	0.8	0.5	0.7	0.7	0.6	0.8	0.8	15.1
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
Total Suspended Solids	MG/L	Maximum	3.5	20	4	6.25	1.5	1.6	1.13	22.3	1.75	5.8	3.5	2.25	22.3
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	2.1	6.8	2.2	2.9	1.2	1.4	0.8	8.4	0.7	2.9	1.3	1.4	8.4

TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2019 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	42	0	0	0	0	0	0	0	0	0	42
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	42	0	0	0	0	0	0	0	0	0	42

TABLE 63: Newfoundland and Labrador Hydro (Holyrood) 2019 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	5	3	6	6	3	3	1	4	8	3	4	4	50
Total Iron	MG/L	Maximum	0.45	0.74	0.74	0.87	0.45	0.48	0.78	0.701	0.319	1.63	0.72	1.62	1.63
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	0.25	0.43	0.38	0.48	0.38	0.32	0.78	0.35	0.17	0.74	0.47	0.59	0.78
Total Nickel	MG/L	# of Samples	5	3	6	6	3	3	1	4	8	3	4	4	50
Total Nickel	MG/L	Maximum	0.093	0.096	0.073	0.082	0.06	0.098	0.122	0.113	0.156	0.259	0.087	0.205	0.259
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	0.071	0.069	0.049	0.059	0.050	0.081	0.122	0.085	0.123	0.161	0.074	0.084	0.161
pH	PH UNITS	# of Samples	5	3	6	6	4	3	2	4	8	3	5	5	54
pH	PH UNITS	Maximum	8.90	8.80	8.40	8.36	8.20	7.95	7.41	7.70	7.37	8.30	8.74	9.00	9.00
pH	PH UNITS	Minimum	6.73	7.97	7.06	7.43	7.88	7.30	7.34	6.97	6.47	7.05	7.99	8.57	6.47
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	5	3	6	6	4	3	2	4	8	3	5	5	54
Total Suspended Solids	MG/L	Maximum	10.9	17.5	7	15	3.3	13.8	3	14.5	14.3	2.8	8.8	8.6	17.5
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	5.8	8.5	3.7	6.2	2.2	5.9	2.5	9.2	8.3	1.3	4.1	3.6	9.2

TABLE 64: North Atlantic Refinery Limited 2019 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	14	12	13	12	13	12	13	13	11	14	12	14	153
Ammonium+Ammonia, Total	LBS/DAY	Maximum	52.5	61	61.5	127.1	54.9	50.4	82.5	50	64	416.8	292	352.5	416.8
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	24.0	25.5	30.3	71.2	28.8	21.0	19.8	29.1	32.4	85.7	156.4	114.6	156.4
pH	PH UNITS	# of Samples	31	29	31	30	32	30	31	31	30	31	31	31	368
pH	PH UNITS	Maximum	8.4	8.4	8.1	8.1	8.4	8.8	8.4	8.5	8.1	8.2	8.1	8.1	8.8
pH	PH UNITS	Minimum	7.2	6.5	7.3	7.5	7.3	7.2	7.1	6.9	7.6	7.4	7.7	7.5	6.5
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	14	12	13	11	13	12	13	12	11	12	12	14	149
Phenolics	LBS/DAY	Maximum	0.67	0.28	0.34	0.55	1	0.58	0.43	0.57	1.13	0.75	0.39	0.49	1.13
Phenolics	LBS/DAY	Exceedance(>77)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	Monthly Average	0.22	0.15	0.20	0.29	0.33	0.26	0.19	0.26	0.28	0.27	0.24	0.33	0.33
Sulphide	LBS/DAY	# of Samples	14	12	13	11	13	12	13	12	11	12	12	14	149
Sulphide	LBS/DAY	Maximum	8	0.28	0.34	2.95	0.25	7.2	0.42	8	4.37	8.2	1.55	0.49	8.2
Sulphide	LBS/DAY	Exceedance(>42)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	LBS/DAY	Monthly Average	0.94	0.15	0.18	0.57	0.17	0.84	0.15	0.88	0.83	1.60	0.37	0.23	1.60
Total Oil and Grease	LBS/DAY	# of Samples	14	12	13	12	13	12	13	13	11	14	12	14	153
Total Oil and Grease	LBS/DAY	Maximum	133	55	89	308	138	165	50	99	262	141	143	353	353
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	36.6	22.8	36.0	85.5	39.9	41.4	24.6	37.0	49.2	57.4	55.1	75.1	85.5
Total Suspended Solids	LBS/DAY	# of Samples	11	11	11	10	13	11	12	13	11	14	11	12	140
Total Suspended Solids	LBS/DAY	Maximum	410	460	376	775	451	890	671	683	1048	953	963	612	1048
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	236.9	281.0	277.6	351.3	217.0	429.6	185.4	375.4	373.1	436.7	531.7	329.3	531.7

