

Municipal Affairs and Environment

**Industrial Effluent Compliance
2018 Annual Report**

January 2020



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Executive Summary

The Newfoundland and Labrador Department of Municipal Affairs and Environment (MAE) regulates industrial 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. Industries 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 industry meets regulatory requirements and is protective of the receiving environment.

MAE works closely with industries 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, we strive 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 2018 there were more than 30 industries reporting effluent quality to MAE on a consistent basis. This report provides a summary of the effluent quality discharged at the major industries within the province of Newfoundland and Labrador. It is important to note that the summaries provided are for the discharge locations only. Most industries conduct additional monitoring for general water quality characterization at discharge points, as well as other locations in proximity to operations. Some industries operating in the province also participate in Environmental Effects Monitoring (EEM) programs. This report identifies EEM activities completed in 2018.

Points to Note:

- The data presented is based upon reports submitted to MAE by industry, as of October 2019.
- 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.

Industries

Anaconda Mining Incorporated

<u>2018 COA</u>	Approval #:	AA17-085645
	Issue Date:	August 10, 2017
	Expiration:	August 10, 2022

Anaconda Mining Incorporated has two discharge points, the Polishing Pond and the North Pit Settlement Pond. There was one exceedance of the monthly average limit for total suspended solids (TSS) at the Polishing Pond in February.

Environmental Effects Monitoring

There were no submissions for 2018.

See Table 1: Anaconda 2018 Polishing Pond Discharge (FDP)
Table 2: Anaconda 2018 North Pit Settlement Pond

Atlantic Minerals Limited

Lower Cove

<u>2018 COA</u>	Approval #:	AA14-035590
	Issue Date:	March 31, 2014
	Expiration:	March 31, 2019

Atlantic Minerals Limited (Lower Cove) collected samples at three locations in 2018. There were two TSS exceedances reported at DL Quarry 2 and one TSS exceedance reported at the HiCal Trench.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 3: Atlantic Minerals Lower Cove 2018 DL Quarry 2
Table 4: Atlantic Minerals Lower Cove 2018 Goose Pond
Table 5: Atlantic Minerals Lower Cove 2018 HiCal Trench

North Star Cement

<u>2018 Monitoring</u>	As per letter from PPD
	Issue Date: March 10, 2005

Atlantic Minerals Limited (North Star Cement) collected samples at two locations in 2018. There were two total dissolved solids (TDS) exceedances and one TSS exceedance reported at the Shale Quarry.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 6: Atlantic Minerals Corner Brook Series 1
Table 7: Atlantic Minerals Corner Brook Shale Quarry

Barite Mud Services

<u>2018 COA</u>	Approval #:	AA14-115601
	Issue Date:	November 19, 2014
	Expiration:	November 19, 2019

There were no operations at Barite Mud Services in 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

Beaver Brook Antimony Mine Incorporated

<u>2018 COA</u>	Approval #:	AA13-035578
	Issue Date:	April 8, 2013
	Expiration:	March 19, 2018
	Approval #:	AA18-035580
	Issue Date:	March 19, 2018
	Expiration:	March 19, 2023

Beaver Brook Antimony Mine Incorporated has one discharge location, Site 16. There was one exceedance of the monthly average limit for TSS in April.

Environmental Effects Monitoring

The Beaver Brook cycle two interpretive report was reviewed in 2018.

See Table 8: Beaver Brook 2018 Site 16

Canada Fluorspar Incorporated

<u>2018 COA</u>	Approval #:	AA17-075644
	Issue Date:	July 5, 2017
	Expiration:	July 5, 2022

Canada Fluorspar Incorporated discharges effluent from three locations, WQ STA 22, WQ STA 23 and WQ STA 24. In 2018, there were five pH exceedances and 11 TSS exceedances reported at WQ STA 22. There was one orthophosphate, and 22 pH exceedances reported at WQ STA 23. There was one iron, one ammonia, one orthophosphate, six lead, one zinc and eight TSS exceedances reported at WQ STA 24.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 9: Canada Fluorspar Incorporated 2018 WQ STA 22
Table 10: Canada Fluorspar Incorporated 2018 WQ STA 23
Table 11: Canada Fluorspar Incorporated 2018 WQ STA 24

Carino

<u>2018 COA</u>	Approval #:	AA13-125586
	Issue Date:	December 18, 2013
	Expiration:	December 18, 2018
	Extension:	March 31, 2019
	Compliance Agreement:	November 18, 2014 – June 30, 2018
	Compliance Agreement Amendment:	November 21, 2016

Carino Processing Limited has one effluent discharge location. Exceedances reported in the effluent discharge in 2018 included: 22 biochemical oxygen demand (BOD), four iron, 14 ammonia, two pH, 28 phenol, seven TDS, ten total oil and grease (TOG) and ten TSS.

Environmental Effects Monitoring

There were no EEM submissions for 2018.

See Table 12: Carino 2018 Effluent Discharge

Central Regional Waste Service Board

<u>2018 COA</u>	Approval #:	WMS-17-12-001
	Issue Date:	December 1, 2017
	Expiration:	December 31, 2022

The Central Regional Services Board has one discharge location at SW9. In 2018, there was one BOD, two ammonia and one TSS exceedance reported at SW9.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 13: Central Regional Services Board 2018 SW9

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

<u>2018 COA</u>	Approval #:	WMS-2014-02-002
	Issue Date:	February 28, 2014
	Expiration:	February 28, 2019

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 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 14: City of St. John’s – Robin Hood Bay Landfill 2018 LW2

Corner Brook Pulp and Paper Limited

<u>2018 COA</u>	Approval #:	AA13-125584
	Issue Date:	December 23, 2013
	Expiration:	July 7, 2018

Corner Brook Pulp and Paper Limited have two discharge locations, East Sewer and Effluent Treatment. There was one total TSS daily discharge exceedance in November.

Environmental Effects Monitoring

The Corner Brook Pulp and Paper cycle eight study design was reviewed in 2018.

See Table 15: Corner Brook Pulp and Paper 2018 East Sewer
Table 16: Corner Book Pulp and Paper 2018 Effluent Treatment
Table 17: Corner Brook Pulp and Paper 2018 Total Mill Discharge

Country Ribbon Incorporated

<u>2018 COA</u>	Approval #:	WMS-16-03-002
	Issue Date:	April 29, 2016

Expiration: April 30, 2018
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 2018 there were 27 BOD, two orthophosphate, 15 TOG and 13 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) 2018 Post DAF Sampling

DJ Composites

2018 Monitoring As per letter from PPD
Issue Date: March 8, 2012

DJ Composites has one effluent discharge location. There were no exceedances reported in 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 19: DJ Composites 2018 Effluent

Department of Natural Resources (Buchans)

2018 Monitoring As per internal memo, PPD
Issue Date: September 8, 2010
Updated: January 15, 2014

Several locations are sampled near the town of Buchans by the Department of Natural Resources. Four 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. One zinc exceedance was reported at Site 2.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 20: Department of Natural Resources (Buchans) 2018 PH1 & PH2 Combined
Table 21: Department of Natural Resources (Buchans) 2018 Site 1
Table 22: Department of Natural Resources (Buchans) 2018 Site 12
Table 23: Department of Natural Resources (Buchans) 2018 Site 2

Department of Natural Resources (Hope Brook)

2018 Monitoring As per letter from PPD
Issue Date: January 30, 2008

The Hope Brook mine site has been remediated by the Government of Newfoundland and Labrador. The Department of Natural Resources monitors effluent from seven different areas of the mine site. There were no exceedances reported in 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 24: Department of Natural Resources (Hope Brook) 2018 BHB#6
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Table 30: Department of Natural Resources (Hope Brook) 2018 Polish Pond

Department of Natural Resources (Gullbridge)

The discharge location at the Gullbridge mine site located Below Berm is sampled by the Department of Natural Resources. In 2018 there was one copper exceedance reported at this site.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 31: Department of Natural Resources (Gullbridge) 2018 Below Berm

Department of Transportation and Works (Grand Falls)

2018 Monitoring As per memo from PPD
Issue Date: June 12, 2013

The Department of Transportation and Works samples the discharge located at the North Sewer of the remediated pulp and paper site in Grand Falls. There were no exceedances reported in 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 32: Department of Transportation and Works (Grand Falls) 2018 North Sewer

Envirosystems

2018 COA Approval #: WMS-07-07-017
Issue Date: March 26, 2015
Expiration: March 31, 2018
Approval #: WMS-07-07-017
Issue Date: April 1, 2018
Expiration: March 31, 2023

Envirosystems Incorporated has one waste water discharge location. There were no exceedances reported in 2018.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 33: Envirosystems 2018 Waste Water Discharge

Husky Oil Operations – Atlantic (Argentina)

2018 COA Approval #: AA13-115582B
Issue Date: October 3, 2014

Amendment: June 14, 2018
Expiration: November 30, 2019
Compliance Agreement: August 15, 2016 – August 31, 2019

Husky Oil Operations Limited – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir and the Settlement Pond #2 weir. In 2018, there were 12 ammonia exceedances and one TDS exceedance reported at Settlement Pond #1 weir. There were 12 ammonia and 11 TDS exceedances reported at Settling Pond #2 weir.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 34: Husky Oil Operations – Atlantic (Argentina) 2018 Settlement Pond #1 Weir
Table 35: Husky Oil Operations – Atlantic (Argentina) 2018 Settlement Pond #2 Weir

Iron Ore Company of Canada

<u>2018 COA</u>	Approval #:	AA13-045575B
	Issue Date:	April 9, 2013
	Amendment:	February 2, 2016
	Expiration:	January 31, 2019
	Approval #:	AA13-055636
	Issue Date:	May 19, 2016
	Expiration:	January 31, 2019

The Iron Ore Company of Canada collected samples at eight discharge locations in 2018. There was one exceedance of the monthly average limit for TSS at FDP-W3-02 in July.

Environmental Effects Monitoring

There were no submissions for 2018.

See Table 36: Iron Ore Company of Canada (Labrador City) 2018 FDP-HC
Table 37: Iron Ore Company of Canada (Labrador City) 2018 FDP-MD30
Table 38: Iron Ore Company of Canada (Labrador City) 2018 FDP-JN
Table 39: Iron Ore Company of Canada (Labrador City) 2018 FDP-W3-02
Table 40: Iron Ore Company of Canada (Labrador City) 2018 MD5
Table 41: Iron Ore Company of Canada (Labrador City) 2018 FDP-LLN
Table 42: Iron Ore Company of Canada (Labrador City) 2018 FDP-W3-06
Table 43: Iron Ore Company of Canada (Labrador City) 2018 PD-11
Table 44: Iron Ore Company of Canada (Labrador City) 2018 PD-19
Table 45: Iron Ore Company of Canada (Labrador City) 2018 PD-32

Labatt Breweries

<u>2018 COA</u>	Approval #:	AA15-075607
	Issue Date:	July 27, 2015
	Expiration:	July 27, 2020
	Compliance Agreement:	July 16, 2015 – May 26, 2018

Labatt Breweries Newfoundland has one discharge point designated Water Chemistry. In 2018, there were 33 BOD, five copper, one orthophosphate, eleven pH, one zinc and 27 TSS exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 46: Labatt Breweries Newfoundland (St. John's) 2018 Water Chemistry

Labrador Iron Mines

Labrador Iron Mines became a recognized closed mine on November 6, 2018. There were no exceedances reported in 2018.

Environmental Effects Monitoring

The Labrador Iron Mines final EEM submission was reviewed in 2018.

See Table 47: Labrador Iron Mines 2018 Ruth Pit

Molson Coors Canada

<u>2018 COA</u>	Approval #:	AA17-065642
	Issue Date:	June 30, 2018
	Expiration:	June 30, 2022

Molson Coors Canada, St. John's has one discharge point designated Water Chemistry. In 2018, there were 45 BOD, three orthophosphate, one TSS and 35 pH exceedances reported at this site.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 48: Molson Coors Canada (St. John's) 2018 Water Chemistry

Newfoundland Transshipment Limited

<u>2018 COA</u>	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 2018.

Environmental Effects Monitoring

There were no EEM submissions for 2018.

See Table 49: Newfoundland Transshipment Limited 2018 Oily Water Separator
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Newfoundland and Labrador Hydro (Holyrood)

<u>2018 COA</u>	Approval #:	AA16-105640A
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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 2018, exceedances were reported at the CT-OS, Continuous Basin, OS1 and WWTP locations. One BOD and two TSS exceedances were reported at the CT-OS. One zinc exceedance was reported at the Continuous Basin. One selenium and one zinc exceedance was reported at OS1. There were two pH exceedances reported at WWTP.

Environmental Effects Monitoring

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

See Table 58: Newfoundland and Labrador Hydro (Holyrood) 2018 CT-OS
Table 59: Newfoundland and Labrador Hydro (Holyrood) 2018 Continuous Basin
Table 60: Newfoundland and Labrador Hydro (Holyrood) 2018 OS1
Table 61: Newfoundland and Labrador Hydro (Holyrood) 2018 OS2
Table 62: Newfoundland and Labrador Hydro (Holyrood) 2018 WWTP

North Atlantic Refining Limited

2018 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 2018 there were no exceedances reported.

Environmental Effects Monitoring

The Marine Environmental Effects Monitoring program was conducted in 2018 at North Atlantic Refining Limited.

See Table 63: North Atlantic Refining Ltd 2018 Outfall to Sea

Pardy's Waste Management

2018 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. In 2018, the following exceedances were reported: one BOD, one fecal coliform, one ammonia, 21 nitrate, one pH, 22 TDS, four TSS and one zinc.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 64: Pardy's Waste Management 2018 Waste Water Treatment Plant

Rambler Metals and Mining Canada Limited

2018 COA Approval #: AA13-035580
Issue Date: March 31, 2013
Expiration: March 31, 2018

Approval #: AA18-065651
Issue Date: June 15, 2018
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 TSS exceedance reported at the Treated Mine Effluent location. There was one exceedance of the monthly average TSS limit at the Treated Mine Effluent location. There were two *Daphnia magna* ALT failures reported, one at each location, but it should be noted that these are monitoring tests only and not considered compliance determinant analyses.

Environmental Effects Monitoring

The Ming Mine cycle 3 study design was reviewed in 2018.

See Table 65: Rambler Metals and Mining 2018 No.2 Polishing Pond
Table 66: Rambler Metals and Mining 2018 Treated Mine Effluent

Tacora Resources

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

Tacora Resources collected samples from five discharge points in 2018. There was one pH, three TSS and one monthly TSS average exceedance reported at the Flora Lake Discharge. There were two *Daphnia magna* ALT failures reported at the West Pit Dewatering location. It should be noted that these are monitoring tests only and not considered compliance determinant analyses.

Environmental Effects Monitoring

The Tacora Resources cycle five interpretive report was reviewed in 2018.

See Table 67: Tacora Resources (Wabush) 2018 East Pit 2 Dewatering (Sylvio Settling Basin)
Table 68: Tacora Resources (Wabush) 2018 Flora Lake Discharge
Table 69: Tacora Resources (Wabush) 2018 Knoll Lake Discharge (Settling Basin)
Table 70: Tacora Resources (Wabush) 2018 Tailings Line Emergency Dump Basin #1 (Settling Basin)
Table 71: Tacora Resources (Wabush) 2018 West Pit Dewatering (Settling Basin)

Tata Steel Minerals Canada Limited

2018 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 one location in 2018, COASW11. There were no exceedances reported.

Environmental Effects Monitoring

The Elross Lake Area Iron Ore Mine cycle two study design was reviewed in 2018.

See Table 72: Tata Steel Minerals Canada Limited 2018 COASW11

Teck Resources Limited

2018 Monitoring Duck Pond Closure Water Quality Monitoring Program
Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at the Dam C location in 2018. There were no exceedances reported.

Environmental Effects Monitoring

The Duck Pond cycle four interpretive report was reviewed in 2018.

See Table 73: Teck Resources (Millertown) 2018 Dam C

Vale Newfoundland and Labrador Limited (Long Harbour)

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

Vale Newfoundland and Labrador Limited (Long Harbour) discharged effluent from five locations in 2018. There were no exceedances reported in 2018.

Environmental Effects Monitoring

The Vale Newfoundland and Labrador Limited (Long Harbour) cycle one interpretive report was reviewed in 2018.

See Table 74: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 D2
Table 75: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 D25
Table 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 D3
Table 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 D5
Table 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 FDP1

Vale Newfoundland and Labrador Limited (Voisey's Bay)

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

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from two locations in 2018. There was one *Daphnia magna* ALT failure 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 2018.

See Table 79: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2018 Port Site Sed Pond
Table 80: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2018 Treated Effluent Discharge

Conclusion

MAE 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 MAE 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 Municipal Affairs and Environment
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
MAE	- NL Department of Municipal Affairs and Environment
MDMER	- Metal and Diamond Mining Effluent Regulations
PPD	- Pollution Prevention Division
TDS	- Total Dissolved Solids
TOG	- Total Oil and Grease
TPH	- Total Petroleum Hydrocarbons
TSS	- Total Suspended Solids
UOM	- Unit Of Measure

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TABLE 1: Anaconda 2018 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	1	0	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	1	0	0	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	<0.0010	0	0	0	0	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	0.0005	0	0	0	0	0	0	0	0	0	0	0.0005
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	1	0	0	0	0	0	0	0	0	0	0	2
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0.024	0.051	0	0	0	0	0	0	0	0	0	0	0.051
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	0.024	0.051	0	0	0	0	0	0	0	0	0	0	0.051
Total Copper	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0.0865	0	0	0	0	0	0	0	0	0	0	0.0865
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	0.0865	0	0	0	0	0	0	0	0	0	0	0.0865
Total Nickel	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0.0024	0	0	0	0	0	0	0	0	0	0	0.0024
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	0.0024	0	0	0	0	0	0	0	0	0	0	0.0024
Total Lead	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0.00066	0	0	0	0	0	0	0	0	0	0	0.00066
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	0.00066	0	0	0	0	0	0	0	0	0	0	0.00066
pH	PH UNITS	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	7.79	0	0	0	0	0	0	0	0	0	0	7.79
pH	PH UNITS	Minimum	0	7.79	0	0	0	0	0	0	0	0	0	0	7.79
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 1 CONTINUED: Anaconda 2018 Polishing Pond Discharge (FDP)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	<0.010	0	0	0	0	0	0	0	0	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.005	0	0	0	0	0	0	0	0	0	0	0.005
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	16	0	0	0	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	16	0	0	0	0	0	0	0	0	0	0	16
Total Zinc	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	<0.0050	0	0	0	0	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	0.0025	0	0	0	0	0	0	0	0	0	0	0.0025

TABLE 2: Anaconda 2018 North Pit Settlement Pond 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	0	0	0	1	1	1	1	1	0	0	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	0	0	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	1	1	0	0	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	0	0	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	0.0014	0.0014
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	0	0.0014	0.0014
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	0	0	0	3	2	0	0	1	6
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	0	0	0	0.11	0.11	0	0	0.48	0.48
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0	0	0	0	0.06	0.06	0	0	0.48	0.48
Total Copper	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Copper	MG/L	Maximum	0	0	0	0	0.0225	0.0256	0.0058	0.0097	0.0181	0	0	0.0106	0.0256
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	0.0176	0.0133	0.0058	0.0073	0.0104	0	0	0.0106	0.0176

TABLE 2 CONTINUED: Anaconda 2018 North Pit Settlement Pond Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	<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	0	0.001	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Lead	MG/L	Maximum	0	0	0	0	<0.00050	0.00054	<0.00050	0.00256	0.00123	0	0	<0.00050	0.00256
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.00025	0.00040	0.00025	0.0010	0.00112	0	0	0.00025	0.00112
pH	PH UNITS	# of Samples	0	0	0	0	2	2	1	3	1	0	0	1	10
pH	PH UNITS	Maximum	0	0	0	0	7.91	7.98	7.91	8.10	7.93	0	0	7.85	8.10
pH	PH UNITS	Minimum	0	0	0	0	7.87	7.78	7.91	7.99	7.93	0	0	7.85	7.78
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	0	1	1	0	0	1	4
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	0	<0.010	<0.010	0	0	<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	0	0.005	0.005	0	0	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Suspended Solids	MG/L	Maximum	0	0	0	0	12	14	2.6	16	7.8	0	0	6	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	9.5	7.8	2.6	7.1	4.0	0	0	6	9.5
Total Zinc	MG/L	# of Samples	0	0	0	0	2	2	1	3	2	0	0	1	11
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	<0.0050	<0.0050	0.0051	0.0101	0	0	<0.0050	0.0101
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0.0025	0.0025	0.0034	0.0063	0	0	0.0025	0.0063