TABLE 65: Pardy's Waste Management 2019 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Silver	UG/L	Maximum	<0.1	0	<0.1	0	<0.1	0	<6	<6	0	<0.6	0	0	<6
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0.05	0	0.05	0	0.05	0	3	3	0	0.3	0	0	3
Total Arsenic	UG/L	# of Samples	1	0	1	0	1	0	0	0	0	0	0	0	3
Total Arsenic	UG/L	Maximum	7	0	6	0	5	0	0	0	0	0	0	0	7
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	7	0	6	0	5	0	0	0	0	0	0	0	7
Total Barium	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Barium	UG/L	Maximum	13	0	133	0	107	0	116.6	116.7	0	190	0	0	190
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	13	0	133	0	107	0	73.3	116.7	0	190	0	0	190
Total Boron	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Boron	UG/L	Maximum	248	0	154	0	198	0	508.7	86.6	0	110.5	0	0	508.7
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	248	0	154	0	198	0	385.4	86.6	0	110.5	0	0	385.4
Biochemical Oxygen Demand	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
Biochemical Oxygen Demand	MG/L	Maximum	17	140	5	<6	<30	<2	23	8	<6	9	0	6.9	140
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	3	0	0	2	0	2	0	0	0	0	0	7
Biochemical Oxygen Demand	MG/L	Monthly Average	17	98.33	4	3	15	1	15	4.67	3	4.5	0	4.95	98.33
Total Cadmium	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Cadmium	UG/L	Maximum	0.23	0	<0.09	0	<0.09	0	<2	<2	0	<0.2	0	0	<2
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.23	0	0.045	0	0.045	0	1	1	0	0.1	0	0	1
Total Chromium	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Chromium	UG/L	Maximum	2	0	2	0	1	0	<3	<3	0	<0.3	0	0	2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	2	0	2	0	1	0	1.5	1.5	0	0.15	0	0	2
Total Copper	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Copper	UG/L	Maximum	74	0	21	0	4	0	7.6	<5	0	7.6	0	0	74
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	21	0	4	0	5.05	2.5	0	7.6	0	0	74
Total Coliform MPN	MPN/ML	# of Samples	1	2	2	3	2	1	3	0	0	2	0	2	18
Total Coliform MPN	MPN/ML	Maximum	>24.2	0.21	0.02	0.01	<0.01	<0.01	0.79	0	0	0.068	0	460	460
Total Coliform MPN	MPN/ML	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Coliform MPN	MPN/ML	Monthly Average	>24.2	0.11	0.013	0.007	<0.01	<0.01	0.258	0	0	0.044	0	230.39	230.39
Fecal Coliform MPN	MPN/ML	# of Samples	1	3	2	3	2	1	3	0	0	2	0	2	19
Fecal Coliform MPN	MPN/ML	Maximum	1.21	0.02	<0.01	<0.01	<0.01	<0.01	0.79	0	0	0.045	0	0.79	1.21
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	1.21	0.01	0.005	0.005	0.005	0.005	0.28	0	0	0.0315	0	0.485	1.21
Total Iron	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Iron	UG/L	Maximum	375	0	295	0	132	0	<300	<300	0	90.47	0	0	375
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	375	0	295	0	132	0	150	150	0	90.47	0	0	375
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	2	1	0	1	0	0	4
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<2	<2	0	<0.2	0	0	<2
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	1	1	0	0.1	0	0	1

TABLE 65 CONTINUED: Pardy's Waste Management 2019 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Nickel	UG/L	Maximum	112	0	27	0	40	0	33.4	23.4	0	10.6	0	0	112
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	112	0	27	0	40	0	29.5	23.4	0	10.6	0	0	112
Ammonium+Ammonia, Total	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
Ammonium+Ammonia, Total	MG/L	Maximum	0.33	1.5	0.07	0.92	0.16	<0.05	0.35	0.29	0.34	0.17	0	0.25	1.5
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	0.33	1.01	0.05	0.63	0.12	0.03	0.26	0.25	0.22	0.12	0	0.17	1.01
Total Nitrate	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
Total Nitrate	MG/L	Maximum	88.2	68.7	16.7	11.6	14.1	0.98	25.036	19.732	50.12	58.146	0	9.925	88.2
Total Nitrate	MG/L	Exceedance(>10)	1	3	2	1	1	0	1	2	4	4	0	0	19
Total Nitrate	MG/L	Monthly Average	88.20	53.87	16.15	9.58	11.23	0.98	11.16	11.54	32.55	33.86	0	9.70	88.20
Total Lead	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Lead	UG/L	Maximum	3.4	0	<0.5	0	<0.5	0	<3	<3	0	<0.3	0	0	3.4
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	3.4	0	0.25	0	0.25	0	1.5	1.5	0	0.15	0	0	3.4
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	2	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<0.5	<0.5
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.25	0.25
pH	PH UNITS	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
pH	PH UNITS	Maximum	5.35	6.09	7.25	6.41	6.85	6.7	8.01	7.55	7.84	7.45	0	6.5	8.01
pH	PH UNITS	Minimum	5.35	6.09	6.53	6.2	6.72	6.7	7.18	7.51	7.41	6.85	0	6.5	5.35
pH	PH UNITS	Exceedance(<5.5,>9.0)	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Selenium	UG/L	# of Samples	1	0	1	0	1	0	0	0	0	0	0	0	3
Total Selenium	UG/L	Maximum	5	0	2	0	2	0	0	0	0	0	0	0	5
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	5	0	2	0	2	0	0	0	0	0	0	0	5
TDS Measured	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
TDS Measured	MG/L	Maximum	1680	1280	820	980	1060	1030	1831	2551	2377	1578	0	1157	2551
TDS Measured	MG/L	Exceedance(>1000)	1	3	0	0	2	1	3	3	4	4	0	1	22
TDS Measured	MG/L	Monthly Average	1680	1240	810	920	1050	1030	1675	2303	2152	1436	0	1016	2303
Total Oil and Grease	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	1	27
Total Oil and Grease	MG/L	Maximum	0.51	1	<0.5	1.5	1.6	<1.0	<2	<2	2.1	<1.3	0	<1.3	2.1
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	0.51	0.75	0.25	0.67	1.05	0.50	0.83	0.88	1.01	0.65	0	0.65	1.05
Total Suspended Solids	MG/L	# of Samples	1	3	2	3	2	1	3	3	4	4	0	2	28
Total Suspended Solids	MG/L	Maximum	37	46	13	5	8	19	42	9	15	6	0	10	46
Total Suspended Solids	MG/L	Exceedance(>30)	1	1	0	0	0	0	1	0	0	0	0	0	3
Total Suspended Solids	MG/L	Monthly Average	37	22	10	3.3	7.5	19	19	4	11.8	3.6	0	6.5	37
Total Zinc	UG/L	# of Samples	1	0	1	0	1	0	2	1	0	1	0	0	7
Total Zinc	UG/L	Maximum	387	0	20	0	18	0	<100	<100	0	22.4	0	0	387
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	387	0	20	0	18	0	50	50	0	22.4	0	0	387

TABLE 66: Rambler Metals and Mining 2019 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	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	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Arsenic	MG/L	Maximum	0.0026	0.0010	<0.0010	0.0011	<0.0050	<0.0050	<0.0050	0.0018	0.0014	0.0014	0.0018	0.0014	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	0.0014	0.0008	0.0005	0.0008	0.0025	0.0025	0.0025	0.0016	0.0014	0.0013	0.0016	0.0013	0.0025
Cyanide, SAD	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Cyanide, SAD	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	0.0510	<0.0100	0.0310	0.0130	<0.0050	0.0059	0.0310	<0.0050	0.0510
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	0.0025	0.0025	0.0025	0.0025	0.0151	0.0050	0.0195	0.0062	0.0025	0.0036	0.0096	0.0025	0.0195
Total Copper	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Copper	MG/L	Maximum	0.0915	0.0044	0.0033	0.0032	<0.0050	0.0060	0.1840	0.0034	0.0040	0.0071	0.0065	0.0102	0.1840
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	0.0333	0.0036	0.0026	0.0027	0.0025	0.0060	0.0933	0.0030	0.0040	0.0042	0.0048	0.0077	0.0933
Total Nickel	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Nickel	MG/L	Maximum	0.0099	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<0.0040	0.0007	0.0008	0.0008	0.0011	0.0011	0.0099
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	0.0040	0.0010	0.0010	0.0010	0.0020	0.0020	0.0020	0.0007	0.0008	0.0007	0.0009	0.0010	0.0040
Total Lead	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Lead	MG/L	Maximum	0.0009	0.0010	0.0011	0.0009	0.0050	0.0030	0.0050	0.0015	0.0004	<0.00003	0.0019	0.0034	0.0050
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	0.0009	0.0008	0.0008	0.0021	0.0030	0.0033	0.0011	0.0004	0.0000	0.0011	0.0020	0.0033
pH	PH UNITS	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
pH	PH UNITS	Maximum	7.42	7.35	7.17	7.31	7.21	6.39	6.8	7.57	6.27	7.48	7.21	7.96	7.96
pH	PH UNITS	Minimum	6.56	7.2	7.16	7.18	6.84	6.39	6.78	6.49	6.27	6.35	6.24	6.86	6.24
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	3	2	2	2	6	1	2	3	1	3	4	4	33
Radium-226	BQ/L	Maximum	0.0190	<0.0100	<0.0100	<0.0100	0.0100	<0.0050	0.0070	0.0100	0.0100	0.0070	0.0050	0.0070	0.0190
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	0.0097	0.0050	0.0050	0.0050	0.0048	0.0025	0.0048	0.0050	0.0100	0.0052	0.0031	0.0036	0.0100
Total Suspended Solids	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Suspended Solids	MG/L	Maximum	3.2	<1.0	1	1.4	<3	3	<3	4	<3	1	<1	2	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	1.77	0.50	0.75	0.95	1.50	3.00	1.50	3.17	1.50	0.67	0.50	0.88	3.17
Total Zinc	MG/L	# of Samples	3	2	2	2	6	1	2	3	1	3	4	4	33
Total Zinc	MG/L	Maximum	0.4870	0.0079	0.0064	0.0101	<0.1000	<0.1000	<0.1000	<0.0023	0.0041	0.0063	0.0097	0.0149	0.4870
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	0.1658	0.0079	0.0045	0.0063	0.0500	0.0500	0.0500	0.0012	0.0041	0.0052	0.0084	0.0117	0.1658