TABLE 3: Atlantic Minerals Lower Cove 2018 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	1	1	0	0	1	0	0	1	0	0	4
Total Silver	UG/L	Maximum	0	0	<0.10	<0.10	0	0	<0.10	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	0.05	0.05	0	0	0.05	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Arsenic	UG/L	Maximum	0	0	<1.0	<1.0	0	0	<1.0	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	0.5	0.5	0	0	0.5	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Barium	UG/L	Maximum	0	0	130	110	0	0	250	0	0	160	0	0	250
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	130	110	0	0	250	0	0	160	0	0	250
Total Boron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	0	0	<50	<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	25	25	0	0	25	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0	0	<0.010	<0.010	0	0	<0.010	0	0	0.023	0	0	0.023
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	0.005	0.005	0	0	0.005	0	0	0.023	0	0	0.023
Total Chromium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	0	0	<1.0	2.5	0	0	<1.0	0	0	4.5	0	0	4.5
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0.5	2.5	0	0	0.5	0	0	4.5	0	0	4.5
Total Copper	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	0	0	<2.0	<2.0	0	0	<2.0	0	0	<2.0	0	0	<2.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	1	1	0	0	1	0	0	1	0	0	1
Total Iron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	0	0	92	330	0	0	57	0	0	870	0	0	870
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	92	330	0	0	57	0	0	870	0	0	870

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2018 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	0	0	<0.013	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	0	0	<2.0	<2.0	0	0	<2.0	0	0	2.6	0	0	2.6
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	1	1	0	0	1	0	0	2.6	0	0	2.6
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0.14	0.057	0	0	0.73	0	0	1.1	0	0	1.1
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	0.14	0.057	0	0	0.73	0	0	1.1	0	0	1.1
Orthophosphate	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	0	0	<0.010	<0.010	0	0	<0.010	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	0.005	0.005	0	0	0.005	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	0	0	17	38	0	0	9.2	0	0	63	0	0	63
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	17	38	0	0	9.2	0	0	63	0	0	63
pH	PH UNITS	# of Samples	0	0	1	1	1	1	1	1	1	1	0	0	8
pH	PH UNITS	Maximum	0	0	7.77	7.97	7.96	7.96	7.91	8.25	8.03	7.94	0	0	8.25
pH	PH UNITS	Minimum	0	0	7.77	7.97	7.96	7.96	7.91	8.25	8.03	7.94	0	0	7.77
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	1	0	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0	0	0.001	0.0018	0	0	<0.0010	0	0	0.0014	0	0	0.0018
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.001	0.0018	0	0	0.0005	0	0	0.0014	0	0	0.0018
Total Selenium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Selenium	UG/L	Maximum	0	0	<1.0	<1.0	0	0	<1.0	0	0	1.1	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	0.5	0.5	0	0	0.5	0	0	1.1	0	0	1.1

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2018 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Sulphide	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Sulphide	MG/L	Maximum	0	0	<0.020	<0.020	0	0	<0.020	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	0.01	0.01	0	0	0.01	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Calculated TDS	MG/L	Maximum	0	0	170	140	0	0	250	0	0	220	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	170	140	0	0	250	0	0	220	0	0	250
Total Suspended Solids	MG/L	# of Samples	0	0	1	1	1	1	1	1	1	1	0	0	8
Total Suspended Solids	MG/L	Maximum	0	0	7.8	37	12	<1.0	19	10	4	100	0	0	100
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	1	0	0	0	0	0	1	0	0	2
Total Suspended Solids	MG/L	Monthly Average	0	0	7.8	37	12	0.5	19	10	4	100	0	0	100
Total Zinc	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	0	0	<5.0	6.2	0	0	<5.0	0	0	13	0	0	13
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	2.5	6.2	0	0	2.5	0	0	13	0	0	13

TABLE 4: Atlantic Minerals Lower Cove 2018 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	1	0	0	0	1	0	0	1	0	0	3
Total Silver	UG/L	Maximum	0	0	<0.10	0	0	0	<0.10	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	0.05	0	0	0	0.05	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Arsenic	UG/L	Maximum	0	0	<1.0	0	0	0	<1.0	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	0.5	0	0	0	0.5	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Barium	UG/L	Maximum	0	0	230	0	0	0	210	0	0	210	0	0	230
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	230	0	0	0	210	0	0	210	0	0	230

TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2018 Goose Pond

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	0	1	0	0	1	0	0	3
Total Boron	UG/L	Maximum	0	0	<50	0	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	25	0	0	0	25	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Cadmium	UG/L	Maximum	0	0	<0.010	0	0	0	<0.010	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	0.005	0	0	0	0.005	0	0	0.005	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Chromium	UG/L	Maximum	0	0	<1.0	0	0	0	<1.0	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	0.5	0	0	0	0.5	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Copper	UG/L	Maximum	0	0	<2.0	0	0	0	<2.0	0	0	<2.0	0	0	<2.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	1	0	0	0	1	0	0	1	0	0	1
Total Iron	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Iron	UG/L	Maximum	0	0	69	0	0	0	140	0	0	290	0	0	290
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	69	0	0	0	140	0	0	290	0	0	290
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Mercury	UG/L	Maximum	0	0	<0.013	0	0	0	<0.013	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Nickel	UG/L	Maximum	0	0	<2.0	0	0	0	<2.0	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	1	0	0	0	1	0	0	1	0	0	1
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0.057	0	0	0	<0.050	0	0	<0.050	0	0	0.057
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	0.057	0	0	0	0.025	0	0	0.025	0	0	0.057

TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2018 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	1	0	0	0	1	0	0	1	0	0	3
Orthophosphate	MG/L	Maximum	0	0	<0.010	0	0	0	<0.010	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	0.005	0	0	0	0.005	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Lead	UG/L	Maximum	0	0	1.1	0	0	0	1.2	0	0	4.8	0	0	4.8
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	1.1	0	0	0	1.2	0	0	4.8	0	0	4.8
pH	PH UNITS	# of Samples	0	0	1	0	1	1	1	1	1	1	0	0	7
pH	PH UNITS	Maximum	0	0	7.62	0	7.94	8.03	8	8.16	8.14	7.98	0	0	8.16
pH	PH UNITS	Minimum	0	0	7.62	0	7.94	8.03	8	8.16	8.14	7.98	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
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Phenolics	MG/L	Maximum	0	0	<0.0010	0	0	0	<0.0010	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	0.0005	0	0	0	0.0005	0	0	0.0005	0	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Total Selenium	UG/L	Maximum	0	0	<1.0	0	0	0	<1.0	0	0	<1.0	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	0.5	0	0	0	0.5	0	0	0.5	0	0	0.5
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Sulphide	MG/L	Maximum	0	0	<0.020	0	0	0	<0.020	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	0.01	0	0	0	0.01	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	1	0	0	3
Calculated TDS	MG/L	Maximum	0	0	150	0	0	0	130	0	0	130	0	0	150
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	150	0	0	0	130	0	0	130	0	0	150
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	1	1	1	1	1	1	0	0	7
Total Suspended Solids	MG/L	Maximum	0	0	1.8	0	1.4	2.2	2.4	2	1.2	12	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	1.8	0	1.4	2.2	2.4	2	1.2	12	0	0	12

TABLE 4 CONTINUED: Atlantic Minerals Lower Cove 2018 Goose Pond

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	1	0	0	1	0	0	3
Total Zinc	UG/L	Maximum	0	0	8.2	0	0	0	<5.0	0	0	7.2	0	0	8.2
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	8.2	0	0	0	2.5	0	0	7.2	0	0	8.2

TABLE 5: Atlantic Minerals Lower Cove 2018 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	1	1	0	0	1	0	0	1	0	0	4
Total Silver	UG/L	Maximum	0	0	<0.10	<0.10	0	0	<0.10	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	0.05	0.05	0	0	0.05	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Arsenic	UG/L	Maximum	0	0	<1.0	1.4	0	0	<1.0	0	0	<1.0	0	0	1.4
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	0.5	1.4	0	0	0.5	0	0	0.5	0	0	1.4
Total Barium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Barium	UG/L	Maximum	0	0	140	140	0	0	190	0	0	170	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	140	140	0	0	190	0	0	170	0	0	190
Total Boron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	0	0	<50	<50	0	0	60	0	0	<50	0	0	60
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	25	0	0	60	0	0	25	0	0	60
Total Cadmium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0	0	0.011	0.046	0	0	0.013	0	0	0.018	0	0	0.046
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	0.011	0.046	0	0	0.013	0	0	0.018	0	0	0.046
Total Chromium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	0	0	1.1	6.7	0	0	1.8	0	0	3.7	0	0	6.7
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	1.1	6.7	0	0	1.8	0	0	3.7	0	0	6.7

TABLE 5 CONTINUED: Atlantic Minerals Lower Cove 2018 HiCal Trench

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	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	0	0	<2.0	6.7	0	0	<2.0	0	0	3.2	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	0	0	1	6.7	0	0	1	0	0	3.2	0	0	6.7
Total Iron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	0	0	370	3900	0	0	550	0	0	1300	0	0	3900
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	370	3900	0	0	550	0	0	1300	0	0	3900
Total Mercury	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	0	0	<0.013	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	0	0	2.9	12	0	0	3	0	0	5.5	0	0	12
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	2.9	12	0	0	3	0	0	5.5	0	0	12
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	<0.050	0.18	0	0	0.25	0	0	1.3	0	0	1.3
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	0.025	0.18	0	0	0.25	0	0	1.3	0	0	1.3
Orthophosphate	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	0	0	<0.010	<0.010	0	0	<0.010	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	0.005	0.005	0	0	0.005	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	0	0	3.7	16	0	0	9.5	0	0	15	0	0	16
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	3.7	16	0	0	9.5	0	0	15	0	0	16
pH	PH UNITS	# of Samples	0	0	1	1	1	1	1	1	1	1	1	0	9
pH	PH UNITS	Maximum	0	0	7.92	7.86	7.87	7.92	8.01	8.22	8.02	7.74	8.01	0	8.22
pH	PH UNITS	Minimum	0	0	7.92	7.86	7.87	7.92	8.01	8.22	8.02	7.74	8.01	0	7.74
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 5 CONTINUED: Atlantic Minerals Lower Cove 2018 HiCal Trench

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0	0	<0.0010	<0.0010	0	0	<0.0010	0	0	0.0013	0	0	0.0013
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	0.0005	0	0	0.0005	0	0	0.0013	0	0	0.0013
Total Selenium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Selenium	UG/L	Maximum	0	0	<1.0	<1.0	0	0	<1.0	0	0	<1.0	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	0.5	0.5	0	0	0.5	0	0	0.5	0	0	0.5
Sulphide	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Sulphide	MG/L	Maximum	0	0	<0.020	<0.020	0	0	<0.020	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	0.01	0.01	0	0	0.01	0	0	0.01	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Calculated TDS	MG/L	Maximum	0	0	170	150	0	0	190	0	0	200	0	0	200
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	170	150	0	0	190	0	0	200	0	0	200
Total Suspended Solids	MG/L	# of Samples	0	0	1	1	1	1	1	1	1	1	1	0	9
Total Suspended Solids	MG/L	Maximum	0	0	9.6	150	6	3.8	15	1.2	6.2	20	1.6	0	150
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	9.6	150	6	3.8	15	1.2	6.2	20	1.6	0	150
Total Zinc	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	0	0	17	39	0	0	15	0	0	26	0	0	39
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	17	39	0	0	15	0	0	26	0	0	39

TABLE 6: Atlantic Minerals Corner Brook 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	0	1	1	0	1	0	0	0	3
PH	PH UNITS	Maximum	0	0	0	0	0	8.28	8.46	0	8.37	0	0	0	8.46
PH	PH UNITS	Minimum	0	0	0	0	0	8.28	8.46	0	8.37	0	0	0	8.28
PH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7: Atlantic Minerals Corner Brook 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	0	1	1	0	1	0	0	0	3
PH	PH UNITS	Maximum	0	0	0	0	0	7.88	7.93	0	7.91	0	0	0	7.93
PH	PH UNITS	Minimum	0	0	0	0	0	7.88	7.93	0	7.91	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
MEASURED TDS	MG/L	# of Samples	0	0	0	0	0	1	1	0	1	0	0	0	3
MEASURED TDS	MG/L	Maximum	0	0	0	0	0	1000	1100	0	1100	0	0	0	1100
MEASURED TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	1	0	1	0	0	0	2
MEASURED TDS	MG/L	Monthly Average	0	0	0	0	0	1000	1100	0	1100	0	0	0	1100
TSS	MG/L	# of Samples	0	0	0	0	0	1	1	0	1	0	0	0	3
TSS	MG/L	Maximum	0	0	0	0	0	5.1	22	0	76	0	0	0	76
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	1	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0	0	76	0	0	0	76

TABLE 8: Beaver Brook 2018 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	1	0	1	1	0	1	0	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	1	0	1	1	0	1	0	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	1	0	1	1	0	1	0	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	1	0	1	1	0	1	0	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	4	4	5	4	5	4	4	5	4	5	4	4	52
Total Arsenic	UG/L	Maximum	137	185	106	232	167	98	113	173	115	119	246	82	246
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	122.25	152.5	94.6	185.25	112.8	94	109.25	134.4	101.75	97	160	75.5	185.25
Total Copper	UG/L	# of Samples	4	4	5	4	5	4	4	4	4	5	4	4	51
Total Copper	UG/L	Maximum	1	3	<1	1	1	<1	7	1	<1	2	1	3	7
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	0.6	1.9	0.5	0.9	0.8	0.5	2.1	0.6	0.5	0.9	0.9	1.5	2.1
Total Nickel	UG/L	# of Samples	4	4	5	4	5	4	4	5	4	5	4	4	52
Total Nickel	UG/L	Maximum	20	18	15	14	14	10	13	10	10	11	9	11	20
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	17.2	16.5	14.2	12.5	10.6	9.8	9.5	9.4	9	9.4	8.5	9.2	17.2
Total Lead	UG/L	# of Samples	4	4	5	4	5	4	4	4	4	5	4	4	51
Total Lead	UG/L	Maximum	0.8	7	2.1	13.6	8.6	0.7	<0.5	<0.5	0.6	0.8	9.9	0.8	13.6
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	0.5	4.1	0.87	9.475	3.04	0.45	0.25	0.25	0.34	0.47	5.4	0.64	9.48
pH	PH UNITS	# of Samples	4	4	5	4	5	4	4	5	4	5	4	4	52
pH	PH UNITS	Maximum	8.16	8.14	8.18	8.15	8.31	8.29	8.39	8.45	8.46	8.41	8.23	8.13	8.46
pH	PH UNITS	Minimum	8.06	7.98	8.10	7.80	7.93	8.10	8.01	8.31	8.11	7.94	8.01	8.08	7.80
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	1	0	0	1	1	1	0	1	0	1	6
Radium-226	BQ/L	Maximum	0	0	0.009	0	0	0.008	<0.005	<0.005	0	<0.005	0	0.007	0.009
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0.009	0	0	0.008	0.0025	0.0025	0	0.0025	0	0.007	0.009

TABLE 8 CONTINUED: Beaver Brook 2018 Site 16

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	5	4	4	4	4	5	4	4	51
Total Suspended Solids	MG/L	Maximum	<2	13	5	24	22	3	2	<2	<2	6	18	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	0.875	7	2.8	16.5	9.4	1.75	1.25	1	1	2.4	9.75	1.25	16.5
Total Zinc	UG/L	# of Samples	4	4	5	4	5	4	4	4	4	5	4	4	51
Total Zinc	UG/L	Maximum	7	11	8	7	6	8	6	<5	<5	7	5	7	11
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5.75	8.5	7.8	6.25	3.2	3.875	3.375	2.5	2.5	4.3	3.125	6.5	8.5

TABLE 9: Canada Fluorspar Incorporated 2018 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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Silver	MG/L	Maximum	0.0002	0.0002	<0.00025	<0.0001	<0.0001	<0.00025	0.0001	<0.0001	<0.00025	0.0004	0.0002	<0.00025	0.0004
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	9E-05	8E-05	7E-05	5E-05	0.00005	7E-05	6E-05	5E-05	6.5E-05	0.00015	9E-05	6.9E-05	0.0002
Total Arsenic	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Arsenic	MG/L	Maximum	0.004	0.013	0.005	0.006	0.004	0.004	0.01	0.011	0.013	0.01	0.012	0.007	0.013
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	0.003	0.005	0.003	0.005	0.003	0.003	0.007	0.008	0.011	0.007	0.007	0.004	0.011
Total Barium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Barium	MG/L	Maximum	0.019	0.035	0.029	0.038	0.033	0.014	0.088	0.06	0.029	0.073	0.094	0.07	0.094
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	0.018	0.022	0.022	0.033	0.018	0.013	0.040	0.046	0.026	0.050	0.062	0.049	0.062
Total Boron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Boron	MG/L	Maximum	0.008	0.007	0.012	0.007	0.009	0.01	0.018	0.017	0.014	0.014	0.013	0.009	0.018
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	0.007	0.007	0.006	0.005	0.007	0.008	0.012	0.013	0.010	0.012	0.010	0.008	0.013
Total Cadmium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Cadmium	MG/L	Maximum	0.0002	0.0004	0.0002	0.0003	0.0002	0.0004	0.0009	0.0006	0.00019	0.00076	0.0009	0.0006	0.0009
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	0.0002	0.0002	0.0002	0.0003	0.0001	0.0001	0.0004	0.0004	0.0002	0.0005	0.0005	0.0004	0.0005
Total Chromium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Chromium	MG/L	Maximum	0.002	0.003	0.002	0.003	0.003	0.002	0.003	0.003	0.007	0.003	0.006	0.003	0.007
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	0.001	0.002	0.001	0.003	0.001	0.001	0.002	0.0018	0.002	0.002	0.004	0.002	0.004
Total Copper	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Copper	MG/L	Maximum	0.004	0.01	0.005	0.011	0.008	0.011	0.024	0.017	0.007	0.02	0.027	0.018	0.027
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	0.003	0.005	0.005	0.010	0.003	0.003	0.010	0.010	0.004	0.013	0.017	0.011	0.017
Total Iron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Iron	MG/L	Maximum	1.72	5.8	1.64	3.96	2.86	1.29	4.47	4.43	5.89	5.93	7.1	4.72	7.1
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	2.15	1.47	3.28	1.54	1.11	2.57	3.23	4.32	3.73	4.67	1.71	4.66

TABLE 9 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nickel	MG/L	Maximum	0.002	0.004	<0.002	0.003	0.003	0.002	0.007	0.004	0.002	0.004	0.006	0.008	0.008
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.002	0.001	0.003	0.001	0.001	0.003	0.003	0.002	0.003	0.004	0.003	0.004
Ammonium+Ammonia, Total	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Ammonium+Ammonia, Total	MG/L	Maximum	0.2	0.09	0.25	0.06	0.14	0.12	0.67	0.19	0.07	0.22	0.16	0.16	0.67
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	0.09	0.08	0.09	0.04	0.05	0.04	0.19	0.06	0.05	0.12	0.09	0.11	0.19
Total Nitrate	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nitrate	MG/L	Maximum	0.42	0.26	0.13	0.13	0.25	0.13	1.57	1.53	1.12	1.98	0.95	0.79	1.98
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	0.33	0.17	0.09	0.10	0.14	0.07	0.50	0.81	0.30	1.10	0.80	0.60	1.10
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	<0.01	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	0.005	0.005
Total Lead	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Lead	MG/L	Maximum	0.0126	0.0692	0.0338	0.0557	0.0362	0.0339	0.165	0.0674	0.0055	0.143	0.16	0.0867	0.165
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	0.0108	0.0266	0.0265	0.0485	0.0111	0.0098	0.0556	0.0387	0.0044	0.0711	0.1042	0.0534	0.1042
pH	PH UNITS	# of Samples	4	5	5	4	5	5	5	5	5	4	5	4	56
pH	PH UNITS	Maximum	5.92	6.51	6.24	6	6.12	6.41	7.21	7.41	6.91	7.83	6.92	7.8	7.83
pH	PH UNITS	Minimum	5.65	5.62	5.65	5.64	5.44	5.13	5.49	5.61	5.6	5.43	6.1	6.14	5.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	1	2	1	0	0	1	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	0.001	0	0	0.002	0	0	<0.001	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0005	0	0	0.001	0	0	0.002	0	0	0.0005	0.002