TABLE 67: Rambler Metals and Mining 2019 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	0	1	1	1	1	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	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	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Arsenic	MG/L	Maximum	0.0020	0.0031	0.0017	0.0015	<0.0050	0.0090	0.0028	0.0033	0.0035	0.0024	0.0046	0.0023	0.0090
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	0.0015	0.0027	0.0016	0.0015	0.0025	0.0041	0.0026	0.0023	0.0028	0.0022	0.0034	0.0020	0.0041
Cyanide, SAD	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Cyanide, SAD	MG/L	Maximum	<0.0050	<0.0050	0.0060	<0.0050	0.0380	0.0320	0.0390	0.0080	<0.0050	0.0095	<0.0050	<0.0050	0.0390
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	0.0025	0.0025	0.0043	0.0025	0.0172	0.0118	0.0274	0.0056	0.0025	0.0048	0.0025	0.0025	0.0274
Total Copper	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Copper	MG/L	Maximum	0.0333	0.1020	0.0645	0.0611	0.0270	0.1000	0.1200	0.1219	0.1879	0.0860	0.0263	0.0217	0.1879
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	0.0184	0.0643	0.0458	0.0586	0.0216	0.0365	0.0360	0.0623	0.1183	0.0410	0.0211	0.0130	0.1183
Total Nickel	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Nickel	MG/L	Maximum	0.0024	0.0032	0.0043	0.0072	<0.0040	<0.0040	<0.0040	0.0034	0.0020	0.0016	0.0017	0.0008	0.0072
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	0.0015	0.0029	0.0041	0.0071	0.0020	0.0020	0.0019	0.0016	0.0015	0.0011	0.0013	0.0007	0.0071
Total Lead	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Lead	MG/L	Maximum	0.0010	<0.0005	0.0012	0.0006	<0.0030	<0.0030	<0.0030	0.0009	0.0006	0.0002	0.0009	0.0013	<0.0030
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	0.0003	0.0009	0.0006	0.0015	0.0015	0.0012	0.0004	0.0003	0.0000	0.0004	0.0005	0.0015
pH	PH UNITS	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
pH	PH UNITS	Maximum	8.02	7.82	8	7.26	8.24	7.25	8.12	8.46	8.33	8.66	8.62	8.59	8.66
pH	PH UNITS	Minimum	7.03	7.37	7.37	6.94	6.81	6.43	7.13	6.12	7.53	8.13	8.17	8.37	6.12
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	3	3	2	2	6	3	5	4	4	5	4	4	45
Radium-226	BQ/L	Maximum	<0.010	0.012	0.019	0.016	0.020	0.020	0.020	0.020	0.040	0.040	0.030	0.010	0.040
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	0.007	0.012	0.011	0.012	0.015	0.017	0.015	0.028	0.020	0.019	0.009	0.028
Total Suspended Solids	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Suspended Solids	MG/L	Maximum	<2.0	16	2	2.4	<3	<3	14	7	11	3	1	<1	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	0.8	6.7	2.0	2.4	1.5	1.5	5.6	5.0	6.9	1.3	0.6	0.5	6.9
Total Zinc	MG/L	# of Samples	3	3	2	2	6	4	5	4	4	5	4	4	46
Total Zinc	MG/L	Maximum	0.0953	0.2110	0.1570	0.2630	0.1030	0.1000	0.1500	0.2143	0.2214	0.1170	0.0918	0.0884	0.2630
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	0.0498	0.1563	0.1325	0.2625	0.0588	0.0625	0.0671	0.1332	0.1535	0.0680	0.0689	0.0346	0.2625

TABLE 68: Tacora Resources (Wabush) 2019 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	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	3	4	5	4	4	5	4	5	34
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	3	4	5	4	4	5	4	5	34
Total Copper	UG/L	Maximum	0	0	0	0	<0.50	0.66	0.63	1.5	<0.50	0.66	0.9	<0.50	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	0	0	0	0.25	0.3525	0.326	0.66	0.25	0.332	0.5725	0.25	0.66
Total Nickel	UG/L	# of Samples	0	0	0	0	3	4	5	4	4	5	4	5	34
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	3	4	5	4	4	5	4	5	34
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	3	4	5	4	4	5	4	5	34
pH	PH UNITS	Maximum	0	0	0	0	7.32	7.71	8.54	9.3	9.11	8.54	7.74	7.79	9.3
pH	PH UNITS	Minimum	0	0	0	0	7.11	7.44	7.72	8.88	8.62	7.81	7.32	7.08	7.08
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	3	1	0	0	0	4
Radium-226	BQ/L	# of Samples	0	0	0	0	3	4	5	4	4	5	4	5	34
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	4	5	4	4	5	4	5	34
Total Suspended Solids	MG/L	Maximum	0	0	0	0	6.8	2.8	3.2	3.6	3	2.6	11	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	0.0	0.0	0.0	0.0	3.7	1.7	2.1	2.1	1.8	1.5	3.6	1.2	3.7
Total Zinc	UG/L	# of Samples	0	0	0	0	3	4	5	4	4	5	4	5	34
Total Zinc	UG/L	Maximum	0	0	0	0	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	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	0	0	0	0	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5

TABLE 69: Tacora Resources (Wabush) 2019 Flora Lake Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	2	2	1	1	5	2	1	1	17
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	2	2	1	1	3	2	1	1	15
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	2	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	2	2	1	1	3	2	1	1	15
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	2	2	1	1	3	2	1	1	15
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 69 CONTINUED: Tacora Resources (Wabush) 2019 Flora Lake Discharge

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	3	5	5	4	4	5	4	5	39
Total Arsenic	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	1	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2
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	0.5	0.5	0.5	0.5	0.67	0.74	0.5	0.5	0.5	0.5	0.5	0.5	0.74
Total Copper	UG/L	# of Samples	1	1	1	1	3	5	5	4	4	5	4	5	39
Total Copper	UG/L	Maximum	<2.0	<0.50	<0.50	<0.50	1.1	6.5	1.6	1.9	0.64	1	0.65	<0.50	6.5
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	1.00	0.25	0.25	0.25	0.77	2.08	0.60	0.76	0.41	0.70	0.35	0.25	2.08
Total Nickel	UG/L	# of Samples	1	1	1	1	3	5	5	4	4	5	4	5	39
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	1	1	1	1	3	5	5	4	4	5	4	5	39
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.86
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	0.478	0.25	0.25	0.25	0.25	0.25	0.25	0.478
pH	PH UNITS	# of Samples	5	4	4	5	4	5	5	4	4	5	4	5	54
pH	PH UNITS	Maximum	7.76	7.69	8.21	7.55	7.59	7.5	7.57	7.62	7.73	7.77	7.7	7.69	8.21
pH	PH UNITS	Minimum	7.36	7.41	7.45	7.36	7.35	7.33	7.34	7.26	7.42	7.63	7.39	7.58	7.26
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	1	1	3	5	5	4	4	5	4	5	39
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	5	4	4	5	7	24	5	4	4	5	4	5	76
Total Suspended Solids	MG/L	Maximum	1.3	0.58	3.4	5.4	52	64	16	22	10	5.5	2.8	2.8	64
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	4	14	0	0	0	0	0	0	18
Total Suspended Solids	MG/L	Monthly Average	0.6	0.4	1.5	1.9	30.2	37.9	9.6	9.6	7.3	4.0	2.2	1.6	37.9
Total Zinc	UG/L	# of Samples	1	1	1	1	3	5	5	4	4	5	4	5	39
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	7.9	<5.0	<5.0	6.2	5.9	<5.0	<5.0	7.9
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	2.5	2.5	2.5	2.5	2.5	3.6	2.5	2.5	3.4	3.2	2.5	2.5	3.6

TABLE 70: Tacora Resources (Wabush) 2019 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	2	2	3	1	6	1	0	0	15
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	2	2	2	1	5	1	0	0	13
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	1	0	1	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	2	2	3	1	4	1	0	0	13
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	2	2	3	1	4	1	0	0	13
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	4	4	4	4	4	2	0	0	22
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	1.5	<1.0	<1.0	1.1	<1.0	0	0	1.5
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	0	0	0	0	0.5	0.75	0.5	0.5	0.65	0.5	0	0	0.75
Total Copper	UG/L	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
Total Copper	UG/L	Maximum	0	0	0	0	2.4	1.7	1.2	0.89	1.6	<0.50	0	0	2.4
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	1.86	1.18	0.70	0.63	0.98	0.25	0	0	1.86

TABLE 70 CONTINUED: Tacora Resources (Wabush) 2019 Knoll Lake Discharge (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	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	1	1	1	1	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0.59	<0.50	<0.50	0.74	<0.50	0	0	0.74
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	0.335	0.25	0.25	0.3725	0.25	0	0	0.3725
pH	PH UNITS	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
pH	PH UNITS	Maximum	0	0	0	0	7.69	7.55	7.85	7.67	7.38	7.85	0	0	7.85
pH	PH UNITS	Minimum	0	0	0	0	7.43	7.33	7.58	7.46	7.11	7.59	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
Radium-226	BQ/L	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
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	4	13	4	4	5	2	0	0	32
Total Suspended Solids	MG/L	Maximum	0	0	0	0	4.6	170	13	12	49	7	0	0	170
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	3	0	0	1	0	0	0	4
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	3.2	33.0	4.8	9.9	22.6	5.7	0	0	33.0
Total Zinc	UG/L	# of Samples	0	0	0	0	4	4	4	4	4	2	0	0	22
Total Zinc	UG/L	Maximum	0	0	0	0	7.8	7.6	33	5.4	6.2	<5.0	0	0	33
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	7.1	5.0	15.3	3.2	3.4	2.5	0	0	15.3

TABLE 71: Tacora Resources (Wabush) 2019 Tailings Line Emergency Dump Basin #1 (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	2	2	3	1	1	1	1	1	12
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	2	2	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	2	0	0	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	2	2	3	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	2	2	3	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	0	0	0	0	3	4	4	4	4	5	4	2	30
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
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	1.2	0.5	0.5	0.5	0.5	0.5	0.5	1.2
Total Copper	UG/L	# of Samples	0	0	0	0	3	4	4	4	4	5	4	2	30
Total Copper	UG/L	Maximum	0	0	0	0	2.8	1.4	1.3	2.2	1.6	1.2	0.96	0.74	2.8
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	2.10	1.03	0.79	0.95	0.75	0.91	0.51	0.50	2.10
Total Nickel	UG/L	# of Samples	0	0	0	0	3	4	4	4	4	5	4	2	30
Total Nickel	UG/L	Maximum	0	0	0	0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7
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	1.5667	1	1	1	1	1	1	1	1.5667
Total Lead	UG/L	# of Samples	0	0	0	0	3	4	4	4	4	5	4	2	30
Total Lead	UG/L	Maximum	0	0	0	0	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1
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	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63

TABLE 71 CONTINUED: Tacora Resources (Wabush) 2019 Tailings Line Emergency Dump Basin #1 (Settling Basin)

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	3	4	4	4	4	5	4	2	30
pH	PH UNITS	Maximum	0	0	0	0	7.48	7.67	7.79	7.72	7.78	7.71	7.55	7.63	7.79
pH	PH UNITS	Minimum	0	0	0	0	7.37	7.36	7.52	7.46	7.22	7.45	7.16	7.33	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	0	0	0	0	3	4	4	4	4	5	4	2	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	8	19	4	4	4	5	4	2	50
Total Suspended Solids	MG/L	Maximum	0	0	0	0	51	91	37	8	16	15	5	7.6	91
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	1	12	1	0	0	0	0	0	14
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	28.3	39.1	15.1	3.9	11.0	8.5	2.9	6.0	39.1
Total Zinc	UG/L	# of Samples	0	0	0	0	3	4	4	4	4	5	4	2	30
Total Zinc	UG/L	Maximum	0	0	0	0	22	17	12	<5.0	5.5	<5.0	5.4	9.4	22
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	13.4	13.4	5.7	2.5	3.3	2.5	3.9	6.0	13.4

TABLE 72: Tacora Resources (Wabush) 2019 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	0	0	0	0	1	2	2	1	5	2	1	1	15
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	2	1	2	2	1	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	3	0	0	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	2	2	1	3	2	1	1	13
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	2	2	1	3	2	1	1	13
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	3	4	5	4	4	4	4	5	33
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	3	4	5	4	4	4	4	5	33
Total Copper	UG/L	Maximum	0	0	0	0	<0.50	<0.50	<0.50	3	<0.50	<0.50	0.66	<0.50	3
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0.25	0.25	0.25	0.94	0.25	0.25	0.35	0.25	0.94
Total Nickel	UG/L	# of Samples	0	0	0	0	3	4	5	4	4	4	4	5	33
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	3	4	5	4	4	4	4	5	33
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	3	4	5	4	4	4	4	5	33
pH	PH UNITS	Maximum	0	0	0	0	7.52	7.65	7.71	7.79	7.71	7.8	7.62	7.69	7.8
pH	PH UNITS	Minimum	0	0	0	0	7.52	7.48	7.37	7.59	7.42	7.69	7.57	7.54	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	3	4	5	4	4	4	4	5	33
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