TABLE 9 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Selenium	MG/L	Maximum	0.002	<0.001	0.004	0.003	<0.001	<0.001	0.001	0.002	0.001	0.001	0.003	0.001	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	0.0009	0.0005	0.0012	0.0013	0.0005	0.0005	0.0006	0.0010	0.0006	0.0009	0.0012	0.0008	0.0013
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	<0.05	0	0	<0.05	0	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.025	0	0	0.025	0	0	0.025	0	0	0.025	0.025
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	39	0	0	30	0	0	51	0	0	99	99
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	39	0	0	30	0	0	51	0	0	99	99
TDS Measured	MG/L	# of Samples	4	5	4	4	5	4	4	5	4	4	5	3	51
TDS Measured	MG/L	Maximum	174	174	132	72	112	76	122	128	100	200	140	100	200
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	75.5	57.6	101	54.5	83.6	50	83.5	116.8	78.5	140	100	80	140
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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Suspended Solids	MG/L	Maximum	7	100	30	56	17	<5	32	15	21	69	117	41	117
Total Suspended Solids	MG/L	Exceedance(>30)	0	1	0	2	0	0	1	0	0	1	4	2	11
Total Suspended Solids	MG/L	Monthly Average	3.6	23.6	11	33.8	5.4	2.5	17.9	9.3	6.7	26.9	73	23.5	73
Total Zinc	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Zinc	MG/L	Maximum	0.04	0.11	0.072	0.133	0.089	0.124	0.266	0.161	0.024	0.172	0.217	0.162	0.266
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	0.035	0.062	0.059	0.116	0.037	0.042	0.097	0.078	0.019	0.095	0.137	0.0978	0.137

TABLE 10: Canada Fluorspar Incorporated 2018 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Silver	MG/L	Maximum	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	0.0003	<0.0001	0.0004	0.0004
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	5E-05	5E-05	7E-05	5E-05	5E-05	7E-05	5E-05	5E-05	6.5E-05	0.0002	5E-05	0.0002	0.0002
Total Arsenic	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Arsenic	MG/L	Maximum	<0.002	0.004	0.002	<0.002	0.002	0.003	0.003	0.005	0.003	0.006	0.002	0.007	0.007
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	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.0034	0.002	0.003	0.001	0.004	0.004
Total Barium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Barium	MG/L	Maximum	0.013	0.02	0.018	0.015	0.016	0.013	0.013	0.014	0.02	0.03	0.019	0.034	0.034
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	0.009	0.014	0.012	0.011	0.011	0.011	0.010	0.013	0.013	0.018	0.015	0.023	0.023
Total Boron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Boron	MG/L	Maximum	0.008	0.008	0.01	0.007	0.009	0.01	0.013	0.013	0.012	0.012	0.01	0.011	0.013
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	0.006	0.007	0.007	0.007	0.008	0.009	0.011	0.012	0.010	0.012	0.008	0.009	0.012
Total Cadmium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Cadmium	MG/L	Maximum	0.0004	0.0005	0.0004	0.0003	0.00042	0.0004	0.0005	0.0003	0.00028	0.0007	0.0005	0.00101	0.001
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	0.0003	0.0003	0.00035	0.0003	0.0003	0.0003	0.0001	0.0004	0.0004	0.0006	0.0006
Total Chromium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Chromium	MG/L	Maximum	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.003	0.003
Total Copper	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Copper	MG/L	Maximum	0.003	0.011	0.007	0.007	0.024	0.011	0.011	0.01	0.01	0.028	0.009	0.033	0.033
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.002	0.006	0.005	0.005	0.009	0.008	0.009	0.007	0.006	0.014	0.008	0.018	0.018
Total Iron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Iron	MG/L	Maximum	1.18	2.40	1.44	1.32	1.23	1.09	1.09	3.32	2.96	1.53	0.9	1.63	3.32
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	0.62	1.07	0.70	0.67	0.67	0.74	0.89	2.28	1.62	0.10	0.64	1.24	2.28

TABLE 10 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nickel	MG/L	Maximum	0.002	0.003	0.003	0.008	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.003	0.008
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0013	0.0016	0.0014	0.0028	0.0016	0.0014	0.002	0.002	0.0014	0.00125	0.0014	0.00175	0.0028
Ammonium+Ammonia, Total	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Ammonium+Ammonia, Total	MG/L	Maximum	0.08	0.08	0.64	0.05	0.05	<0.05	<0.05	<0.05	0.07	0.15	0.16	0.1	0.64
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	0.05	0.048	0.162	0.0313	0.03	0.025	0.025	0.025	0.044	0.07625	0.081	0.05	0.162
Total Nitrate	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nitrate	MG/L	Maximum	0.38	0.73	0.42	0.47	0.39	0.63	0.27	0.34	0.51	0.63	0.62	0.62	0.73
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	0.3575	0.56	0.346	0.1925	0.18	0.281	0.12	0.099	0.122	0.30375	0.466	0.5275	0.56
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	1.12	0	0	<0.01	0	0	<0.01	0	0	0.01	1.12
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	1	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Monthly Average	0	0	1.12	0	0	0.005	0	0	0.005	0	0	0.01	1.12
Total Lead	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Lead	MG/L	Maximum	0.0111	0.0624	0.0361	0.0223	0.0356	0.027	0.0316	0.0287	0.0397	0.131	0.04	0.0719	0.131
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	0.0069	0.0293	0.019	0.0149	0.01826	0.0157	0.0206	0.0215	0.0181	0.05263	0.0298	0.05498	0.055
pH	PH UNITS	# of Samples	4	5	5	4	5	5	5	5	5	4	5	4	56
pH	PH UNITS	Maximum	5.27	5.58	5.53	5.78	6.1	6.42	6.55	6.21	6.56	6.3	6.25	7.17	7.17
pH	PH UNITS	Minimum	4.81	5.31	4.98	4.94	5.65	5.2	5.39	5.33	5.33	5.21	5.62	5.25	4.81
pH	PH UNITS	Exceedance(<5.5,>9.0)	4	4	4	2	0	1	2	1	1	1	0	2	22
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	0.001	0	0	0.005	0	0	<0.001	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	0.001	0	0	0.005	0	0	0.0005	0.005

TABLE 10 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Selenium	MG/L	Maximum	<0.001	<0.001	0.002	0.001	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0005	0.0005	0.0008	0.0006	0.0005	0.0006	0.0006	0.0008	0.0011	0.00063	0.0007	0.0009	0.0011
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	<0.05	0	0	<0.05	0	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.025	0	0	0.025	0	0	0.025	0	0	0.025	0.025
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	37	0	0	45	0	0	52	0	0	74	74
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	37	0	0	45	0	0	52	0	0	74	74
TDS Measured	MG/L	# of Samples	4	5	4	4	5	4	4	5	4	4	5	3	51
TDS Measured	MG/L	Maximum	128	176	144	96	116	108	134	122	110	200	180	160	200
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	68	74.8	118.5	52.6	102.8	82	83.5	110.4	86.5	150	124	133.3	150
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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Suspended Solids	MG/L	Maximum	9	20	12	14	9	5	10	10	16	10	28	12	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	5.3	6.5	4.4	6.6	3.8	3	5.3	7.4	7.6	6.3	13.4	8.6	13.4
Total Zinc	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Zinc	MG/L	Maximum	0.098	0.178	0.11	0.092	0.117	0.104	0.126	0.105	0.105	0.212	0.121	0.307	0.307
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	0.088	0.123	0.087	0.079	0.101	0.079	0.092	0.074	0.045	0.125	0.101	0.180	0.180

TABLE 11: Canada Fluorspar Incorporated 2018 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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Silver	MG/L	Maximum	<0.0001	<0.0001	<0.00025	<0.0001	0.0005	<0.00025	0.0001	<0.0001	<0.00025	0.0001	0.0004	<0.00025	0.0005
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Arsenic	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Arsenic	MG/L	Maximum	0.004	0.006	0.012	0.003	0.076	0.003	0.007	<0.002	0.002	0.005	0.01	0.002	0.076
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.002	0.005	0.006	0.002	0.016	0.002	0.004	0.001	0.001	0.003	0.003	0.002	0.016
Total Barium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Barium	MG/L	Maximum	0.045	0.072	0.091	0.053	0.461	0.052	0.081	0.04	0.055	0.064	0.086	0.052	0.461
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	0.031	0.062	0.064	0.040	0.123	0.043	0.058	0.038	0.042	0.049	0.052	0.042	0.123
Total Boron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Boron	MG/L	Maximum	0.009	0.009	0.009	0.007	0.011	0.01	0.014	0.013	0.011	0.013	0.012	0.011	0.014
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.006	0.008	0.008	0.007	0.009	0.009	0.011	0.012	0.011	0.012	0.010	0.009	0.012
Total Cadmium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Cadmium	MG/L	Maximum	0.0006	0.0008	0.0011	0.0004	0.0040	0.0005	0.0009	0.0002	0.0003	0.0006	0.0014	0.0004	0.0040
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	0.0006	0.0006	0.0003	0.0010	0.0003	0.0005	0.0002	0.0002	0.0004	0.0005	0.0003	0.0010
Total Chromium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Chromium	MG/L	Maximum	0.004	0.005	0.007	0.002	0.033	0.001	0.004	0.001	0.001	0.002	0.003	0.002	0.033
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	0.001875	0.0038	0.004	0.001125	0.0073	0.0008	0.002	0.0009	0.0008	0.001	0.0016	0.001	0.0073
Total Copper	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Copper	MG/L	Maximum	0.022	0.026	0.051	0.013	0.195	0.014	0.03	0.007	0.013	0.016	0.038	0.009	0.195
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	0.009	0.020	0.026	0.007	0.043	0.009	0.015	0.005	0.005	0.011	0.013	0.007	0.043
Total Iron	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Iron	MG/L	Maximum	2.02	5.16	5.91	1.71	34.30	1.20	2.47	0.65	0.81	1.57	1.60	0.64	34.30
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Iron	MG/L	Monthly Average	1.11	3.59	3.08	0.84	7.33	0.82	1.36	0.53	0.46	0.86	0.89	0.52	7.33

TABLE 11 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nickel	MG/L	Maximum	0.003	0.005	0.009	0.004	0.042	0.005	0.005	0.002	0.003	0.003	0.027	<0.002	0.042
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	0.002	0.005	0.005	0.002	0.009	0.002	0.003	0.001	0.001	0.002	0.007	0.001	0.009
Ammonium+Ammonia, Total	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Ammonium+Ammonia, Total	MG/L	Maximum	0.09	0.12	2.37	0.07	0.11	0.07	<0.05	<0.05	0.07	0.07	0.09	0.98	2.37
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	1	0	0	0	0	0	0	0	0	0	1
Ammonium+Ammonia, Total	MG/L	Monthly Average	0.04	0.09	0.51	0.04	0.06	0.03	0.03	0.03	0.05	0.05	0.06	0.32	0.51
Total Nitrate	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Nitrate	MG/L	Maximum	1.74	2.59	1.75	2.56	3.96	3.09	2.86	2.22	3.26	2.42	3.35	2.45	3.96
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	1.45	1.47	1.08	2.32	2.84	2.29	2.28	1.88	2.16	2.33	2.33	1.54	2.84
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.9	0	0	<0.01	0	0	<0.01	0	0	<0.01	0.9
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	1	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Monthly Average	0	0	0.9	0	0	0.005	0	0	0.005	0	0	0.005	0.9
Total Lead	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Lead	MG/L	Maximum	0.147	0.210	0.350	0.088	1.110	0.127	0.294	0.036	0.047	0.133	0.220	0.057	1.110
Total Lead	MG/L	Exceedance(>0.2)	0	1	2	0	1	0	1	0	0	0	1	0	6
Total Lead	MG/L	Monthly Average	0.060	0.135	0.168	0.046	0.237	0.063	0.130	0.022	0.016	0.069	0.073	0.040	0.237
pH	PH UNITS	# of Samples	4	5	5	4	5	5	5	5	5	4	5	4	56
pH	PH UNITS	Maximum	6.79	6.92	7.33	6.71	6.83	7.38	7.32	6.65	7.45	6.76	7.38	7.58	7.58
pH	PH UNITS	Minimum	6.40	6.70	6.44	6.23	6.44	6.26	6.12	6.12	6.12	6.25	6.25	6.18	6.12
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	<0.001	0	0	<0.001	0	0	<0.001	0	0	<0.001	<0.001
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0005	0	0	0.0005	0	0	0.0005	0	0	0.0005	0.0005

TABLE 11 CONTINUED: Canada Fluorspar Incorporated 2018 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Selenium	MG/L	Maximum	<0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.002
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0005	0.0007	0.0011	0.0006	0.0008	0.0007	0.0008	0.0008	0.0008	0.0006	0.0009	0.0009	0.0011
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	<0.05	0	0	<0.05	0	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.025	0	0	0.025	0	0	0.025	0	0	0.025	0.025
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	134	0	0	93	0	0	93	0	0	94	134
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	134	0	0	93	0	0	93	0	0	94	134
TDS Measured	MG/L	# of Samples	4	5	4	4	5	4	4	5	4	4	5	3	51
TDS Measured	MG/L	Maximum	136	202	182	148	190	128	144	150	144	180	140	120	202
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	91.5	102.0	156.5	119.5	158.8	116.5	123.5	134.0	119.0	155.0	108.0	113.3	158.8
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	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Suspended Solids	MG/L	Maximum	11	44	142	13	860	9	43	<5	11	26	36	9	860
Total Suspended Solids	MG/L	Exceedance(>30)	0	3	2	0	1	0	1	0	0	0	1	0	8
Total Suspended Solids	MG/L	Monthly Average	5.5	31.4	63.8	7.4	175.3	5.4	18.9	2.5	4.2	11.5	14.6	6.4	175.3
Total Zinc	MG/L	# of Samples	4	5	5	4	5	5	4	5	5	4	5	4	55
Total Zinc	MG/L	Maximum	0.111	0.145	0.251	0.088	1.34	0.099	0.211	0.039	0.044	0.144	0.412	0.069	1.34
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Monthly Average	0.056	0.121	0.128	0.046	0.290	0.057	0.100	0.024	0.019	0.073	0.118	0.051	0.290

TABLE 12: Carino 2018 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Silver	UG/L	Maximum	0	0	<0.10	<0.10	0	0	<0.10	0	<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	0	0.05	0.05	0	0	0.05	0	0.05	0.05	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Arsenic	UG/L	Maximum	0	0	<1.0	<1.0	0	0	<1.0	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	0	0.5	0.5	0	0	0.5	0	0.5	0.5	0.5	0.5	0.5
Total Barium	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Barium	UG/L	Maximum	0	0	<1.0	5.4	0	0	11	0	13	<1.0	15	<1.0	15
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0.5	5.4	0	0	5.75	0	13	0.5	15	0.5	15
Total Boron	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Boron	UG/L	Maximum	0	0	<50	<50	0	0	2100	0	2200	570	1900	<50	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	0	0	25	25	0	0	1465	0	2200	570	1900	25	2200
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	4	2	0	2	2	0	2	5	3	2	22
Biochemical Oxygen Demand	MG/L	Maximum	0	0	620	570	0	680	610	0	640	740	910	340	910
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	4	2	0	2	2	0	2	5	3	2	22
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	362.5	375	0	590	495	0	475	534	686.7	300	686.7
Total Cadmium	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Cadmium	UG/L	Maximum	0	0	<0.010	0.05	0	0	<0.010	0	0.15	<0.010	0.14	0.12	0.15
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.005	0.05	0	0	0.005	0	0.15	0.005	0.14	0.12	0.15
Total Chromium	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Chromium	UG/L	Maximum	0	0	31	29	0	0	33	0	20	20	63	61	63
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	31	29	0	0	32.5	0	20	20	63	61	63
Total Copper	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Copper	UG/L	Maximum	0	0	69	18	0	0	<2.0	0	<2.0	<2.0	<2.0	<2.0	69
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	69	18	0	0	1	0	1	1	1	1	69

TABLE 12 CONTINUED: Carino 2018 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	0	0	5	3	0	2	4	0	3	6	4	3	30
Total Iron	UG/L	Maximum	0	0	10000	190000	0	12000	6600	0	15000	3900	2200	5400	190000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	2	0	1	0	0	1	0	0	0	4
Total Iron	UG/L	Monthly Average	0	0	6170	98033.3	0	9250	4300	0	6633.3	2833.3	1950	2453.3	98033.3
Total Mercury	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Mercury	UG/L	Maximum	0	0	<0.013	0.08	0	0	0.025	0	0.042	0.015	0.038	<0.013	0.08
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	0.08	0	0	0.021	0	0.042	0.015	0.038	0.0065	0.08
Total Nickel	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Nickel	UG/L	Maximum	0	0	71	31	0	0	37	0	31	<2.0	<2.0	27	71
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	71	31	0	0	31	0	31	1	1	27	71
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	5	3	0	2	4	0	3	6	4	3	30
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	1.9	26	0	12	7.2	0	5	2.8	2.2	2.7	26
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	3	0	2	4	0	1	1	2	1	14
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	1.2	11	0	7.8	6.0	0	2.5	1.9	1.8	1.7	11
Orthophosphate	MG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Orthophosphate	MG/L	Maximum	0	0	<0.010	<0.010	0	0	<0.010	0	<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	0	0.005	0.005	0	0	0.005	0	0.005	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Lead	UG/L	Maximum	0	0	<0.50	18	0	0	<0.50	0	5	<0.50	<0.50	<0.50	18
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	18	0	0	0.25	0	5	0.25	0.25	0.25	18
pH	PH UNITS	# of Samples	0	0	5	3	0	2	4	0	3	6	4	3	30
pH	PH UNITS	Maximum	0	0	9.73	11.1	0	8.05	7.95	0	8.07	8.03	8.03	6.98	11.1
pH	PH UNITS	Minimum	0	0	6.89	6.8	0	7.31	7.1	0	6.88	6.12	7.32	6.96	6.12
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	1	1	0	0	0	0	0	0	0	0	2
Phenolics	MG/L	# of Samples	0	0	5	3	0	2	4	0	3	6	4	3	30
Phenolics	MG/L	Maximum	0	0	0.73	0.11	0	0.62	4.7	0	5.9	7.7	10	5.1	10
Phenolics	MG/L	Exceedance(>0.1)	0	0	5	1	0	2	4	0	3	6	4	3	28
Phenolics	MG/L	Monthly Average	0	0	0.5	0.0	0.0	0.5	2.5	0.0	5.2	4.4	7.6	2.5	7.6

TABLE 12 CONTINUED: Carino 2018 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Selenium	UG/L	Maximum	0	0	<1.0	1.6	0	0	<1.0	0	<1.0	<1.0	<1.0	<1.0	1.6
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0.5	1.6	0	0	0.5	0	0.5	0.5	0.5	0.5	1.6
Sulphide	MG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Sulphide	MG/L	Maximum	0	0	0.08	0.065	0	0	<0.020	0	<0.020	<0.020	<0.020	<0.020	0.08
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	0.08	0.065	0	0	0.01	0	0.01	0.01	0.01	0.01	0.08
Calculated TDS	MG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Calculated TDS	MG/L	Maximum	0	0	7700	480	0	0	24000	0	24000	9100	22000	6200	24000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	1	0	0	0	2	0	1	1	1	1	7
Calculated TDS	MG/L	Monthly Average	0	0	7700	480	0	0	16850	0	24000	9100	22000	6200	24000
Total Oil and Grease	MG/L	# of Samples	0	0	4	2	0	2	2	0	2	5	3	2	22
Total Oil and Grease	MG/L	Maximum	0	0	36	99	0	36	12	0	36	26	12	7.6	99
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	3	1	0	2	0	0	2	2	0	0	10
Total Oil and Grease	MG/L	Monthly Average	0	0	27.3	52.5	0.0	35.0	11.5	0.0	30.0	13.6	9.8	6.7	52.5
Total Suspended Solids	MG/L	# of Samples	0	0	5	3	0	2	4	0	3	6	4	3	30
Total Suspended Solids	MG/L	Maximum	0	0	71	680	0	40	24	0	48	47	37	48	680
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	1	3	0	1	0	0	1	2	1	1	10
Total Suspended Solids	MG/L	Monthly Average	0	0	23.7	359.7	0	29.5	14.8	0	28.3	22.2	25.8	20.3	359.7
Total Zinc	UG/L	# of Samples	0	0	1	1	0	0	2	0	1	1	1	1	8
Total Zinc	UG/L	Maximum	0	0	81	120	0	0	<5.0	0	77	<5.0	51	<5.0	120
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	81	120	0	0	2.5	0	77	2.5	51	2.5	120

TABLE 13: Central Regional Service Board 2018 SW9

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	0	2	0	1	0	0	1	9
Total Silver	UG/L	Maximum	<0.10	<0.10	<0.10	<0.10	<0.10	0	<0.10	0	<0.10	0	0	<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	0.05	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Arsenic	UG/L	Maximum	5	3.7	4.1	5.1	3.7	0	7.5	0	13	0	0	<1.0	13
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	5	3.7	4.1	5.1	3.7	0	6.65	0	13	0	0	0.5	13
Total Barium	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Barium	UG/L	Maximum	200	110	140	140	140	0	230	0	210	0	0	130	230
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	200	110	140	140	140	0	210	0	210	0	0	130	210
Total Boron	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Boron	UG/L	Maximum	1400	460	760	890	550	0	880	0	1100	0	0	<50	1400
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	1400	460	760	890	550	0	835	0	1100	0	0	25	1400
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	7	<2.0	<2.0	6.2	9	9.2	16	0	0	0	7.1	39	39
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	1	1
Biochemical Oxygen Demand	MG/L	Monthly Average	7	1	1	6.2	9	9.2	16	0	0	0	7.1	39	39
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Cadmium	UG/L	Maximum	0.024	0.026	0.037	0.018	0.013	0	0.023	0	<0.010	0	0	0.011	0.037
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	0.024	0.026	0.037	0.018	0.013	0	0.021	0	0.005	0	0	0.011	0.037
Total Chromium	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Chromium	UG/L	Maximum	4	4.3	4.5	5.1	3.8	0	3.8	0	2.6	0	0	<1.0	5.1
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	4	4.3	4.5	5.1	3.8	0	3.5	0	2.6	0	0	0.5	5.1
Total Copper	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Copper	UG/L	Maximum	2.7	5	5.2	4	2.6	0	2.5	0	<2.0	0	0	<2.0	5.2
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	2.7	5	5.2	4	2.6	0	2.35	0	1	0	0	1	5.2

TABLE 13 CONTINUED: Central Regional Service Board 2018 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	1	1	1	1	2	1	2	0	1	0	1	2	13
Total Iron	UG/L	Maximum	320	1600	690	820	250	160	360	0	480	0	470	1100	1600
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	320	1600	690	820	250	160	330	0	480	0	470	645	1600
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	<0.013	0	0	0.017	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0.0065	0	0	0.017	0.017
Total Nickel	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Nickel	UG/L	Maximum	38	16	22	26	16	0	22	0	26	0	0	<2.0	38
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	38	16	22	26	16	0	21	0	26	0	0	1	38
Ammonium+Ammonia, Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Ammonium+Ammonia, Total	MG/L	Maximum	0	0	0	0	39	0	23	0	0.89	0	0	0.97	39
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	0	0	0	0	2
Ammonium+Ammonia, Total	MG/L	Monthly Average	0	0	0	0	39	0	23	0	0.89	0	0	0.97	39
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0	0	0.029	0	<0.010	0	<0.010	0	0	<0.010	0.029
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	0.029	0	0.005	0	0.005	0	0	0.005	0.029
Total Lead	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Lead	UG/L	Maximum	<0.50	3.2	0.59	<0.50	<0.50	0	<0.50	0	<0.50	0	0	<0.50	3.2
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	0.25	3.2	0.59	0.25	0.25	0	0.25	0	0.25	0	0	0.25	3.2
pH	PH UNITS	# of Samples	1	1	1	1	2	1	2	0	1	0	1	2	13
pH	PH UNITS	Maximum	8.12	7.9	8.24	8.03	8.07	8.18	8.3	0	8.29	0	7.96	7.94	8.3
pH	PH UNITS	Minimum	8.12	7.9	8.24	8.03	7.82	8.18	8.19	0	8.29	0	7.96	7.87	7.82
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	2	0	0	1	5
Phenolics	MG/L	Maximum	0	0	0	0	0.0035	0	0.0043	0	0.0011	0	0	<0.0010	0.0043
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	0.0035	0	0.0043	0	0.0011	0	0	0.0005	0.0043

TABLE 13 CONTINUED: Central Regional Service Board 2018 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Selenium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0	0	<1.0	0	0	<1.0	<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	0.5	0.5	0.5	0.5	0.5	0	0.5	0	0.5	0	0	0.5	0.5
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	2	0	0	1	5
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	<0.020	0	<0.020	0	0	<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	0	0	0	0.01	0	0.01	0	0.01	0	0	0.01	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	0	0	620	0	800	0	830	0	0	210	830
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	620	0	800	0	830	0	0	210	830
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	2	1	2	0	1	0	1	2	13
Total Suspended Solids	MG/L	Maximum	4	13	20	10	7.2	11	6.5	0	5	0	9	32	32
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	4	13	20	10	5.15	11	5.95	0	5	0	9	18.7	20
Total Zinc	UG/L	# of Samples	1	1	1	1	1	0	2	0	1	0	0	1	9
Total Zinc	UG/L	Maximum	24	350	410	140	12	0	300	0	27	0	0	17	410
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	24	350	410	140	12	0	154.35	0	27	0	0	17	410

TABLE 14: City of St. John's - Robin Hood Bay Landfill 2018 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	1500	0	0	1600	0	0	1900	0	0	1700	0	0	1900
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	1500	0	0	1600	0	0	1900	0	0	1700	0	0	1900
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.031	0	0	0.011	0	0	<0.010	0	0	0.014	0	0	0.031
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.031	0	0	0.011	0	0	0.005	0	0	0.014	0	0	0.031
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	4.7	0	0	18	0	0	<1.0	0	0	5.1	0	0	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	4.7	0	0	18	0	0	0.5	0	0	5.1	0	0	18
Total Hexavalent Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Hexavalent Chromium	UG/L	Maximum	<0.50	0	0	<0.50	0	0	<0.50	0	0	0.56	0	0	0.56
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	0.25	0	0	0.25	0	0	0.56	0	0	0.56
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	4.8	0	0	<2.0	0	0	<2.0	0	0	2.2	0	0	4.8
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	4.8	0	0	1	0	0	1	0	0	2.2	0	0	4.8
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	15000	0	0	20000	0	0	25000	0	0	22000	0	0	25000
Total Iron	UG/L	Exceedance(>15000)	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Iron	UG/L	Monthly Average	15000	0	0	20000	0	0	25000	0	0	22000	0	0	25000
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	11	0	0	12	0	0	<2.0	0	0	13	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	11	0	0	12	0	0	1	0	0	13	0	0	13

TABLE 14 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2018 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	<0.010	0	0	<0.010	0	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	0.005	0	0	0.005	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	0.55	0	0	<0.50	0	0	<0.50	0	0	<0.50	0	0	0.55
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	0.55	0	0	0.25	0	0	0.25	0	0	0.25	0	0	0.55
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.17	0	0	7.21	0	0	7.11	0	0	7.25	0	0	7.25
pH	PH UNITS	Minimum	7.17	0	0	7.21	0	0	7.11	0	0	7.25	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
Phenolics	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0.014	0	0	0.016	0	0	<0.0010	0	0	0.0036	0	0	0.016
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.014	0	0	0.016	0	0	0.0005	0	0	0.0036	0	0	0.016
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0.18	0	0	0.22	0	0	0.46	0	0	0.25	0	0	0.46
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	0.18	0	0	0.22	0	0	0.46	0	0	0.25	0	0	0.46
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	42	0	0	52	0	0	65	0	0	68	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	42	0	0	52	0	0	65	0	0	68	0	0	68
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	30	0	0	21	0	0	<5.0	0	0	20	0	0	30
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	30	0	0	21	0	0	2.5	0	0	20	0	0	30

TABLE 15: Corner Brook Pulp and Paper 2018 East Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	6	5	4	4	5	4	4	5	4	5	55
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	6	5	4	4	5	4	4	5	4	5	55
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.18	0	0	7.67	0	0	7.45	0	0	7.6	0	0	7.67
pH	PH UNITS	Minimum	7.18	0	0	7.67	0	0	7.45	0	0	7.6	0	0	7.18
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 16: Corner Brook Pulp and Paper 2018 Effluent Treatment

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	6	5	4	4	5	4	4	5	4	5	55
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	6	5	4	4	5	4	4	5	4	5	55
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.63	0	0	7.25	0	0	7.32	0	0	7.37	0	0	7.63
pH	PH UNITS	Minimum	7.63	0	0	7.25	0	0	7.32	0	0	7.37	0	0	7.25
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 2018 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	10.5	11.1	10.4	10.4	10.9	11.2	7.4	10.9	9.8	12.4	23.8	14.4	23.8
TSS	Tonnes/ Day	Exceedance (>15.66)	0	0	0	0	0	0	0	0	0	0	1	0	1
TSS	Tonnes/ Day	Average	4.9	5.5	4.4	3.5	4.3	2.8	3.3	3.5	3.4	5.4	3.8	6.1	6.1
TSS	Tonnes/ Day	Exceedance (>9.39)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	14	12	13	12	15	12	13	14	12	14	13	12	156
BOD	Tonnes/ Day	Maximum	1.7	2.0	1.8	1.1	1.8	0.9	0.6	0.9	4.9	4.0	4.9	2.9	4.9
BOD	Tonnes/ Day	Exceedance (>10.44)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	0.9	1.3	0.9	0.6	1.0	0.4	0.4	0.5	2.7	2.0	1.3	1.5	2.7
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) 2018 Post DAF Sampling

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Boron	UG/L	Maximum	<50	0	<50	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	25	0	25	0	0	25	0	0	0	25	0	0	25
BOD/ CBOD	MG/L	# of Samples	4	4	5	4	5	4	4	5	3	4	5	3	50
BOD/ CBOD	MG/L	Maximum	300	490	290	490	620	500	540	700	340	420	800	390	800
BOD/ CBOD	MG/L	Exceedance(>300)	0	3	0	3	5	3	1	1	2	2	5	2	27
BOD/ CBOD	MG/L	Monthly Average	280	425	250	380	483.3	367.5	275	282	283.3	315	574	333.3	574
Total Cadmium	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.029	0	0.045	0	0	0.025	0	0	0	<0.010	0	0	0.045
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	0.029	0	0.045	0	0	0.025	0	0	0	0.005	0	0	0.045
Total Chromium	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	3.8	0	3.8	0	0	2.1	0	0	0	<1.0	0	0	3.8
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	3.8	0	3.8	0	0	2.1	0	0	0	0.5	0	0	3.8
Total Copper	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Copper	UG/L	Maximum	90	0	110	0	0	84	0	0	0	74	0	0	110
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	90	0	110	0	0	84	0	0	0	74	0	0	110
Total Iron	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Iron	UG/L	Maximum	260	0	440	0	0	380	0	0	0	<50	0	0	440
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	260	0	440	0	0	380	0	0	0	25	0	0	440
Total Mercury	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	<0.013	0	<0.013	0	0	<0.013	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	0.007	0	0.007	0	0	0.007	0	0	0	0.007	0	0	0.007
Total Nickel	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	3.2	0	3.4	0	0	2.6	0	0	0	<2.0	0	0	3.4
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	3.2	0	3.4	0	0	2.6	0	0	0	1	0	0	3.4

CBOD was analysed instead of BOD.

TABLE 18 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2018 Post DAF Sampling

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	3.1	0	4.9	0	0	2.8	0	0	0	4.9	0	0	4.9
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	1	0	0	0	0	0	0	1	0	0	2
Orthophosphate	MG/L	Monthly Average	3.1	0	4.9	0	0	2.8	0	0	0	4.9	0	0	4.9
Total Lead	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Lead	UG/L	Maximum	<0.50	0	0.59	0	0	<0.50	0	0	0	<0.50	0	0	0.59
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	0.59	0	0	0.25	0	0	0	0.25	0	0	0.59
pH	PH UNITS	# of Samples	5	4	6	4	5	5	4	5	3	5	5	3	54
pH	PH UNITS	Maximum	6.92	6.57	6.82	6.83	6.62	6.87	6.73	6.71	6.9	6.81	6.68	6.6	6.92
pH	PH UNITS	Minimum	6.5	6.42	5.89	6.54	6.25	6.43	6.35	6.39	6.42	6.62	6.45	6.48	5.89
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	1	0	0	1	0	0	0	1	0	0	4
Phenolics	MG/L	Maximum	<0.0010	0	0.024	0	0	0.033	0	0	0	0.02	0	0	0.033
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0	0.024	0	0	0.033	0	0	0	0.02	0	0	0.033
Total Oil and Grease	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	5	3	49
Total Oil and Grease	MG/L	Maximum	120	130	88	140	200	200	80	190	59	81	350	79	350
Total Oil and Grease	MG/L	Exceedance(>100)	2	2	0	1	3	3	0	1	0	0	3	0	15
Total Oil and Grease	MG/L	Monthly Average	109.0	87.3	66.2	98.3	134.4	139.3	57.0	73.4	38.3	40.5	165.2	55.3	165.2
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	5	4	4	5	3	4	5	3	50
Total Suspended Solids	MG/L	Maximum	310	910	420	360	570	400	260	270	200	220	710	540	910
Total Suspended Solids	MG/L	Exceedance(>350)	0	2	1	1	3	2	0	0	0	0	3	1	13
Total Suspended Solids	MG/L	Monthly Average	287.5	437.5	256.0	287.5	404.0	330.0	170.0	176.0	154.3	161.5	396.0	376.7	437.5
Total Zinc	UG/L	# of Samples	1	0	1	0	0	1	0	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	61	0	190	0	0	91	0	0	0	86	0	0	190
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	61	0	190	0	0	91	0	0	0	86	0	0	190

TABLE 19: DJ Composites 2018 Effluent

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	0	0	0	1	1	0	1	4
Total Boron	UG/L	Maximum	0	0	1100	0	0	0	0	0	4200	700	0	1100	4200
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	1100	0	0	0	0	0	4200	700	0	1100	4200
CBOD	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
CBOD	MG/L	Maximum	0	0	<2.0	0	0	0	0	0	<2.0	13	0	<2.0	13
CBOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
CBOD	MG/L	Monthly Average	0	0	1	0	0	0	0	0	1	13	0	1	13
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Cadmium	UG/L	Maximum	0	0	<0.010	0	0	0	0	0	<0.010	<0.010	0	<0.010	<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	0.005	0	0	0	0	0	0.005	0.005	0	0.005	0.005
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Chromium	UG/L	Maximum	0	0	10	0	0	0	0	0	<1.0	17	0	11	17
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	10	0	0	0	0	0	0.5	17	0	11	17
Total Hexavalent Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Hexavalent Chromium	UG/L	Maximum	0	0	<0.50	0	0	0	0	0	<0.50	<0.50	0	<0.50	<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	0.25	0	0	0	0	0	0.25	0.25	0	0.25	0.25
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Copper	UG/L	Maximum	0	0	<2.0	0	0	0	0	0	<2.0	<2.0	0	<2.0	<2.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	1	0	0	0	0	0	1	1	0	1	1
Total Iron	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Iron	UG/L	Maximum	0	0	<50	0	0	0	0	0	<50	<50	0	<50	<50
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	25	0	0	0	0	0	25	25	0	25	25
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Mercury	UG/L	Maximum	0	0	<0.013	0	0	0	0	0	<0.013	<0.013	0	<0.013	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.007	0	0	0	0	0	0.007	0.007	0	0.007	0.007

CBOD was analysed instead of BOD.

TABLE 19 CONTINUED: DJ Composites 2018 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Nickel	UG/L	Maximum	0	0	<2.0	0	0	0	0	0	<2.0	<2.0	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	0	0	1	0	0	0	0	0	1	1	0	1	1
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.35	0	0	0	0	0	1.9	0.14	0	<0.010	1.9
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.35	0	0	0	0	0	1.9	0.14	0	0.005	1.9
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Lead	UG/L	Maximum	0	0	9.2	0	0	0	0	0	<0.50	17	0	14	17
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	9.2	0	0	0	0	0	0.25	17	0	14	17
pH	PH UNITS	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
pH	PH UNITS	Maximum	0	0	7.79	0	0	0	0	0	8.41	9	0	8.77	9
pH	PH UNITS	Minimum	0	0	7.79	0	0	0	0	0	8.41	9	0	8.77	7.79
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	1	1	0	1	4
Phenolics	MG/L	Maximum	0	0	0.051	0	0	0	0	0	0.016	<0.0010	0	0.0079	0.051
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	0.051	0	0	0	0	0	0.016	0.0005	0	0.0079	0.051
Total Oil and Grease	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Oil and Grease	MG/L	Maximum	0	0	11	0	0	0	0	0	1.7	1.7	0	7.2	11
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	0	11	0	0	0	0	0	1.7	1.7	0	7.2	11
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	2.4	0	0	0	0	0	0.45	0.3	0	2	2.4
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	0	2.4	0	0	0	0	0	0.45	0.3	0	2	2.4
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	1	0	1	4
Total Suspended Solids	MG/L	Maximum	0	0	<0.50	0	0	0	0	0	2	17	0	4.4	17
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0.25	0	0	0	0	0	2	17	0	4.4	17

TABLE 19 CONTINUED: DJ Composites 2018 Effluent

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	1	1	0	1	4
Total Zinc	UG/L	Maximum	0	0	130	0	0	0	0	0	79	59	0	96	130
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	130	0	0	0	0	0	79	59	0	96	130

TABLE 20: Department of Natural Resources (Buchans) 2018 PH1& PH2 Combined

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	<0.0001	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0.00005	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	0.001	0	0	0.001
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0	0	0	0	0.0	0.001	0	0.0	0.001
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.03	0	0	0	0	0.03	0	0	0.03
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0.03	0	0	0	0	0.03	0	0	0.03
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	0.01	0	0	0	0	0.01	0	0	0.01
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0.01	0	0	0	0	0.01	0	0	0.01
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0338	0	0	0	0	0.0412	0	0	0.0412
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	0.0338	0	0	0	0	0.0412	0	0	0.0412
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	<0.001	0	0	<0.001
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0.0005	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.09	0	0	0	0	0.11	0	0	0.11
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	0.09	0	0	0	0	0.110	0	0	0.110
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.05	0	0	0	0	0.05	0	0	0.05
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0.05	0	0	0	0	0.05	0	0	0.05

TABLE 20 CONTINUED: Department of Natural Resources (Buchans) 2018 PH1& PH2 Combined

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	0	0	<0.005	0	0	<0.005
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	0.99	0	0	0	0	0.8	0	0	0.99
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	0.99	0	0	0	0	0.8	0	0	0.99
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.03	0	0	0	0	<0.03	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.015	0	0	0	0	0.015	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.003	0	0	0	0	0.002	0	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	0.002	0	0	0.003
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	6.7	0	0	0	0	6.48	0	0	6.7
pH	PH UNITS	Minimum	0	0	0	0	6.7	0	0	0	0	6.48	0	0	6.48
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0.003	0	0	0.003
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.002	0	0	0	0	0.003	0	0	0.003
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	254	0	0	0	0	286	0	0	286
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	254	0	0	0	0	286	0	0	286
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	<2	0	0	0	0	<2	0	0	<2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	1	0	0	0	0	1	0	0	1

TABLE 20 CONTINUED: Department of Natural Resources (Buchans) 2018 PH1& PH2 Combined

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	16	0	0	0	0	16	0	0	16
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	16	0	0	0	0	16	0	0	16

TABLE 21: Department of Natural Resources (Buchans) 2018 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	<0.0001	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0.00005	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0.002	0	0	0.002
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0	0	0	0	0.0	0.002	0	0.0	0.002
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.34	0	0	0	0	0.24	0	0	0.34
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	0.34	0	0	0	0	0.24	0	0	0.34
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	<0.01	0	0	<0.01
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0.005	0	0	0	0	0.005	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.005	0	0	0	0	0.0116	0	0	0.0116
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	0.005	0	0	0	0	0.0116	0	0	0.0116
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	<0.001	0	0	<0.001
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0.0005	0	0	0.0005

TABLE 21 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.022	0	0	0	0	0.015	0	0	0.022
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.022	0	0	0	0	0.015	0	0	0.022
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.44	0	0	0	0	0.24	0	0	0.44
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	0.44	0	0	0	0	0.24	0	0	0.44
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	0	0	<0.005	0	0	<0.005
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0.0025	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	0	0	0	<0.10	0	0	<0.10
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0.05	0	0	0	0	0.05	0	0	0.05
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.03	0	0	0	0	<0.03	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.015	0	0	0	0	0.015	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.269	0	0	0	0	0.363	0	0	0.363
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Lead	MG/L	Monthly Average	0	0	0	0	0.269	0	0	0	0	0.363	0	0	0.363
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	7.41	0	0	0	0	7.13	0	0	7.41
pH	PH UNITS	Minimum	0	0	0	0	7.41	0	0	0	0	7.13	0	0	7.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	0	0	0	<0.001	0	0	<0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0	0.0005	0	0	0.0005