TABLE 72 CONTINUED: Tacora Resources (Wabush) 2019 West Pit Dewatering (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	3	4	5	4	4	4	4	5	33
Total Suspended Solids	MG/L	Maximum	0	0	0	0	1.4	1.3	<0.50	<0.50	1.1	1.2	0.7	1.2	1.4
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	0.8	0.8	0.3	0.3	0.5	0.5	0.4	0.5	0.8
Total Zinc	UG/L	# of Samples	0	0	0	0	3	4	5	4	4	4	4	5	33
Total Zinc	UG/L	Maximum	0	0	0	0	<5.0	7.4	5.4	7.2	<5.0	<5.0	17	5.3	17
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	2.5	4.5	3.1	3.7	2.5	2.5	6.1	4.1	6.1

TABLE 73: Tata Steel Minerals Canada Limited 2019 COASW11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	1	0	0	0	0	0	0	0	1
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 Copper	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
Total Copper	MG/L	Maximum	0	0	0	0	0.0034	0.007	0	0	0	0	0	0	0.007
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.0042	0.005	0	0	0	0	0	0	0.005
Total Lead	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
Total Lead	MG/L	Maximum	0	0	0	0	0.0015	0.0016	0	0	0	0	0	0	0.0016
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	0.0012	0.0011	0	0	0	0	0	0	0.0012
pH	PH UNITS	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
pH	PH UNITS	Maximum	0	0	0	0	6.79	7.05	0	0	0	0	0	0	7.05
pH	PH UNITS	Minimum	0	0	0	0	5.65	6.88	0	0	0	0	0	0	5.65
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	0	0	2	3	0	0	0	0	0	0	5
Radium-226	BQ/L	Maximum	0	0	0	0	0.02	<0.04	0	0	0	0	0	0	0.02
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	0.015	0.015	0	0	0	0	0	0	0.015
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	3	0	0	0	0	0	0	5
Total Suspended Solids	MG/L	Maximum	0	0	0	0	124	94	0	0	0	0	0	0	124
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	89	61	0	0	0	0	0	0	89

TABLE 74: Tata Steel Minerals Canada Limited 2019 COASW12

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	0	0	0	0	0	0	0	0	0
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	1	0	0	0	0	0	0	0	1
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 Copper	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	<0.5	0	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	0.25	0	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	6.05	0	0	0	0	0	0	0	6.05
pH	PH UNITS	Minimum	0	0	0	0	6.05	0	0	0	0	0	0	0	6.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 74 CONTINUED: Tata Steel Minerals Canada Limited 2019 COASW12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
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	1	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	16	0	0	0	0	0	0	0	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	0	0	0	0	16	0	0	0	0	0	0	0	16

TABLE 75: Teck Resources (Millertown) 2019 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	5	4	4	6	4	4	5	5	4	5	4	5	55
Total Arsenic	MG/L	Maximum	< 0.01	< 0.01	< 0.01	0.0100	0.0003	0.0004	0.0006	0.0007	0.0013	0.0010	0.0006	0.0005	0.0100
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	0.0050	0.0050	0.0050	0.0043	0.0003	0.0004	0.0005	0.0006	0.0009	0.0007	0.0006	0.0004	0.0050
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
Cyanide (Total Available, unfiltered)	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 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	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Total Copper	MG/L	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
Total Copper	MG/L	Maximum	0.020	0.018	0.018	0.017	0.016	0.014	0.016	0.013	0.018	0.014	0.021	0.017	0.021
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	0.018	0.017	0.017	0.014	0.014	0.014	0.013	0.010	0.014	0.012	0.018	0.016	0.018
Total Nickel	MG/L	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
Total Nickel	MG/L	Maximum	< 0.004	< 0.004	< 0.004	0.005	0.001	0.001	0.002	0.002	0.001	0.004	0.001	0.001	0.005
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	0.002	0.002	0.002	0.003	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.003
Total Lead	MG/L	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
Total Lead	MG/L	Maximum	< 0.007	0.0100	< 0.007	< 0.007	0.0006	0.0006	0.0017	0.0010	0.0041	0.0011	0.0018	0.0018	0.0100
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	0.0035	0.0051	0.0035	0.0025	0.0005	0.0005	0.0012	0.0009	0.0021	0.0006	0.0015	0.0009	0.0051
pH	PH UNITS	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
pH	PH UNITS	Maximum	7.47	7.67	7.71	7.85	7.36	7.57	7.61	7.64	7.64	7.55	7.41	7.21	7.85
pH	PH UNITS	Minimum	6.5	6.79	6.97	6.39	6.78	6.86	6.97	7.03	7.39	7.07	7.14	6.89	6.39
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	1	1	1	1	1	1	1	1	1	1	1	13
Radium-226	BQ/L	Maximum	0.01	< 0.005	0.006	0.007	<0.005	< 0.005	0.008	0.006	<0.005	0.01	<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	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.01
Total Suspended Solids	MG/L	# of Samples	6	4	4	6	4	4	5	5	4	5	4	5	56
Total Suspended Solids	MG/L	Maximum	< 6	2	2	2	2	24	3	3	5	3	2	<2	24
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	2.0	1.3	1.8	1.7	1.5	7.0	2.2	1.8	3.3	2.0	1.5	1.0	7.0
Total Zinc	MG/L	# of Samples	5	4	4	6	4	4	5	5	4	5	4	5	55
Total Zinc	MG/L	Maximum	0.23	0.294	0.206	0.141	0.129	0.104	0.205	0.242	0.165	0.119	0.156	0.113	0.294
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	0.169	0.234	0.195	0.106	0.102	0.097	0.160	0.205	0.142	0.092	0.138	0.095	0.234