TABLE 21 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	91	0	0	0	0	132	0	0	132
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	91	0	0	0	0	132	0	0	132
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	<2	0	0	0	0	2	0	0	2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	1	0	0	0	0	2	0	0	2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	1.5	0	0	0	0	2.7	0	0	2.7
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	1.5	0	0	0	0	2.7	0	0	2.7

TABLE 22: Department of Natural Resources (Buchans) 2018 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	<0.0001	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0.00005	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0.001	0	0	0	0	<0.001	0	0	0.001
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0	0	0	0	0.0	0.0005	0	0.0	0.001
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0.07	0	0	0	0	0.08	0	0	0.08
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	0.08	0	0	0.08
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	0	0	<0.01	0	0	<0.01
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0.005	0	0	0	0	0.005	0	0	0.005

TABLE 22 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0997	0	0	0	0	0.0662	0	0	0.0997
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.0997	0	0	0	0	0.0662	0	0	0.0997
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	0.001	0	0	0	0	<0.001	0	0	0.001
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.001	0	0	0	0	0.0005	0	0	0.001
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0.877	0	0	0	0	0.485	0	0	0.877
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Copper	MG/L	Monthly Average	0	0	0	0	0.877	0	0	0	0	0.485	0	0	0.877
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0.76	0	0	0	0	0.28	0	0	0.76
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	0.76	0	0	0	0	0.28	0	0	0.76
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	0.007	0	0	0	0	0.006	0	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	0.006	0	0	0.007
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	0.22	0	0	0	0	0.34	0	0	0.34
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	0.22	0	0	0	0	0.34	0	0	0.34
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.03	0	0	0	0	<0.03	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.015	0	0	0	0	0.015	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0.659	0	0	0	0	0.357	0	0	0.659
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Lead	MG/L	Monthly Average	0	0	0	0	0.659	0	0	0	0	0.357	0	0	0.659

TABLE 22 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 12

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	7.03	0	0	0	0	6.82	0	0	7.03
pH	PH UNITS	Minimum	0	0	0	0	7.03	0	0	0	0	6.82	0	0	6.82
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	1	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0.002	0	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	0.002	0	0	0.002
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	233	0	0	0	0	263	0	0	263
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	233	0	0	0	0	263	0	0	263
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	26	0	0	0	0	<2	0	0	26
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	26	0	0	0	0	1	0	0	26
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	26	0	0	0	0	17	0	0	26
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	26	0	0	0	0	17	0	0	26

TABLE 23: Department of Natural Resources (Buchans) 2018 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0	0	0.0	0	0	0.0	0.0005

TABLE 23 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0.44	0	0	0	0	0	0	0	0.44
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	0	0.44
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0	0	0	0.002
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.002	0	0	0	0	0	0	0	0.002
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0.008	0	0	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	0.008	0	0	0	0	0	0	0	0.008
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	0.17	0	0	0	0	0	0	0	0.17
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	0.17	0	0	0	0	0	0	0	0.17
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	<0.005	0	0	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	0.0025	0	0	0	0	0	0	0	0.0025
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0	0	0.05

TABLE 23 CONTINUED: Department of Natural Resources (Buchans) 2018 Site 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.03	0	0	0	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.015	0	0	0	0	0	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0.041	0	0	0	0	0	0	0	0.041
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	0.041	0	0	0	0	0	0	0	0.041
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	7.13	0	0	0	0	0	0	0	7.13
pH	PH UNITS	Minimum	0	0	0	0	7.13	0	0	0	0	0	0	0	7.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	36	0	0	0	0	0	0	0	36
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	36	0	0	0	0	0	0	0	36
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	<2	0	0	0	0	0	0	0	<2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0.6	0	0	0	0	0	0	0	0.6
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.6	0	0	0	0	0	0	0	0.6

TABLE 24: Department of Natural Resources (Hope Brook) 2018 BHB#6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	0.02	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	0.02	0	0	0	0	0.02
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	0.01	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	0.01	0	0	0	0	0.01
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	0.0002	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	0.0002	0	0	0	0	0.0002
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	0.059	0	0	0	0	0.059
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	0.059	0	0	0	0	0.059
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	<0.03	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	0.015	0	0	0	0	0.015

TABLE 24 CONTINUED: Department of Natural Resources (Hope Brook) 2018 BHB#6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	<0.005	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	0.0025	0	0	0	0	0.0025
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	0.33	0	0	0	0	0.33
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.33	0	0	0	0	0.33
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	7.44	0	0	0	0	7.44
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.44	0	0	0	0	7.44
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	1	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0.002	0	0	0	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	0	0	0.002	0	0	0	0	0.002
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	148	0	0	0	0	148
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	148	0	0	0	0	148
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	<2	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	0	1	0	0	0	0	1

TABLE 24 CONTINUED: Department of Natural Resources (Hope Brook) 2018 BHB#6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	0.03	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	0.03	0	0	0	0	0.03

TABLE 25: Department of Natural Resources (Hope Brook) 2018 Banana Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	0.02	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	0.02	0	0	0	0	0.02
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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

TABLE 25 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Banana Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.022	0	0	0	0	0.022
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.022	0	0	0	0	0.022
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	0.32	0	0	0	0	0.32
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	0.32	0	0	0	0	0.32
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	<0.005	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	0.0025	0	0	0	0	0.0025
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
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	7.89	0	0	0	0	7.89
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.89	0	0	0	0	7.89
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	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	0.0005	0	0	0	0	0.0005

TABLE 25 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Banana Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	135	0	0	0	0	135
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	135	0	0	0	0	135
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	<2	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	0	1	0	0	0	0	1
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	<0.01	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	0.005	0	0	0	0	0.005

TABLE 26: Department of Natural Resources (Hope Brook) 2018 Catch Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	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	0.02	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	0.02	0	0	0	0	0.02
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	<0.01	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	0.005	0	0	0	0	0.005

TABLE 26 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Catch Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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	0.006	0	0	0	0	0.006
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.006	0	0	0	0	0.006
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	0.34	0	0	0	0	0.34
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	0.34	0	0	0	0	0.34
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	<0.005	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	0.0025	0	0	0	0	0.0025
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
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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

TABLE 26 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Catch 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	0	0	0	1	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.57	0	0	0	0	7.57
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.57	0	0	0	0	7.57
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	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	0.0005	0	0	0	0	0.0005
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	494	0	0	0	0	494
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	494	0	0	0	0	494
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	<2	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	0	1	0	0	0	0	1
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	<0.01	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	0.005	0	0	0	0	0.005

TABLE 27: Department of Natural Resources (Hope Brook) 2018 Inlet to BHB

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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

TABLE 27 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Inlet to BHB

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	0.02	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	0.02	0	0	0	0	0.02
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	<0.01	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	0.005	0	0	0	0	0.005
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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	0.007	0	0	0	0	0.007
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.007	0	0	0	0	0.007
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	0.34	0	0	0	0	0.34
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	0.34	0	0	0	0	0.34
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	<0.005	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	0.0025	0	0	0	0	0.0025
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

TABLE 27 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Inlet to BHB

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	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	7.44	0	0	0	0	7.44
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.44	0	0	0	0	7.44
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	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	0.0005	0	0	0	0	0.0005
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	81	0	0	0	0	81
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	81	0	0	0	0	81
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	<2	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	0	1	0	0	0	0	1
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	<0.01	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	0.005	0	0	0	0	0.005

TABLE 28: Department of Natural Resources (Hope Brook) 2018 Open Pit Spillway

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	0.01	0	0	0	0	0.01
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	<0.01	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	0.005	0	0	0	0	0.005
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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	0.003	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	0.003	0	0	0	0	0.003
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	0.48	0	0	0	0	0.48
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	0.48	0	0	0	0	0.48

TABLE 28 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Open Pit Spillway

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	<0.005	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	0.0025	0	0	0	0	0.0025
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
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	7.83	0	0	0	0	7.83
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.83	0	0	0	0	7.83
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	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	0.0005	0	0	0	0	0.0005
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	840	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	0	840	0	0	0	0	840
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	2	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	0	2	0	0	0	0	2

TABLE 28 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Open Pit Spillway

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

TABLE 29: Department of Natural Resources (Hope Brook) 2018 Pine Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	0.03	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	0.03	0	0	0	0	0.03
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	<0.01	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	0.005	0	0	0	0	0.005
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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

TABLE 29 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Pine Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.009	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	0.009	0	0	0	0	0.009
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	0.21	0	0	0	0	0.21
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	0.21	0	0	0	0	0.21
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	<0.005	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	0.0025	0	0	0	0	0.0025
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
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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	6.82	0	0	0	0	6.82
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	6.82	0	0	0	0	6.82
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	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	0.0005	0	0	0	0	0.0005

TABLE 29 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Pine Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	42	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	0	42	0	0	0	0	42
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	2	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	0	2	0	0	0	0	2
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	<0.01	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	0.005	0	0	0	0	0.005

TABLE 30: Department of Natural Resources (Hope Brook) 2018 Polish Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	<0.0001	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	<0.001	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	0.03	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	0.03	0	0	0	0	0.03
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	0.01	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	0.01	0	0	0	0	0.01

TABLE 30 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Polish Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	<0.0001	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	0.00005	0	0	0	0	0.00005
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	0.012	0	0	0	0	0.012
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.012	0	0	0	0	0.012
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	0.17	0	0	0	0	0.17
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	0.17	0	0	0	0	0.17
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	<0.005	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	0.0025	0	0	0	0	0.0025
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
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0	0	0	0	0.015
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

TABLE 30 CONTINUED: Department of Natural Resources (Hope Brook) 2018 Polish 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	0	1	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.12	0	0	0	0	7.12
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.12	0	0	0	0	7.12
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.0005	0	0	0	0	0.0005
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	66	0	0	0	0	66
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	66	0	0	0	0	66
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	<2	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	0	1	0	0	0	0	1
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	<0.01	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	0.005	0	0	0	0	0.005

Table 31: Department of Natural Resources (Gullbridge) 2018 Below Berm

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0.02	0	0	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	0.02	0	0	0	0	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	<0.01	0	0	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	0.005	0	0	0	0	0	0	0	0.005
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0.0004	0	0	0	0	0	0	0	0.0004
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.0004	0	0	0	0	0	0	0	0.0004
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0.325	0	0	0	0	0	0	0	0.325
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	MG/L	Monthly Average	0	0	0	0	0.325	0	0	0	0	0	0	0	0.325
Total Iron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Iron	MG/L	Maximum	0	0	0	0	1.09	0	0	0	0	0	0	0	1.09
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	1.09	0	0	0	0	0	0	0	1.09

Table 31 CONTINUED: Department of Natural Resources (Gullbridge) 2018 Below Berm

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0.104	0	0	0	0	0	0	0	0.104
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	0.104	0	0	0	0	0	0	0	0.104
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.10	0	0	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	0.05	0	0	0	0	0	0	0	0.05
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.03	0	0	0	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.015	0	0	0	0	0	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0	0	0.0005
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	6.4	0	0	0	0	0	0	0	6.4
pH	PH UNITS	Minimum	0	0	0	0	6.4	0	0	0	0	0	0	0	6.4
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	1	0	0	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	<0.001	0	0	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	0.0005	0	0	0	0	0	0	0	0.0005
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	214	0	0	0	0	0	0	0	214
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	214	0	0	0	0	0	0	0	214
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	3	0	0	0	0	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	3	0	0	0	0	0	0	0	3

Table 31 CONTINUED: Department of Natural Resources (Gullbridge) 2018 Below Berm

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0.06	0	0	0	0	0	0	0	0.06
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.06	0	0	0	0	0	0	0	0.06

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

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	0	1	0	0	1	0	0	1	5
Total Silver	UG/L	Maximum	<0.10	0	<0.10	0	0	<0.10	0	0	<0.10	0	0	<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	0.05	0	0	0.05	0	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Arsenic	UG/L	Maximum	4.1	0	1.8	0	0	3.5	0	0	3.2	0	0	2.1	4.1
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	4.1	0	1.8	0	0	3.5	0	0	3	0	0	2	4.1
Total Barium	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Barium	UG/L	Maximum	58	0	41	0	0	45	0	0	64	0	0	42	64
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	58	0	41	0	0	45	0	0	64	0	0	42	64
Total Boron	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Boron	UG/L	Maximum	72	0	<50	0	0	97	0	0	170	0	0	82	170
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	72	0	25	0	0	97	0	0	170	0	0	82	170
Total Cadmium	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Cadmium	UG/L	Maximum	0.09	0	0.047	0	0	0.42	0	0	0.079	0	0	0.13	0.42
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	0.09	0	0.047	0	0	0.42	0	0	0.079	0	0	0.13	0.42
Total Chromium	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Chromium	UG/L	Maximum	1.4	0	<1.0	0	0	9.3	0	0	2.5	0	0	1.9	9.3
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	1.4	0	0.5	0	0	9.3	0	0	2.5	0	0	1.9	9.3
Total Copper	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Copper	UG/L	Maximum	11	0	5	0	0	89	0	0	25	0	0	23	89
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	11	0	5	0	0	89	0	0	25	0	0	23	89.000
Total Iron	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Iron	UG/L	Maximum	7400	0	1200	0	0	2900	0	0	2000	0	0	1700	7400
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	7400	0	1200	0	0	2900	0	0	2000	0	0	1700	7400

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

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Mercury	UG/L	Maximum	0.038	0	0.032	0	0	0.11	0	0	0.16	0	0	0.037	0.16
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	0.038	0	0.032	0	0	0.11	0	0	0.16	0	0	0.037	0.16
Total Nickel	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Nickel	UG/L	Maximum	4.5	0	3.6	0	0	13	0	0	5.4	0	0	6.9	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	4.5	0	3.6	0	0	13	0	0	5.4	0	0	6.9	13
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Ammonium+Ammonia Total Unfiltered, Reactive	MG/L	Maximum	0.24	0	0.11	0	0	0.26	0	0	0.19	0	0	0.096	0.26
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	0.24	0	0.11	0	0	0.26	0	0	0.19	0	0	0.096	0.26
Orthophosphate	MG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Orthophosphate	MG/L	Maximum	<0.010	0	<0.010	0	0	<0.010	0	0	0.013	0	0	<0.010	0.013
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0	0.005	0	0	0.005	0	0	0.013	0	0	0.005	0.013
Total Lead	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Lead	UG/L	Maximum	2.3	0	0.66	0	0	2.4	0	0	3.3	0	0	0.61	3.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	2	0	1	0	0	2	0	0	3	0	0	1	3
pH	PH UNITS	# of Samples	1	1	2	1	1	2	1	1	2	1	1	2	16
pH	PH UNITS	Maximum	7.88	7.38	7.88	7.53	6.94	7.77	7.92	7.73	8.02	7.9	7.87	8	8.02
pH	PH UNITS	Minimum	7.88	7.38	7.75	7.53	6.94	7.54	7.92	7.73	7.86	7.9	7.87	7.76	6.94
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	1	0	0	1	0	0	1	0	0	1	5
Phenolics	MG/L	Maximum	0.0014	0	0.0014	0	0	0.0028	0	0	0.0015	0	0	<0.0010	0.0028
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0014	0	0.0014	0	0	0.0028	0	0	0.0015	0	0	0.0005	0.0028
Total Selenium	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Selenium	UG/L	Maximum	<1.0	0	<1.0	0	0	<1.0	0	0	<1.0	0	0	<1.0	<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	0.5	0	0.5	0	0	0.5	0	0	0.5	0	0	0.5	0.5

TABLE 32 CONTINUED: Department of Transportation and Works (Grand Falls) 2018 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Sulphide	MG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Sulphide	MG/L	Maximum	<0.020	0	<0.020	0	0	<0.020	0	0	<0.020	0	0	<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	0.01	0	0	0.01	0	0	0.01	0	0	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Calculated TDS	MG/L	Maximum	770	0	540	0	0	530	0	0	610	0	0	640	770
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	770	0	540	0	0	530	0	0	610	0	0	640	770
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	1	1	1	1	1	1	1	1	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	0	0.15	<0.10	<0.10	0.16	<0.10	<0.10	<0.10	0.12	0.2	<0.10	<0.10	0.2
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0.15	0.5	0.5	0.16	0.05	0.05	0.05	0.12	0.2	0.05	0.05	0.2
Total Suspended Solids	MG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Suspended Solids	MG/L	Maximum	23	0	6	0	0	25	0	0	9.2	0	0	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	23	0	6	0	0	25	0	0	9.2	0	0	14	25
Total Zinc	UG/L	# of Samples	1	0	1	0	0	1	0	0	1	0	0	1	5
Total Zinc	UG/L	Maximum	20	0	9.9	0	0	120	0	0	14	0	0	48	120
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	20	0	9.9	0	0	120	0	0	14	0	0	48	120

TABLE 33: EnviroSystems 2018 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	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Boron	UG/L	Maximum	1200	1300	2100	620	1600	320	220	4100	4300	4100	4400	0	4400
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	435.7	1086.7	1550.0	313.3	658.3	237.5	126.3	2072.0	3125.0	2175.0	3400.0	0	3400.0
Total Cadmium	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Cadmium	UG/L	Maximum	<0.010	0.260	0.220	<0.010	0.026	<0.010	0.012	<0.010	<0.010	0.980	0.230	0	0.980
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	0.138	0.113	0.005	0.014	0.005	0.006	0.005	0.005	0.215	0.099	0	0.215
Total Chromium	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Chromium	UG/L	Maximum	1.5	<1.0	<1.0	<1.0	6.9	1	<1.0	<1.0	<1.0	14	12	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	0.8	0.5	0.5	0.5	2.8	0.6	0.5	0.5	0.5	2.8	1.9	0	2.8
Total Copper	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Copper	UG/L	Maximum	5.9	26	<2.0	2.8	17	7.8	3.4	6.2	<2.0	210	160	0	210
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.6	9.3	1.0	1.6	6.3	2.6	2.2	2.0	1.0	36.1	56.1	0	56.1
Total Iron	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Iron	UG/L	Maximum	130	1000	54	<50	5700	4700	13000	13000	1700	2700	9900	0	13000
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	71.3	773.3	39.5	25	2780	2546.7	4265.7	4900	738.8	1237.5	3165.6	0	4900
Total Mercury	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Mercury	UG/L	Maximum	1.100	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	0.055	<0.013	0.260	0.940	0	1.1
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	0.462	0.007	0.007	0.007	0.007	0.007	0.007	0.020	0.007	0.087	0.240	0	0.462
Total Nickel	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Nickel	UG/L	Maximum	74	95	92	24	39	56	25	110	270	200	200	0	270
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	39.3	70.3	72	12.6	20.3	39.3	14.8	44.5	126.8	59.9	113.5	0	126.8
Total Lead	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Lead	UG/L	Maximum	2.70	5.10	<0.50	<0.50	3.40	6.70	<0.50	0.71	<0.50	68.00	40.00	0	68.00
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.07	1.87	0.25	0.25	1.65	1.33	0.25	0.34	0.25	12.40	16.28	0	16.28

TABLE 33 CONTINUED: EnviroSystems 2018 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
pH	PH UNITS	Maximum	7.52	7.16	7.19	7.91	7	7.47	7.46	6.77	7.43	7.39	7.16	0	7.91
pH	PH UNITS	Minimum	6.68	6.92	6.95	6.69	6.61	7.17	6.94	6.03	7.16	6.95	6.45	0	6.03
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
TPH (Atlantic PIRI)	MG/L	Maximum	13	5.2	6.1	<0.10	8.1	<0.10	0.43	1.9	4.3	75	55	0	75
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	7.3	3.1	3.2	0.1	2.8	0.1	0.1	0.8	3.8	16.1	26.5	0	26.5
Total Suspended Solids	MG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Suspended Solids	MG/L	Maximum	29	62	12	1.2	92	11	24	6.2	6.8	140	82	0	140
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	12	37	7	1	32	2	7	3	4	26	29	0	37
Total Zinc	UG/L	# of Samples	3	3	2	6	3	6	7	5	4	6	8	0	53
Total Zinc	UG/L	Maximum	150	440	370	150	300	32	11	60	320	210	480	0	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	98.3	323.3	295.0	87.0	110.5	15.7	5.1	23.5	148.1	73.5	283.8	0	323.3