TABLE 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 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	1	1	0	1	1	1	1	1	1	1	11
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	0	<2	<2	<2	4	<2	<2	<2	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	1	1	1	0	1	1	1	4	1	1	1	4
Total Copper	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Copper	UG/L	Maximum	4	1	<1	2	0	3	2	4	3	3	4	3	4
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	4	1	0.5	2	0	3	2	4	3	3	4	3	4
Total Nickel	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Nickel	UG/L	Maximum	11	13	11	19	0	73	17	21	9	24	12	136	136
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	11	13	11	19	0	73	17	21	9	24	12	136	136
Total Lead	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Lead	UG/L	Maximum	0.8	<0.5	<0.5	0.8	0	1	<0.5	0.8	1.1	<0.5	0.7	1.3	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	0.8	0.25	0.25	0.8	0	1	0.25	0.8	1.1	0.25	0.7	1.3	1.3
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.2	6.53	6.78	6.35	6.38	6.6	6.14	6.24	6.1	7.03	6.26	6.78	7.03
pH	PH UNITS	Minimum	6.2	6.53	6.78	6.35	6.38	6.6	6.14	6.24	6.1	7.03	6.26	6.78	6.1
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	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Suspended Solids	MG/L	Maximum	3	<2	5	2	<2	3	2	<5	3	<2	3	4	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	3	1	5	2	1	3	2	2.5	3	1	3	4	5
Total Zinc	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Zinc	UG/L	Maximum	20	12	14	10	0	14	24	30	12	29	18	20	30
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	20	12	14	10	0	14	24	30	12	29	18	20	30

TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D25

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	<2	<2	<2	<2	<2	<2	<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	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	4	4	3	2	1	1	2	<1	<1	<1	<1	1	4
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	4	4	3	2	1	1	2	0.5	0.5	0.5	0.5	1	4
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	<2	11	<2	<2	3	4	<2	<2	<2	7	<2	11
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	11	1	1	3	4	1	1	1	7	1	11
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	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4
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	0.5	0.25	2.4	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	2.4

TABLE 77 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	5.94	5.47	6.68	5.59	5.95	5.99	5.53	5.98	5.53	6.84	6.18	5.88	6.84
pH	PH UNITS	Minimum	5.94	5.47	6.68	5.59	5.95	5.99	5.53	5.98	5.53	6.84	6.18	5.88	5.47
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	8	3	7	2	7	<5	7	<2	<2	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	1	2	8	3	7	2	7	2.5	7	1	1	3	8
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	7	<5	11	<5	<5	<5	6	<5	<5	<5	1130	<5	1130
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Monthly Average	7	2.5	11	2.5	2.5	2.5	6	2.5	2.5	2.5	1130	2.5	1130

TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 D3

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	0	1	1	1	1	1	1	1	11
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<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	1	1	1	1	0	1	1	1	1	1	1	1	1
Total Copper	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Copper	UG/L	Maximum	5	3	3	3	0	1	2	2	4	2	2	4	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	5	3	3	3	0	1	2	2	4	2	2	4	5
Total Nickel	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Nickel	UG/L	Maximum	<2	<2	6	<2	0	15	<2	<2	2	2	<2	2	15
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	6	1	0	15	1	1	2	2	1	2	15
Total Lead	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Lead	UG/L	Maximum	1.9	1.3	2.6	17.5	0	0.7	0.7	0.8	3.5	0.7	1.2	4	17.5
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	1.9	1.3	2.6	17.5	0	0.7	0.7	0.8	3.5	0.7	1.2	4	17.5
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.22	6.27	7.17	5.84	6.31	6.49	5.8	6.38	5.96	7.37	6.35	5.44	7.37
pH	PH UNITS	Minimum	6.22	6.27	7.17	5.84	6.31	6.49	5.8	6.38	5.96	7.37	6.35	5.44	5.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	1	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	6	6	<2	2	2	<5	10	<2	2	3	10
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	6	6	1	2	2	2.5	10	1	2	3	10
Total Zinc	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Zinc	UG/L	Maximum	10	6	13	12	0	<5	<5	7	15	<5	5	34	34
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	10	6	13	12	0	2.5	2.5	7	15	2.5	5	34	34

TABLE 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 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	0	1	1	1	1	1	1	1	11
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<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	1	1	1	1	0	1	1	1	1	1	1	1	1
Total Copper	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Copper	UG/L	Maximum	5	2	2	4	0	<1	1	2	4	1	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	5	2	2	4	0	0.5	1	2	4	1	2	3	5
Total Nickel	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Nickel	UG/L	Maximum	4	10	4	10	0	<2	2	4	5	4	4	4	10
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	10	4	10	0	1	2	4	5	4	4	4	10
Total Lead	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Lead	UG/L	Maximum	2.3	0.5	<0.5	2.3	0	<0.5	<0.5	0.7	1.5	<0.5	<0.5	1.7	2.3
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	2.3	0.5	0.25	2.3	0	0.25	0.25	0.7	1.5	0.25	0.25	1.7	2.3
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.26	5.71	5.65	5.9	5.98	6.19	5.5	6.14	5.72	7.17	6.61	6.02	7.17
pH	PH UNITS	Minimum	6.26	5.71	5.65	5.9	5.98	6.19	5.5	6.14	5.72	7.17	6.61	6.02	5.5
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	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Suspended Solids	MG/L	Maximum	10	3	< 2	14	2	5	3	8	13	<2	8	7	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	10	3	1	14	2	5	3	8	13	1	8	7	14
Total Zinc	UG/L	# of Samples	1	1	1	1	0	1	1	1	1	1	1	1	11
Total Zinc	UG/L	Maximum	11	11	11	9	0	<5	70	8	7	18	5	8	70
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	11	11	11	9	0	2.5	70	8	7	18	5	8	70