TABLE 34: Husky Oil Operations-Atlantic (Argentina) 2018 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	51	53	52	53	49	49	42	51	51	48	48	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	51	53	52	53	49	49	42	51	51	48	48	46	53
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	3300	3400	3200	3500	3500	3200	3900	3600	3800	3600	3500	3300	3900
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	3300	3400	3200	3500	3500	3200	3900	3600	3800	3600	3500	3300	3900
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	0.83	0.94	0.81	0.93	0.88	0.78	0.53	0.88	0.88	0.86	0.89	0.85	0.94
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	0.83	0.94	0.81	0.93	0.88	0.78	0.53	0.88	0.88	0.86	0.89	0.85	0.94
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	<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 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	1	1	1	1	1	1	1	1	1	1	1	1
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	520	<50	<50	<50	<50	<50	520
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	520	25	25	25	25	25	520

TABLE 34 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2018 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Mercury	UG/L	Maximum	0.017	0.013	<0.013	<0.013	0.04	<0.013	<0.013	0.025	<0.013	0.015	0.013	<0.013	0.04
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.017	0.013	0.0065	0.0065	0.04	0.0065	0.0065	0.025	0.0065	0.015	0.013	0.0065	0.04
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	5.4	5.5	5.3	5.7	5.3	5.5	6.6	5.2	4.9	4.9	5	4.6	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	5.4	5.5	5.3	5.7	5.3	5.5	6.6	5.2	4.9	4.9	5	4.6	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	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	4	4	4	4	5	4	4	5	4	5	4	4	51
pH	PH UNITS	Maximum	7.61	7.74	7.48	7.58	7.57	7.61	7.7	7.63	7.62	7.59	7.6	7.63	7.74
pH	PH UNITS	Minimum	7.49	7.46	7.35	7.43	7.4	7.51	7.43	7.5	7.55	7.48	7.55	7.54	7.35
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	0.025	<0.0010	0.012	0.032	<0.0010	0.0027	0.0059	0.0026	0.0075	0.0024	0.032
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	0.025	0.0005	0.012	0.032	0.0005	0.0027	0.0059	0.0026	0.0075	0.0024	0.032
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	<1.0	<1.0	<1.0	<1.0	<1.0	<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	0.5	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 34 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2018 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	28000	30000	29000	28000	28000	29000	27000	28000	27000	27000	27000	30000
Calculated TDS	MG/L	Combined Inflow	28000	27000	31000	30000	28000	30000	29000	27000	28000	27000	25000	27000	31000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Monthly Average	28000	28000	30000	29000	28000	28000	29000	27000	28000	27000	27000	27000	30000
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	4	4	4	4	5	4	4	5	4	5	4	4	51
Total Suspended Solids	MG/L	Maximum	2	4	9.2	1.4	3	1.6	2.2	5.4	8.4	3	3.2	4.4	9.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.75	2.3	3.85	0.9625	1.69	0.775	1.75	3	3.625	2.24	2.4	2.9	3.85
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 35: Husky Oil Operations-Atlantic (Argentina) 2018 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 35 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2018 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	110	100	100	100	100	97	100	100	100	98	94	95	110
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	110	100	100	100	100	97	100	100	100	98	94	95	110
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	1700	2000	2400	1800	1800	2100	1900	2000	2100	1900	2100	2100	2400
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	1700	2000	2400	1800	1800	2100	1900	2000	2100	1900	2100	2100	2400
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.2	1.5	1.3	1.1	1.5
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	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.2	1.5	1.3	1.1	1.5
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	<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 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	1	1	1	1	1	1	1	1	1	1	1	1
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	0.017	0.015	0.032	<0.013	0.02	0.013	<0.013	0.023	<0.013	0.015	<0.013	<0.013	0.032
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.017	0.015	0.032	0.0065	0.02	0.013	0.0065	0.023	0.0065	0.015	0.0065	0.0065	0.032
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

TABLE 35 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2018 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium+Ammonia, Total	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium+Ammonia, Total	MG/L	Maximum	5.5	5.7	5.8	6.3	5.8	5.9	5.9	5.7	5.6	5.6	5.9	5.9	6.3
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	5.5	5.7	5.8	6.3	5.8	5.9	5.9	5.7	5.6	5.6	5.9	5.9	6.3
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	0.011	<0.010	<0.010	<0.010	<0.010	0.054	<0.010	<0.010	<0.010	<0.010	0.054
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	0.011	0.005	0.005	0.005	0.005	0.054	0.005	0.005	0.005	0.005	0.054
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	3	4	5	4	5	4	4	5	4	5	4	4	51
pH	PH UNITS	Maximum	7.56	7.58	7.57	7.62	7.56	7.75	7.56	7.66	7.59	7.58	7.61	7.75	7.75
pH	PH UNITS	Minimum	7.49	7.45	7.49	7.37	7.3	7.46	7.51	7.43	7.47	7.46	7.41	7.52	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	0.011	<0.0010	<0.0010	0.0051	<0.0010	0.014	0.012	0.0014	0.001	0.025	0.0014	<0.0010	0.025
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.011	0.0005	0.0005	0.0051	0.0005	0.014	0.012	0.0014	0.001	0.025	0.0014	0.0005	0.025
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	<1.0	<1.0	<1.0	<1.0	<1.0	<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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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	0.029	<0.020	0.029
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	0.029	0.01	0.029
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	18000	19000	19000	18000	18000	18000	18000	18000	17000	17000	18000	18000	19000
Calculated TDS	MG/L	Combined Inflow	15000	15000	15000	14000	14000	15000	14000	18000	13000	14000	13000	14000	18000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	1	1	1	0	1	1	1	1	11
Calculated TDS	MG/L	Monthly Average	18000	19000	19000	18000	18000	18000	18000	18000	17000	17000	18000	18000	19000

TABLE 35 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2018 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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	3	4	5	4	5	4	4	5	4	5	4	4	51
Total Suspended Solids	MG/L	Maximum	1.4	3.4	1.6	2.2	1.4	2.4	1.8	1.4	2.4	4.6	1.4	1.6	4.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.95	1.8125	0.82	0.7375	0.86	1.075	1.1625	0.78	0.975	2.3	0.775	0.5875	2.3
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<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 36: Iron Ore Company of Canada (Labrador City) 2018 FDP-HC

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	2	1	1	13
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	2	1	1	13
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	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	5	4	4	5	4	4	5	4	5	53
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	0.0013	0.0014	0.0013	0.0011	<0.0010	0.0014
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	0.0007	0.0007	0.0007	0.0007	0.0007	0.0005	0.0007
Total Copper	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	5	53
Total Copper	MG/L	Maximum	<0.0020	<0.0020	<0.0020	0.0034	0.005	0.0024	0.0023	<0.0020	0.0026	0.0012	<0.00050	0.0076	0.0076
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	0.0010	0.0010	0.0010	0.0015	0.0041	0.0014	0.0013	0.0009	0.0014	0.0006	0.0003	0.0026	0.0041
Total Nickel	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	5	53
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	5	4	4	5	4	4	5	4	4	5	4	5	53
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0031	<0.0005	<0.0005	0.0031
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	0.0008	0.0003	0.0003	0.0008
pH	PH UNITS	# of Samples	5	4	4	5	4	4	5	4	4	5	4	5	53
pH	PH UNITS	Maximum	8.05	7.91	7.86	7.89	7.95	8.04	8.05	7.93	8.02	8.04	7.98	8.09	8.09
pH	PH UNITS	Minimum	7.8	7.78	7.67	7.77	7.82	7.9	7.71	7.87	7.91	7.78	7.8	7.65	7.65
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	1	0	0	0	0	0	0	0	3	5	9
Radium-226	BQ/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	<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	0.005	0	0	0	0	0	0	0	0.005	0.005	0.005

TABLE 36 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 FDP-HC

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	5	53
Total Suspended Solids	MG/L	Maximum	0.6	0.6	1.6	3	2.1	4.5	1.5	2.3	13	<0.50	2	2.4	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	0.4	0.4	0.8	1.4	1.7	1.8	0.7	0.9	3.6	0.3	0.7	1.2	3.6
Total Zinc	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	5	53
Total Zinc	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
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	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

TABLE 37: Iron Ore Company of Canada (Labrador City) 2018 FDP-MD30

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	0	0	1	1	2	0	1	1	1	1	10
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	0	0	1	1	2	0	1	1	1	1	10
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	0	0	1	1	2	0	1	2	1	1	11
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	0	0	1	1	2	0	1	2	1	1	11
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Arsenic	MG/L	Maximum	<0.001	<0.001	0	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	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	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Copper	MG/L	Maximum	<0.0020	0.0029	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0005	<0.0005	0.0029
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	0.001	0.0029	0	0	0.0010	0.0010	0.0010	0.0006	0.0004	0.0004	0.0003	0.0003	0.0029
Total Nickel	MG/L	# of Samples	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Nickel	MG/L	Maximum	<0.002	<0.002	0	0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	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	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Lead	MG/L	Maximum	<0.0005	<0.0005	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	0.0003	0.0003	0	0	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003

TABLE 37 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 FDP-MD30

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	1	0	0	2	4	5	4	4	4	4	2	35
pH	PH UNITS	Maximum	8.13	7.98	0	0	8.42	8.15	8.38	8.43	8.43	8.23	8.29	8.22	8.43
pH	PH UNITS	Minimum	8	7.98	0	0	7.82	7.86	8.08	8.26	8.15	8.14	8.05	8.17	7.82
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	1	0	0	0	3	2	7
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	<0.010	0	0	0	<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	0.005	0	0	0	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Suspended Solids	MG/L	Maximum	<1.0	<0.50	0	0	2.9	1.3	1.5	2.7	1	<0.50	2	0.6	2.9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.3	0.3	0	0	2.2	0.6	0.7	0.9	0.7	0.3	0.8	0.4	2.2
Total Zinc	MG/L	# of Samples	5	1	0	0	2	4	5	4	4	4	4	2	35
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0	0	0.0058	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0058
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	0	0.0042	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0042

TABLE 38: Iron Ore Company of Canada (Labrador City) 2018 FDP-JN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	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	5	4	4	6	4	4	5	4	5	54
Total Arsenic	MG/L	Maximum	<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 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	5	4	4	5	4	4	6	4	4	5	4	5	54
Total Copper	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.00076	0.00064	<0.0020
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	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0007	0.0004	0.0005	0.0005	0.0004	0.0010

TABLE 38 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 FDP-JN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	5	4	4	5	4	4	6	4	4	5	4	5	54
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	4	4	5	4	4	6	4	4	5	4	5	54
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	5	4	4	5	4	4	6	4	4	5	4	5	54
pH	PH UNITS	Maximum	8.92	7.78	7.87	7.65	7.71	7.95	8.05	8.02	7.9	8.01	7.99	7.85	8.92
pH	PH UNITS	Minimum	7.62	7.69	7.64	7.23	7.18	6.63	7.78	7.81	7.79	7.66	7.57	7.6	6.63
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	0	0	0	0	0	3	5	9
Radium-226	BQ/L	Maximum	0	0	<0.010	0	0	0	0	0	0	0	<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	0.005	0	0	0	0	0	0	0	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	6	4	4	5	4	5	54
Total Suspended Solids	MG/L	Maximum	1.2	0.8	4.9	12	0.9	0.8	11	4	20	2.4	1.9	5.2	20
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.7	0.6	2.0	3.5	0.5	0.6	3.4	2.6	8.0	1.5	1.4	2.1	8.0
Total Zinc	MG/L	# of Samples	5	4	4	5	4	4	6	4	4	5	4	5	54
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
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	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

TABLE 39: Iron Ore Company of Canada (Labrador City) 2018 FDP-W3-02

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	1	1	1	1	1	1	1	1	8
LT50 Rainbow Trout	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) 2018 FDP-W3-02

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	4	5	4	4	4	4	1	27
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	1	4	5	4	4	4	4	1	27
Total Copper	MG/L	Maximum	0	0	0	0	0.0023	0.0036	0.0047	0.0022	0.0018	0.0016	0.0017	0.0006	0.0047
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	0.0023	0.0028	0.0043	0.0016	0.0013	0.0013	0.0009	0.0006	0.0043
Total Nickel	MG/L	# of Samples	0	0	0	0	1	4	5	4	4	4	4	1	27
Total Nickel	MG/L	Maximum	0	0	0	0	0.0025	0.0035	0.0045	0.0024	<0.0020	<0.0020	<0.0020	<0.0020	0.0045
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	0.0025	0.0024	0.0038	0.0016	0.0010	0.0010	0.0010	0.0010	0.0038
Total Lead	MG/L	# of Samples	0	0	0	0	1	4	5	4	4	4	4	1	27
Total Lead	MG/L	Maximum	0	0	0	0	<0.0005	<0.0005	0.00059	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00059
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	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
pH	PH UNITS	# of Samples	0	0	0	0	1	4	5	4	4	4	4	1	27
pH	PH UNITS	Maximum	0	0	0	0	7.26	7.71	7.76	7.8	7.82	7.78	7.67	7.65	7.82
pH	PH UNITS	Minimum	0	0	0	0	7.26	7.45	7.22	7.49	7.65	7.67	7.32	7.65	7.22
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	4	2	4	3	4	1	23
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<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	1	4	5	4	4	4	4	1	27
Total Suspended Solids	MG/L	Maximum	0	0	0	0	10	19	30	8.8	11	7.9	2.1	2.5	30
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	10.0	10.4	24.2	5.6	6.3	5.1	1.6	2.5	24.2
Total Zinc	MG/L	# of Samples	0	0	0	0	1	4	5	4	4	4	4	1	27
Total Zinc	MG/L	Maximum	0	0	0	0	<0.0050	0.007	0.0068	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	0.007
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0025	0.0046	0.0052	0.0032	0.0025	0.0025	0.0025	0.0025	0.0052

TABLE 40: Iron Ore Company of Canada (Labrador City) 2018 MD5

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	<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	0.0005	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0	<0.0020	0	0	0	0	0	0	<0.0020
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0.001	0	0	0	0	0	0	0.001
Total Nickel	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	0	<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	0.001	0	0	0	0	0	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0	<0.00050	0	0	0	0	0	0	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0.00025	0	0	0	0	0	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	0	3	0	0	0	0	0	0	3
pH	PH UNITS	Maximum	0	0	0	0	0	7.56	0	0	0	0	0	0	7.56
pH	PH UNITS	Minimum	0	0	0	0	0	7.38	0	0	0	0	0	0	7.38
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.010	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	0.005	0	0	0	0	0	0	0.005

TABLE 40 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 MD5

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	3	0	0	0	0	0	0	3
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	3.5	0	0	0	0	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	0	0	0	0	0	1.5	0	0	0	0	0	0	1.5
Total Zinc	MG/L	# of Samples	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	<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	0.0025	0	0	0	0	0	0	0.0025

TABLE 41 Iron Ore Company of Canada (Labrador City) 2018 FDP-LLN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	1	1	1	0	1	1	2	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	1	1	1	0	1	1	2	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	1	1	1	0	1	1	1	1	1	11
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	1	1	1	0	1	1	1	1	1	11
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	<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	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Copper	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	<0.0020	<0.0020	<0.0020	0.00098	0.00065	<0.0020
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	0.001	0.001	0.001	0.001	0.001	0.001	0	0.0005	0.0004	0.0007	0.0006	0.0004	0.0010
Total Nickel	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	<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	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	<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	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003

TABLE 41 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 FDP-LLN

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
pH	PH UNITS	Maximum	8.03	8.04	7.93	7.91	7.91	8.3	0	8.41	8.39	8.28	8.26	8.13	8.41
pH	PH UNITS	Minimum	7.83	7.93	7.76	7.63	7.72	7.85	0	8.27	8.09	8.11	7.98	7.96	7.63
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	4	4	3	4	2	0	3	3	4	3	5	38
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<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	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Suspended Solids	MG/L	Maximum	1	0.7	1.1	2	7.9	11	0	3.1	8.4	20	12	9.7	20
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.6	0.5	0.9	1.4	5.2	6.7	0	2.5	6.0	11.9	8.8	6.0	11.9
Total Zinc	MG/L	# of Samples	5	4	4	4	4	3	0	3	4	5	4	5	45
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0092	0	<0.0050	0.012	0.056	0.016	0.0075	0.056
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	0.0047	0	0.0025	0.0049	0.0190	0.0112	0.0035	0.0190

TABLE 42 Iron Ore Company of Canada (Labrador City) 2018 FDP-W3-06

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	0	0	0	0	0	1	1	1	1	1	1	1	7
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	0	1	1	1	1	1	1	1	7
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	0	1	1	1	1	1	1	1	7
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	0	1	1	1	1	1	1	1	7
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	5	5	4	4	4	5	5	32
Total Arsenic	MG/L	Maximum	0	0	0	0	0	<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	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	0	5	5	4	4	4	5	5	32
Total Copper	MG/L	Maximum	0	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.00050	<0.00050	<0.00050	<0.00050	<0.0020
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.001

TABLE 42 CONTINUED: Iron Ore Company of Canada (Labrador City) 2018 FDP-W3-06

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	0	0	0	5	5	4	4	4	5	5	32
Total Nickel	MG/L	Maximum	0	0	0	0	0	<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	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	0	5	5	4	4	4	5	5	32
Total Lead	MG/L	Maximum	0	0	0	0	0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	0	5	5	4	4	4	5	5	32
pH	PH UNITS	Maximum	0	0	0	0	0	7.66	7.73	7.74	7.63	7.6	7.5	7.67	7.74
pH	PH UNITS	Minimum	0	0	0	0	0	7.32	7.36	7.43	7.41	7.51	7.26	7.26	7.26
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	0	4	4	2	4	3	5	5	27
Radium-226	BQ/L	Maximum	0	0	0	0	0	<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	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	0	5	5	4	4	4	5	5	32
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	4	0.7	1.6	<0.50	2.8	1.2	7.9	7.9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	2.3	0.5	0.7	0.3	1.3	0.5	2.9	2.9
Total Zinc	MG/L	# of Samples	0	0	0	0	0	5	5	4	4	4	5	5	32
Total Zinc	MG/L	Maximum	0	0	0	0	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

TABLE 43: Iron Ore Company of Canada (Labrador City) 2018 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	7.82	7.6	7.63	7.74	0	0	0	7.82
pH	PH UNITS	Minimum	0	0	0	0	0	7.82	7.6	7.63	7.74	0	0	0	7.6
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	3.4	<0.50	<0.50	1.7	0	0	0	3.4
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	3.4	0.25	0.25	1.7	0	0	0	3.4

TABLE 44: Iron Ore Company of Canada (Labrador City) 2018 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	0	1	1	1	0	0	0	3
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.95	8.01	7.89	0	0	0	8.01
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.95	8.01	7.89	0	0	0	7.89
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	0	1	1	1	0	0	0	3
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	3.5	1.8	2.1	0	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	0	0	0	0	0	0	3.5	1.8	2.1	0	0	0	3.5

TABLE 45: Iron Ore Company of Canada (Labrador City) 2018 PD-32

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	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	7.99	0	0	0	0	0	0	0	0	0	7.99
pH	PH UNITS	Minimum	0	0	7.99	0	0	0	0	0	0	0	0	0	7.99
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	1	0	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	1.9	0	0	0	0	0	0	0	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	0	0	1.9	0	0	0	0	0	0	0	0	0	1.9

TABLE 46: Labatt Breweries Newfoundland (St. John's) 2018 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	0	0	0	1	0	0	1	3
Total Boron	UG/L	Maximum	0	0	<50	0	0	0	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	0	0	0	25	0	0	25	25
BOD/CBOD	MG/L	# of Samples	5	3	3	4	4	3	3	2	1	6	2	4	39
BOD/CBOD	MG/L	Maximum	2000	1700	2100	2300	890	1600	600	1100	660	73000	770	11000	73000
BOD/CBOD	MG/L	Exceedance(>300)	4	3	2	3	4	2	2	2	1	4	2	4	33
BOD/CBOD	MG/L	Monthly Average	1278	1127	1087	1173	758	1090	450	970	660	12664	590	3753	15196
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Cadmium	UG/L	Maximum	0	0	0.14	0	0	0	0	0	0.068	0	0	0.16	0.16
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	0	0	0.068	0	0	0.16	0.16
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Chromium	UG/L	Maximum	0	0	26	0	0	0	0	0	5.9	0	0	19	26
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	26	0	0	0	0	0	5.9	0	0	19	26
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	8	7	0	0	1	17
Total Copper	UG/L	Maximum	0	0	410	0	0	0	0	570	190	0	0	240	570
Total Copper	UG/L	Exceedance(>300)	0	0	1	0	0	0	0	4	0	0	0	0	5
Total Copper	UG/L	Monthly Average	0	0	410	0	0	0	0	258	128	0	0	240	410
Total Iron	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Iron	UG/L	Maximum	0	0	1800	0	0	0	0	0	770	0	0	1500	1800
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	1800	0	0	0	0	0	770	0	0	1500	1800
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	0	0.045	0	0	0	0	0	0.027	0	0	0.042	0.045
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	0.045	0	0	0	0	0	0.027	0	0	0.042	0.045
Total Nickel	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Nickel	UG/L	Maximum	0	0	10	0	0	0	0	0	5.5	0	0	9.2	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	10	0	0	0	0	0	5.5	0	0	9.2	10

CBOD was analysed instead of BOD.