TABLE 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 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	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	1	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Arsenic	UG/L	Maximum	<2.5	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	3.7	<2.5	3.8	3.4	2	3.8
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	1.2	1.3	1.5	1.1	1.2	1.2	1.2	1.8	1.1	1.7	1.8	1.4	1.8
Total Copper	UG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Copper	UG/L	Maximum	22	7	9	7	6	4	7	4	4	3	5	9	22
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	9.0	6.3	6.8	5.3	5.0	3.8	5.0	3.3	3.5	2.2	3.0	4.2	9.0
Total Nickel	UG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Nickel	UG/L	Maximum	98	37.6	53.3	42	71.5	99	114	58	73	53.2	92.7	89	114
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	66.0	33.9	35.5	36.1	59.7	95.0	87.9	49.2	50.0	37.2	73.1	69.2	95.0

TABLE 80 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2019 FDP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Lead	UG/L	Maximum	3.3	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3
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	1.02	0.25	0.32	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.02
pH	PH UNITS	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
pH	PH UNITS	Maximum	7.46	7.18	7.46	7.62	7.63	7.57	7.33	7.63	7.58	7.47	7.5	7.46	7.63
pH	PH UNITS	Minimum	6.49	6.48	6.57	6.68	6.45	6.95	6.85	7.01	7.1	6.53	6.34	6.09	6.09
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	1	0	1	6	4	4	5	4	4	5	2	1	37
Radium-226	BQ/L	Maximum	0.009	0	<0.005	0.009	0.005	0.01	<0.01	0.009	0.009	0.02	<0.01	<0.005	0.02
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	0.003	0.005	0.003	0.007	0.003	0.005	0.005	0.009	0.004	0.003	0.009
Total Suspended Solids	MG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Suspended Solids	MG/L	Maximum	11	7	7	5	5	5	5	6	5	6	4	6	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	4.92	4.25	5.4	3.2	4	3.25	3.8	3.5	4.25	4	2.8	4	5.4
Total Zinc	UG/L	# of Samples	5	4	5	6	4	4	5	4	4	5	5	5	56
Total Zinc	UG/L	Maximum	<10	<10	18	8	8	18	9	<10	6	<10	<10	17	18
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	4.5	5	7.1	4.7	5.8	8.3	5.8	4.4	4.6	4	4	8.6	8.6

TABLE 81: Vale Newfoundland and Labrador (Voisey's Bay) 2019 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	1	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	1	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	1	0	0	0	2
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	1	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<2	0	0	<2	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	1	0	0	0	1
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	3	0	0	5	0	0	0	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	0	0	0	0	3	0	0	5	0	0	0	5
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	302	0	0	382	0	0	0	382
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	302	0	0	382	0	0	0	382
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.5	0	0	<0.5	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	0.25	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.71	0	0	8.26	0	0	0	8.26
pH	PH UNITS	Minimum	0	0	0	0	0	7.71	0	0	8.26	0	0	0	7.71
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	1	0	0	0	2
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.005	0	0	<0.005	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	0.0025	0	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<2	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	1	0	0	3	0	0	0	3
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	1	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5	0	0	<5	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	2.5	0	0	0	2.5

TABLE 82: Vale Newfoundland and Labrador (Voisey's Bay) 2019 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	0	1	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	0	1	0	1	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	0	1	0	0	0	1	0	1	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	1	0	0	0	1	0	1	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 82 CONTINUED: Vale Newfoundland and Labrador (Voisey's Bay) 2019 Treated Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<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	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Copper	UG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Copper	UG/L	Maximum	6	8	5	6	10	4	4	5	4	5	6	3	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	5.5	4.5	4	4.5	3	3.2	5	2.6	3.75	3.75	2.4	5.5
Total Nickel	UG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Nickel	UG/L	Maximum	73	83	93	66	97	73	88	58	60	65	70	58	97
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	57	59.75	66.75	53.6	73.75	59.75	69.6	58	47.8	56.25	53	52	73.75
Total Lead	UG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Lead	UG/L	Maximum	<0.5	0.5	<0.5	1.1	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	2.6
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	0.3125	0.25	0.42	0.25	0.3375	0.25	0.25	0.25	0.25	0.25	0.72	0.72
pH	PH UNITS	# of Samples	5	4	4	5	4	4	5	1	5	4	4	5	50
pH	PH UNITS	Maximum	8.48	8.72	8.53	8.75	8.81	8.47	8.42	8.04	8.31	8.56	8.32	8.64	8.81
pH	PH UNITS	Minimum	7.85	8.21	8.44	8.39	8	8.31	8.01	8.04	7.86	8.04	8.19	8.23	7.85
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	1	1	1	1	0	0	0	1	1	1	0	7
Radium-226	BQ/L	Maximum	0	0.007	<0.005	0.006	0.006	0	0	0	<0.005	<0.005	<0.005	0	0.007
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.007	0.0025	0.006	0.006	0	0	0	0.0025	0.0025	0.0025	0	0.007
Total Suspended Solids	MG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Suspended Solids	MG/L	Maximum	6	12	14	6	7	6	3	11	9	5	6	3	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	4.8	7.25	9	5.4	4.5	4	2.6	11	4	3.5	3.5	1.8	11
Total Zinc	UG/L	# of Samples	4	4	4	5	4	4	5	1	5	4	4	5	49
Total Zinc	UG/L	Maximum	<5	5	<5	<5	<5	8	<5	<5	<5	<5	<5	<5	8
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	3.125	2.5	2.5	2.5	3.875	2.5	2.5	2.5	2.5	2.5	2.5	3.875