TABLE 46 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2018 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	0	1.3	0	0	0	0	0	3.1	0	0	5.8	5.8
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	1	1
Orthophosphate	MG/L	Monthly Average	0	0	1.3	0	0	0	0	0	3.1	0	0	5.8	5.8
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Lead	UG/L	Maximum	0	0	12	0	0	0	0	0	5.8	0	0	16	16
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	12	0	0	0	0	0	5.8	0	0	16	16
pH	PH UNITS	# of Samples	5	3	4	4	4	3	3	2	2	5	2	4	41
pH	PH UNITS	Maximum	11.80	6.70	7.17	7.74	10.40	6.99	6.41	9.63	5.22	12.50	6.56	9.49	12.50
pH	PH UNITS	Minimum	2.19	5.88	5.68	5.18	5.60	6.50	6.02	5.82	5.22	5.59	6.29	5.95	2.19
pH	PH UNITS	Exceedance(<5.5,>9.0)	4	0	0	1	1	0	0	1	2	1	0	1	11
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Phenolics	MG/L	Maximum	0	0	0.012	0	0	0	0	0	0.014	0	0	0.008	0.014
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	0.012	0	0	0	0	0	0.014	0	0	0.008	0.014
Total Suspended Solids	MG/L	# of Samples	5	3	4	4	4	3	3	2	2	6	2	5	43
Total Suspended Solids	MG/L	Maximum	1700	1000	1900	1700	1700	660	770	780	550	26000	440	66000	66000
Total Suspended Solids	MG/L	Exceedance(>350)	4	2	1	3	3	2	1	1	2	2	2	4	27
Total Suspended Solids	MG/L	Monthly Average	698	557	593	878	733	459	296	414	500	4513	420	13909	13909
Total Zinc	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Zinc	UG/L	Maximum	0	0	480	0	0	0	0	0	310	0	0	550	550
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Zinc	UG/L	Monthly Average	0	0	480	0	0	0	0	0	310	0	0	550	550

TABLE 47: Labrador Iron Mines 2018 Ruth Pit

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	0	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	1	0	0	1	0	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	1	0	0	1	0	0	0	0	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	1	0	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	UG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	<1.0	0	0	<1.0	0	0	0	0	0	0	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	0.5	0	0	0.5	0	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	<1.0	0	0	<1.0	0	0	0	0	0	0	0	<1.0
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	0.5	0	0	0.5	0	0	0	0	0	0	0	0.5
Total Nickel	UG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	<2.0	0	0	<2.0	0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	1	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	<0.50	0	0	<0.50	0	0	0	0	0	0	0	<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	0.25	0	0	0.25	0	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	5	5	4	5	5	4	0	0	0	0	0	0	28
pH	PH UNITS	Maximum	7.93	7.89	7.85	7.86	7.95	7.92	0	0	0	0	0	0	7.95
pH	PH UNITS	Minimum	7.87	7.38	7.79	7.74	7.62	7.76	0	0	0	0	0	0	7.38
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	0	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	<0.0050	0	0	0	0	0	0	0	0	0	0	<0.0050
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	0.0025	0	0	0	0	0	0	0	0	0	0	0.0025

TABLE 47 CONTINUED: Labrador Iron Mines 2018 Ruth Pit

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	5	5	4	5	5	4	0	0	0	0	0	0	28
Total Suspended Solids	MG/L	Maximum	3.2	<2.0	<2.0	4	<2.0	6.1	0	0	0	0	0	0	6.1
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.4	1	1	2.2	1	2.6	0	0	0	0	0	0	2.6
Total Zinc	UG/L	# of Samples	0	1	0	0	1	0	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	11	0	0	14	0	0	0	0	0	0	0	14
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	11	0	0	14	0	0	0	0	0	0	0	14

TABLE 48: Molson Coors Canada (St. John's) 2018 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Boron	UG/L	Maximum	<50	<50	<50	0	<50	0	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	25	25	25	0	25	0	0	0	25	0	0	25	25
BOD/CBOD	MG/L	# of Samples	5	1	3	4	5	4	4	4	4	4	4	3	45
BOD/CBOD	MG/L	Maximum	1400	1100	1500	1500	900	1300	8100	1400	20000	1700	2200	2800	20000
BOD/CBOD	MG/L	Exceedance(>300)	5	1	3	4	5	4	4	4	4	4	4	3	45
BOD/CBOD	MG/L	Monthly Average	1300	1100	1500	1000	850	1022.5	3227.5	1100	5890	1195	1285	1630	5890
Total Cadmium	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Cadmium	UG/L	Maximum	0.04	0.02	0.05	0	0.04	0	0	0	0.07	0	0	0.06	0.07
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	0.04	0.02	0.04	0	0.04	0	0	0	0.07	0	0	0.06	0.07
Total Chromium	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Chromium	UG/L	Maximum	13	5.3	3.6	0	9.1	0	0	0	4.5	0	0	4.8	13
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	13	5.3	3.6	0	9.1	0	0	0	4.5	0	0	4.8	13
Total Copper	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Copper	UG/L	Maximum	69	110	170	0	120	0	0	0	28	0	0	63	170
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	69	110	101	0	120	0	0	0	28	0	0	63	120
Total Iron	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Iron	UG/L	Maximum	620	430	410	0	730	0	0	0	590	0	0	550	730
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	620	430	320	0	730	0	0	0	590	0	0	550	730
Total Mercury	UG/L	# of Samples	1	0	1	0	1	0	0	0	1	0	0	1	5
Total Mercury	UG/L	Maximum	0.015	0	0.015	0	0.020	0	0	0	<0.013	0	0	<0.013	0.020
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	0.015	0	0.020	0	0	0	0.007	0	0	0.007	0.020
Total Nickel	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Nickel	UG/L	Maximum	4	2.4	2.7	0	3	0	0	0	3.1	0	0	3.1	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	4	2.4	2.35	0	3	0	0	0	3.1	0	0	3.1	4

CBOD was analysed instead of BOD.

TABLE 48 CONTINUED: Molson Coors Canada (St. John's) 2018 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	0	1	0	1	0	0	0	1	0	0	1	5
Orthophosphate	MG/L	Maximum	3.1	0	10	0	1.4	0	0	0	12	0	0	5.8	12
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	1	0	0	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Monthly Average	3.1	0	10	0	1.4	0	0	0	12	0	0	5.8	12
Total Lead	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Lead	UG/L	Maximum	8.6	8.2	17	0	8.1	0	0	0	6.5	0	0	6.9	17
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	8.6	8.2	12.2	0	8.1	0	0	0	6.5	0	0	6.9	12.2
pH	PH UNITS	# of Samples	5	2	4	4	5	4	4	4	4	4	4	3	47
pH	PH UNITS	Maximum	12.1	10.7	10.3	11.3	11.9	11.6	11.0	12.1	11.5	11.3	10.7	7.0	12.1
pH	PH UNITS	Minimum	6.1	9.3	6.5	10.2	10.6	9.7	5.0	9.9	4.9	7.0	6.9	5.8	4.9
pH	PH UNITS	Exceedance(<5.5,>9.0)	4	2	1	4	5	4	3	4	3	3	2	0	35
Phenolics	MG/L	# of Samples	1	0	1	0	1	0	0	0	1	0	0	1	5
Phenolics	MG/L	Maximum	0.011	0	0.021	0	0.012	0	0	0	0.036	0	0	<0.0010	0.036
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.011	0	0.021	0	0.012	0	0	0	0.036	0	0	0.0005	0.036
Total Suspended Solids	MG/L	# of Samples	5	1	3	4	5	4	4	4	4	4	4	3	45
Total Suspended Solids	MG/L	Maximum	260	73	360	92	54	240	160	190	120	120	110	230	360
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	111.2	73	243.3	54.8	38.4	99.3	76.3	88	65.3	98.5	77.8	132.7	243.3
Total Zinc	UG/L	# of Samples	1	1	2	0	1	0	0	0	1	0	0	1	7
Total Zinc	UG/L	Maximum	200	69	93	0	140	0	0	0	81	0	0	130	200
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	200	69	87	0	140	0	0	0	81	0	0	130	200

TABLE 49: Newfoundland Transshipment Limited 2018 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	1	0	0	0	1	0	3
pH	PH UNITS	Maximum	0	0	6.6	0	0	0	6.4	0	0	0	6.8	0	6.8
pH	PH UNITS	Minimum	0	0	6.6	0	0	0	6.4	0	0	0	6.8	0	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	1	0	0	0	1	0	3
Calculated TDS	MG/L	Maximum	0	0	1510	0	0	0	466	0	0	0	170	0	1510
Calculated TDS	MG/L	Exceedance(>36000)	0	0	1510	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	1510	0	0	0	466	0	0	0	170	0	1510
Total Oil and Grease	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	0	1	0	3
Total Oil and Grease	MG/L	Maximum	0	0	1.7	0	0	0	2.2	0	0	0	7.4	0	7.4
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0	0	1.7	0	0	0	2.2	0	0	0	7.4	0	7.4
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	0	1	0	0	0	1	0	3
Total Suspended Solids	MG/L	Maximum	0	0	1.6	0	0	0	<1.6	0	0	0	<1.6	0	1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	1.6	0	0	0	0.8	0	0	0	0.8	0	1.6

TABLE 50: Newfoundland Transshipment Limited 2018 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	1	0	0	0	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	6.9	0	0	0	0	0	0	6.9	0	0	6.9
pH	PH UNITS	Minimum	0	0	6.9	0	0	0	0	0	0	6.9	0	0	6.9
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Oil and Grease	MG/L	Maximum	0	0	2.5	0	0	0	0	0	0	2.8	0	0	2.8
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	2.5	0	0	0	0	0	0	2.8	0	0	2.8
Total Suspended Solids	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	<1.6	0	0	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	0.8	0	0	0	0	0	0	0.8	0	0	0.8

TABLE 51: Newfoundland Transshipment Limited 2018 Tank No. 1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8.4	0	0	7.3	0	0	7.7	0	0	7.5	0	0	8.4
pH	PH UNITS	Minimum	8.4	0	0	7.3	0	0	7.7	0	0	7.5	0	0	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3.2	0	0	6.2	0	0	3.6	0	0	6.2	0	0	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	3.2	0	0	6.2	0	0	3.6	0	0	6.2	0	0	6.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	5.1	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	5.1
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	5.1	0	0	0.8	0	0	0.8	0	0	0.8	0	0	5.1

TABLE 52: Newfoundland Transshipment Limited 2018 Tank No. 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.9	0	0	7.4	0	0	7.9	0	0	7.7	0	0	7.9
pH	PH UNITS	Minimum	7.9	0	0	7.4	0	0	7.9	0	0	7.7	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	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5	0	0	6.2	0	0	1.9	0	0	6.2	0	0	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	5	0	0	6.2	0	0	1.9	0	0	6.2	0	0	6.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	5.1	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	5.1
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	5.1	0	0	0.8	0	0	0.8	0	0	0.8	0	0	5.1

TABLE 53: Newfoundland Transshipment Limited 2018 Tank No. 3

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	7.5	0	0	7.8	0	0	7.8	0	0	8
pH	PH UNITS	Minimum	8	0	0	7.5	0	0	7.8	0	0	7.8	0	0	7.5
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	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	7.5	0	0	8.7	0	0	4.2	0	0	5.5	0	0	8.7
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	7.5	0	0	8.7	0	0	4.2	0	0	5.5	0	0	8.7
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	2.9	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	2.9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.9	0	0	0.8	0	0	0.8	0	0	0.8	0	0	2.9

TABLE 54: Newfoundland Transshipment Limited 2018 Tank No. 4

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	7.4	0	0	7.6	0	0	7.6	0	0	8
pH	PH UNITS	Minimum	8	0	0	7.4	0	0	7.6	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	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	9.2	0	0	7.3	0	0	3.1	0	0	4.1	0	0	9.2
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	9.2	0	0	7.3	0	0	3.1	0	0	4.1	0	0	9.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	4.5	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	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	4.5	0	0	0.8	0	0	0.8	0	0	0.8	0	0	4.5

TABLE 55: Newfoundland Transshipment Limited 2018 Tank No. 5

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	7.2	0	0	7.4	0	0	7.5	0	0	8
pH	PH UNITS	Minimum	8	0	0	7.2	0	0	7.4	0	0	7.5	0	0	7.2
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	6.8	0	0	3.6	0	0	4.2	0	0	7.9	0	0	7.9
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	6.8	0	0	3.6	0	0	4.2	0	0	7.9	0	0	7.9
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	3.7	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	3.7
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	3.7	0	0	0.8	0	0	0.8	0	0	0.8	0	0	3.7

TABLE 56: Newfoundland Transshipment Limited 2018 Tank No. 6

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.9	0	0	7.2	0	0	7.4	0	0	7.4	0	0	7.9
pH	PH UNITS	Minimum	7.9	0	0	7.2	0	0	7.4	0	0	7.4	0	0	7.2
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3.3	0	0	4.2	0	0	1.3	0	0	3.7	0	0	4.2
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	3.3	0	0	4.2	0	0	1.3	0	0	3.7	0	0	4.2
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	4.8	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	4.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	4.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	4.8

TABLE 57: Newfoundland Transshipment Limited 2018 Tank No. 7

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.4	0	0	7.8	0	0	7.7	0	0	7.9	0	0	7.9
pH	PH UNITS	Minimum	7.4	0	0	7.8	0	0	7.7	0	0	7.9	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	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	7.5	0	0	4.1	0	0	5.1	0	0	5.3	0	0	7.5
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	7.5	0	0	4.1	0	0	5.1	0	0	5.3	0	0	7.5
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 58: Newfoundland and Labrador Hydro (Holyrood) 2018 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Silver	MG/L	Maximum	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0	<0.00010	<0.00010	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	0.00005	0.00005	0.00005
Total Arsenic	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	<0.0020	<0.0020	<0.0020
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.001	0	0.001	0.001	0.001
Total Barium	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Barium	MG/L	Maximum	0.032	0.0085	0.027	0.018	0.046	0.032	0.046	0.022	0.033	0	0.015	0.048	0.048
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	0.032	0.0085	0.026	0.018	0.04	0.032	0.046	0.022	0.033	0	0.015	0.048	0.048
Total Boron	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Boron	MG/L	Maximum	<0.050	<0.050	<0.050	<0.050	0.01	0.011	0.012	0.01	0.018	0	0.02	0.009	<0.050
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.025	0.025	0.025	0.025	0.013	0.011	0.012	0.01	0.018	0	0.02	0.009	0.025
BOD/ CBOD	MG/L	# of Samples	5	4	4	5	3	4	5	3	4	5	4	3	49
BOD/ CBOD	MG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	23	<2.0	<2.0	5	<2.0	<2.0	23
BOD/ CBOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	1	0	0	0	0	0	1
BOD/ CBOD	MG/L	Monthly Average	1	1	1	1	1	1	5.4	1	1	2.2	1	1	5.4
Total Cadmium	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Cadmium	MG/L	Maximum	0.000041	0.00004	0.000029	0.000027	0.000019	<0.00009	<0.00009	<0.00009	<0.00009	0	<0.00009	<0.00009	0.000041
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	0.00004	0.00004	0.00002	0.00003	0.00009	0.00005	0.00005	0.00005	0.00005	0	0.00005	0.00005	0.00004
Total Chromium	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Chromium	MG/L	Maximum	0.0013	0.0018	0.0015	<0.0010	<0.0010	<0.0010	<0.0010	0.001	0.001	0	0.001	0.001	0.0018
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0013	0.0018	0.001	0.0005	0.0006	0.0005	0.0005	0.001	0.001	0	0.001	0.001	0.0018
Total Copper	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Copper	MG/L	Maximum	0.0021	0.0031	0.0026	0.0024	0.0024	0.002	0.002	0.004	0.004	0	0.004	0.002	0.0031
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	0.0021	0.0031	0.00255	0.0024	0.0016	0.002	0.002	0.004	0.004	0	0.004	0.002	0.0031

CBOD was analysed instead of BOD.

TABLE 58 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	1	1	2	1	5	1	1	1	1	1	1	1	17
Total Iron	MG/L	Maximum	0.26	0.51	0.83	0.19	0.22	0.36	0.16	0.27	1.84	0.78	0.93	0.30	1.84
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	0.26	0.51	0.56	0.19	0.13	0.36	0.16	0.27	1.84	0.78	0.93	0.30	1.84
Total Mercury	MG/L	# of Samples	1	1	2	1	0	1	1	1	1	0	1	1	11
Total Mercury	UG/L	Maximum	<0.0013	<0.0013	0.0015	<0.0013	0	<0.0026	<0.0026	<0.0026	<0.0026	0	<0.0026	<0.0026	0.0015
Total Mercury	UG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.00065	0.00065	0.00108	0.00065	0	0.0013	0.0013	0.0013	0.0013	0	0.0013	0.0013	0.00108
Total Nickel	MG/L	# of Samples	1	1	2	1	5	1	1	1	1	1	1	1	17
Total Nickel	MG/L	Maximum	<0.0020	0.0023	<0.0020	<0.0020	0.005	0.003	<0.0020	0.01	0.003	0.003	<0.0020	<0.0020	0.003
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	0.001	0.0023	0.001	0.001	0.0003	0.003	0.001	0.01	0.003	0.003	0	0	0.003
Ammonia	MG/L	# of Samples	1	1	2	1	1	1	1	0	1	0	1	1	11
Ammonia	MG/L	Maximum	<0.050	0.067	0.1	<0.050	0.03	<0.03	0.05	0	0.55	0	0.04	0.09	0.55
Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonia	MG/L	Monthly Average	0.025	0.067	0.076	0.025	0.03	0.015	0.05	0	0.55	0	0.04	0.09	0.55
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	1	1	0	1	0	1	1	6
Total Nitrate	MG/L	Maximum	0	0	0	0	0.39	0.23	0.41	0	0.17	0	0.12	0.49	0.49
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	0.39	0.23	0.41	0	0.17	0	0.12	0.49	0.49
Orthophosphate	MG/L	# of Samples	1	1	2	1	1	1	1	0	1	0	1	1	11
Orthophosphate	MG/L	Maximum	<0.010	0.014	0.015	<0.010	<0.01	<0.01	0.01	0	0.01	0	<0.01	0.01	0.015
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	0.014	0.01	0.005	0.005	0.005	0.01	0	0.01	0	0.005	0.01	0.014
Total Lead	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Lead	MG/L	Maximum	<0.00050	0.00061	0.0015	0.0006	<0.00050	0.0007	<0.00050	0.0005	0.0010	0	0.0011	<0.00050	0.0015
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00061	0.00104	0.0006	0.00025	0.0007	0.00025	0.0005	0.0010	0	0.0011	0.00025	0.0011
pH	PH UNITS	# of Samples	6	5	6	6	5	5	6	4	5	5	5	5	63
pH	PH UNITS	Maximum	7.22	7.21	7.2	7.49	7.61	7.5	7.42	7.62	7.5	7.7	7.17	7.4	7.7
pH	PH UNITS	Minimum	6.8	6.5	6.8	6.6	6.67	6.6	6.44	6.23	6.8	6.7	6.4	6.7	6.23
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 58 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	1	1	2	1	1	0	0	0	1	0	1	1	9
Phenolics	MG/L	Maximum	<0.0010	<0.0010	0.012	<0.0010	<0.001	0	0	0	<0.001	0	0.002	<0.001	0.012
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	0.00625	0.0005	0.0005	0	0	0	0.0005	0	0.0020	0.0005	0.0063
Total Selenium	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Selenium	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	<0.0010	<0.0010	<0.0010
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	0.0005	0.0005	0.0005
Sulphide	MG/L	# of Samples	1	1	2	1	1	0	0	0	1	0	1	1	9
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.05	0	0	0	<0.05	0	<0.05	<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	0.010	0.010	0.010	0.010	0.025	0	0	0	0.025	0	0.025	0.025	0.025
Calculated TDS	MG/L	# of Samples	1	1	2	1	1	1	1	0	1	0	1	1	11
Calculated TDS	MG/L	Maximum	230	340	210	87	93	72	96	0	216	0	145	115	340
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	230	340	155	87	93	72	96	0	216	0	145	115	340
TDS Measured	MG/L	# of Samples	4	4	4	5	4	4	5	3	4	5	4	4	50
TDS Measured	MG/L	Maximum	440	370	210	190	200	160	142	134	222	160	220	180	440
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	200	247.5	128.8	130.4	141	124	115.2	104	143	136	110	130	247.5
Total Oil and Grease	MG/L	# of Samples	5	4	4	5	4	6	5	4	4	5	4	4	54
Total Oil and Grease	MG/L	Maximum	1.2	1.5	0.5	<0.50	1.1	1.4	1.8	2	1	<1.0	0.5	0.5	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	0.57	0.85	0.31	0.25	0.71	0.93	1.22	0.88	0.63	0.35	0.31	0.31	1.22
Total Suspended Solids	MG/L	# of Samples	6	4	4	5	4	4	5	4	4	5	4	4	53
Total Suspended Solids	MG/L	Maximum	5.5	3.5	4.3	4.0	2.9	1.4	2.3	2.9	566.0	642.0	6.0	5.9	642.0
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	1	1	0	0	2
Total Suspended Solids	MG/L	Monthly Average	2.4	2.7	2.2	2.3	2.5	1.2	1.3	2.3	147.8	135.8	3.6	2.5	147.8
Total Zinc	MG/L	# of Samples	1	1	2	1	4	1	1	1	1	0	1	1	15
Total Zinc	MG/L	Maximum	0.024	0.052	0.059	0.019	0.026	0.009	0.009	0.007	0.024	0	0.056	0.032	0.059
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	0.024	0.052	0.041	0.019	0.017	0.009	0.009	0.007	0.024	0	0.056	0.032	0.056

TABLE 59: Newfoundland and Labrador Hydro (Holyrood) 2018 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Silver	MG/L	Maximum	<0.00010	0	0	0	<0.00010	<0.00010	0	0	<0.00010	0	0	<0.00010	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0	0	0	0.00005	0.00005	0	0	0.00005	0	0	0.00005	0.00005
Total Arsenic	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Arsenic	MG/L	Maximum	<0.0010	0	0	0	<0.0010	<0.0020	0	0	<0.0020	0	0	0.006	0.006
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0	0.0005	0.001	0	0	0.001	0	0	0.006	0.006
Total Barium	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Barium	MG/L	Maximum	0.007	0	0	0	0.008	0.007	0	0	0.019	0	0	0.013	0.019
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.007	0	0	0	0.0044	0.0048	0	0	0.019	0	0	0.013	0.019
Total Boron	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Boron	MG/L	Maximum	<0.050	0	0	0	0.008	0.016	0	0	0.02	0	0	0.035	0.035
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	0.025	0	0	0	0.01	0.009	0	0	0.02	0	0	0.035	0.035
Total Cadmium	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Cadmium	MG/L	Maximum	0.000032	0	0	0	0.00135	<0.00009	0	0	0.00194	0	0	0.00011	0.00135
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	0.000032	0	0	0	0.00069	0.000045	0	0	0.00194	0	0	0.00011	0.00069
Total Chromium	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Chromium	MG/L	Maximum	<0.0010	0	0	0	<0.0010	<0.001	0	0	0.003	0	0	0.001	0.003
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0	0	0	0.0005	0.0005	0	0	0.003	0	0	0.001	0.003
Total Copper	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Copper	MG/L	Maximum	<0.0020	0	0	0	0.055	0.033	0	0	0.038	0	0	0.001	0.055
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	0.001	0	0	0	0.0028	0.033	0	0	0.038	0	0	0.001	0.038
Total Iron	MG/L	# of Samples	6	4	4	5	5	4	5	1	3	5	4	5	51
Total Iron	MG/L	Maximum	0.058	0.089	0.065	0.23	0.293	0.49	0.65	0.45	1.01	4.93	0.96	0.16	4.93
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	0.036	0.056	0.043	0.097	0.173	0.201	0.253	0.450	0.632	1.120	0.343	0.092	1.120

TABLE 59 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Mercury	MG/L	# of Samples	1	0	0	0	1	0	0	0	1	0	0	1	4
Total Mercury	MG/L	Maximum	<0.000013	0	0	0	<0.000013	0	0	0	<0.000026	0	0	<0.000026	<0.000013
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	0.0000065	0	0	0	0.0000065	0	0	0	0.000013	0	0	0.000013	0.000013
Total Nickel	MG/L	# of Samples	6	4	4	5	5	4	5	1	3	5	4	5	51
Total Nickel	MG/L	Maximum	0.007	0.005	0.003	0.041	0.110	0.012	0.024	0.103	0.174	0.032	0.005	0.008	0.174
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	0.003	0.002	0.009	0.050	0.007	0.016	0.103	0.129	0.015	0.004	0.004	0.129
Ammonia	MG/L	# of Samples	1	0	0	0	2	0	0	0	1	0	0	1	5
Ammonia	MG/L	Maximum	0.25	0	0	0	0.21	0	0	0	0.28	0	0	0.37	0.37
Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonia	MG/L	Monthly Average	0.25	0	0	0	0.12	0	0	0	0.28	0	0	0.37	0.37
Total Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Nitrate	MG/L	Maximum	0	0	0	0	<0.05	0	0	0	0.17	0	0	0.07	0.17
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	0.025	0	0	0	0.17	0	0	0.07	0.17
Orthophosphate	MG/L	# of Samples	1	0	0	0	2	0	0	0	1	0	0	1	5
Orthophosphate	MG/L	Maximum	<0.010	0	0	0	0.018	0	0	0	0.04	0	0	<0.010	0.04
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0	0	0	0.012	0	0	0	0.04	0	0	0.005	0.04
Total Lead	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Lead	MG/L	Maximum	<0.0005	0	0	0	<0.0005	<0.0005	0	0	0.0012	0	0	<0.0005	0.0012
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0	0	0.00025	0.00025	0	0	0.0012	0	0	0.00025	0.0012
pH	PH UNITS	# of Samples	7	4	4	5	6	4	5	1	3	5	4	5	53
pH	PH UNITS	Maximum	6.8	7.5	7.1	7.3	7.31	6.6	6.74	6.58	7.02	6.51	6.86	6.86	7.5
pH	PH UNITS	Minimum	6.37	6.6	6.7	6.26	6.4	6.2	5.97	6.58	6.6	6.3	6.6	6.4	5.97
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	1	0	0	0	1	0	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0.0013	0	0	0	<0.0010	0	0	0	<0.001	0	0	<0.001	0.0013
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0013	0	0	0	0.0005	0	0	0	0.0005	0	0	0.0005	0.0013

TABLE 59 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Selenium	MG/L	Maximum	<0.0010	0	0	0	<0.0010	<0.0010	0	0	0.001	0	0	0.001	0.001
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0005	0	0	0	0.0005	0.0005	0	0	0.001	0	0	0.001	0.001
Sulphide	MG/L	# of Samples	1	0	0	0	1	0	0	0	0	0	0	1	3
Sulphide	MG/L	Maximum	<0.02	0	0	0	<0.02	0	0	0	0	0	0	<0.05	<0.05
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0	0	0	0.01	0	0	0	0	0	0	0.03	0.03
Calculated TDS	MG/L	# of Samples	1	0	0	0	2	0	0	0	1	0	0	1	5
Calculated TDS	MG/L	Maximum	36	0	0	0	38	0	0	0	168	0	0	180	180
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	36	0	0	0	31	0	0	0	168	0	0	180	180
Total Oil and Grease	MG/L	# of Samples	5	4	4	5	4	4	5	1	2	5	4	4	47
Total Oil and Grease	MG/L	Maximum	1.8	1.7	0.7	<0.50	<1.0	2.3	2.5	1.1	2.1	1.5	1.2	<0.5	2.5
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0.56	0.9	0.3625	0.25	0.4375	1.65	0.9	1.1	1.3	0.55	0.4875	0.25	1.65
Total Suspended Solids	MG/L	# of Samples	6	4	4	5	4	4	5	1	2	5	4	4	48
Total Suspended Solids	MG/L	Maximum	8.5	4.0	4.3	4.5	2.8	13.0	8.5	2.3	7.5	2.8	8.8	1.4	13.0
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.1	2.6	2.0	2.8	1.8	4.1	4.3	2.3	5.0	1.9	4.5	0.9	5.0
Total Zinc	MG/L	# of Samples	1	0	0	0	4	2	0	0	1	0	0	1	9
Total Zinc	MG/L	Maximum	0.02	0	0	0	0.385	0.023	0	0	1.64	0	0	0.017	1.64
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Monthly Average	0.02	0	0	0	0.1585	0.017	0	0	1.64	0	0	0.017	1.64

TABLE 60: Newfoundland and Labrador Hydro (Holyrood) 2018 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	<0.0001	0	0	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0.00005	0	0	0	0	0	0	0.00005

TABLE 60 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 OS1

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	2	2	0	0	0	0	0	0	4
Total Arsenic	MG/L	Maximum	0	0	0	0	0.006	0.01	0	0	0	0	0	0	0.01
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	0.0035	0.0075	0	0	0	0	0	0	0.0075
Total Barium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Barium	MG/L	Maximum	0	0	0	0	0.031	0.055	0	0	0	0	0	0	0.055
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	0.01675	0.035	0	0	0	0	0	0	0.035
Total Boron	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Boron	MG/L	Maximum	0	0	0	0	0.187	0.57	0	0	0	0	0	0	0.57
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	0.1105	0.3565	0	0	0	0	0	0	0.3565
Total Cadmium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Cadmium	MG/L	Maximum	0	0	0	0	0.00046	0.00031	0	0	0	0	0	0	0.00046
Total Cadmium	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.00029	0.00029	0	0	0	0	0	0	0.00029
Total Chromium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Chromium	MG/L	Maximum	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0.002
Total Chromium	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0.002
Total Copper	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Copper	MG/L	Maximum	0	0	0	0	0.094	0.079	0	0	0	0	0	0	0.094
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.0665	0.07	0	0	0	0	0	0	0.07
Total Iron	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Iron	MG/L	Maximum	0.53	1.40	3.30	8.50	2.10	5.75	1.98	4.52	1.63	4.08	3.90	0.41	8.50
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	0.35	0.43	1.65	2.40	0.85	1.99	0.99	2.02	0.83	1.32	1.64	0.32	2.40
Total Nickel	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Nickel	MG/L	Maximum	0.077	0.04	0.064	0.088	0.081	0.019	0.004	0.018	0.003	0.032	0.004	0.005	0.088
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	0.038	0.021	0.036	0.037	0.052	0.057	0.002	0.005	0.002	0.007	0.002	0.003	0.057

TABLE 60 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 OS1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Lead	MG/L	Maximum	0	0	0	0	0.0008	0.0045	0	0	0	0	0	0	0.0045
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	0.000525	0.00285	0	0	0	0	0	0	0.00255
pH	PH UNITS	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
pH	PH UNITS	Maximum	8.4	7.6	7.4	7.3	6.9	7.8	6.7	6.9	7.2	7.0	7.7	6.9	8.4
pH	PH UNITS	Minimum	6.3	6.3	6.6	6.3	6.3	6.3	6.4	6.5	6.7	6.6	6.9	6.4	6.3
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	2	2	0	0	0	0	0	0	4
Total Selenium	MG/L	Maximum	0	0	0	0	0.005	0.017	0	0	0	0	0	0	0.017
Total Selenium	MG/L	Exceedance(>0.010)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.003	0.011	0	0	0	0	0	0	0.011
Total Oil and Grease	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Oil and Grease	MG/L	Maximum	0.9	1.3	1.4	<0.50	1.8	1.6	2	4.8	1.4	0.6	1.3	<0.5	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	0.4	0.8	0.5	0.3	1.0	1.1	1.0	1.9	0.7	0.4	0.6	0.3	1.9
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Suspended Solids	MG/L	Maximum	2	19	7	4	4	3	12	2	8	4	11	1	19
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	1.3	6.5	2.9	2.9	3.0	2.6	3.5	2.0	4.6	2.7	4.7	0.6	6.5
Total Zinc	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Zinc	MG/L	Maximum	0	0	0	0	0.67	0.228	0	0	0	0	0	0	0.67
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.3715	0.186	0	0	0	0	0	0	0.3715

TABLE 61: Newfoundland and Labrador Hydro (Holyrood) 2018 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	<0.0001	0	0	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0.00005	0	0	0	0	0	0	0.00005

TABLE 61 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 OS2

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	2	2	0	0	0	0	0	0	4
Total Arsenic	MG/L	Maximum	0	0	0	0	0.002	<0.002	0	0	0	0	0	0	0.002
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0015	0.001	0	0	0	0	0	0	0.0015
Total Barium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Barium	MG/L	Maximum	0	0	0	0	0.024	0.014	0	0	0	0	0	0	0.024
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	0.014	0	0	0	0	0	0	0.02
Total Boron	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Boron	MG/L	Maximum	0	0	0	0	0.058	0.011	0	0	0	0	0	0	0.058
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	0.0385	0.011	0	0	0	0	0	0	0.0385
Total Cadmium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Cadmium	MG/L	Maximum	0	0	0	0	<0.000009	<0.000009	0	0	0	0	0	0	<0.000009
Total Cadmium	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.000005	0.000005	0	0	0	0	0	0	0.000005
Total Chromium	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Chromium	MG/L	Maximum	0	0	0	0	0.002	0.001	0	0	0	0	0	0	0.002
Total Chromium	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.0013	0.0008	0	0	0	0	0	0	0.0
Total Copper	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Copper	MG/L	Maximum	0	0	0	0	0.012	0.008	0	0	0	0	0	0	0.012
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.008	0.0065	0	0	0	0	0	0	0.008
Total Iron	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Iron	MG/L	Maximum	3.50	2.20	2.60	1.30	1.32	0.80	1.52	0.77	3.92	1.35	3.05	5.62	5.62
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	1.47	1.40	1.87	0.80	0.83	0.47	0.86	0.35	1.46	0.87	2.60	2.84	2.84
Total Nickel	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Nickel	MG/L	Maximum	0.0410	0.0088	0.0044	0.0053	0.0060	0.0140	0.0270	0.0070	0.0480	0.0410	0.0110	0.0120	0.0480
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	0.0208	0.0044	0.0031	0.0034	0.0033	0.0058	0.0128	0.0048	0.0248	0.0166	0.0060	0.0068	0.0248

TABLE 61 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 OS2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Lead	MG/L	Maximum	0	0	0	0	0.0008	0.0012	0	0	0	0	0	0	0.0012
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	0.0007	0	0	0	0	0	0	0.000725
pH	PH UNITS	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
pH	PH UNITS	Maximum	6.8	7.2	7.1	8.1	6.7	6.5	6.4	6.2	6.8	6.7	6.5	6.3	8.1
pH	PH UNITS	Minimum	5.9	5.7	6.7	6.2	5.6	5.7	5.8	6.0	5.8	5.6	6.1	6.1	5.6
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	2	2	0	0	0	0	0	0	4
Total Selenium	MG/L	Maximum	0	0	0	0	0.002	<0.001	0	0	0	0	0	0	0.002
Total Selenium	MG/L	Exceedance(>0.010)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0.0015	0.0005	0	0	0	0	0	0	0.0015
Total Oil and Grease	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Oil and Grease	MG/L	Maximum	1.6	5.2	1.6	<0.50	1.1	1.8	4.3	2.4	2	1	1.1	0.8	5.2
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	0.5	2.0	0.6	0.3	0.6	1.3	2.2	1.7	0.9	0.6	0.7	0.4	2.2
Total Suspended Solids	MG/L	# of Samples	5	4	4	5	4	4	5	4	4	5	4	4	52
Total Suspended Solids	MG/L	Maximum	8.7	3.75	6	3	3.75	5.25	5.63	17	3.5	3	7.3	2.25	17
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	3.6	3.1	2.5	1.8	3.3	2.5	3.9	6.4	2.7	1.9	3.0	1.5	6.4
Total Zinc	MG/L	# of Samples	0	0	0	0	2	2	0	0	0	0	0	0	4
Total Zinc	MG/L	Maximum	0	0	0	0	0.051	0.023	0	0	0	0	0	0	0.051
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	0.029	0.018	0	0	0	0	0	0	0.029

TABLE 62: Newfoundland and Labrador Hydro (Holyrood) 2018 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Silver	MG/L	Maximum	0	0	0	0	<0.0001	0	0	0	0	0	0	0	<0.0001
Total Silver	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0	0	0	0	0	0.00005

TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 WWTP

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	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0	0	0	0.002
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.002	0	0	0	0	0	0	0	0.002
Total Barium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Barium	MG/L	Maximum	0	0	0	0	0.011	0	0	0	0	0	0	0	0.011
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	0.011	0	0	0	0	0	0	0	0.011
Total Boron	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Boron	MG/L	Maximum	0	0	0	0	0.261	0	0	0	0	0	0	0	0.261
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	0.261	0	0	0	0	0	0	0	0.261
Total Cadmium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Cadmium	MG/L	Maximum	0	0	0	0	0.00132	0	0	0	0	0	0	0	0.00132
Total Cadmium	MG/L	Exceedance(>0.050)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0.00132	0	0	0	0	0	0	0	0.00132
Total Chromium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Chromium	MG/L	Maximum	0	0	0	0	0.001	0	0	0	0	0	0	0	0.001
Total Chromium	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0.001	0	0	0	0	0	0	0	0.001
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0.009	0	0	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	0.009	0	0	0	0	0	0	0	0.009
Total Iron	MG/L	# of Samples	12	13	8	5	1	5	6	1	2	10	6	4	73
Total Iron	MG/L	Maximum	0.862	1.607	0.610	0.573	1	0.632	0.590	0.090	0.700	0.440	<0.3	<0.3	1.607
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	0.537	0.477	0.316	0.375	0.908	0.433	0.447	0.090	0.550	0.223	0.150	0.150	0.550
Total Nickel	MG/L	# of Samples	12	13	8	5	1	5	6	1	2	10	6	4	73
Total Nickel	MG/L	Maximum	0.050	0.093	0.039	0.073	0.077	0.065	0.059	0.029	0.070	0.081	0.092	0.068	0.093
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.034	0.030	0.028	0.034	0.077	0.059	0.042	0.029	0.059	0.052	0.069	0.050	0.077

TABLE 62 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2018 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	0.0007	0	0	0	0	0	0	0	0.0007
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	0.0007	0	0	0	0	0	0	0	0.0007
pH	PH UNITS	# of Samples	12	12	8	5	1	5	6	1	2	10	5	4	71
pH	PH UNITS	Maximum	8.9	8.9	9.0	9.1	8.5	8.4	8.5	8.2	8.4	8.3	8.0	8.8	9.1
pH	PH UNITS	Minimum	8.3	8.5	8.5	8.8	8.5	7.7	7.8	8.2	8.1	7.4	7.3	7.7	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Selenium	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Selenium	MG/L	Maximum	0	0	0	0	0.002	0	0	0	0	0	0	0	0.002
Total Selenium	MG/L	Exceedance(>0.010)	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	0	0.002
Total Suspended Solids	MG/L	# of Samples	12	12	8	5	1	5	6	1	2	10	5	4	71
Total Suspended Solids	MG/L	Maximum	22.2	19.0	22.0	13.3	16.0	7.0	7.9	19.5	10.0	29.3	21.8	9.8	29.3
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	9.8	8.9	7.5	5.1	16.0	5.0	6.3	19.5	7.5	19.0	9.1	3.2	19.5
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	0.241	0	0	0	0	0	0	0	0.241
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	0.241	0	0	0	0	0	0	0	0.241

TABLE 63: North Atlantic Refinery Limited 2018 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	2	1	1	1	1	13
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	2	1	1	1	1	13
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium+Ammonia, Total	LBS/DAY	# of Samples	13	12	13	12	14	12	13	13	13	13	13	13	154
Ammonium+Ammonia, Total	LBS/DAY	Maximum	222.7	216.0	523.8	180.5	416.3	279.5	242.5	278.1	121.7	94.1	61.7	116.0	523.8
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	130.9	165.3	256.7	99.3	182.9	95.1	154.2	187.6	47.7	38.4	31.7	35.9	256.7
pH	PH UNITS	# of Samples	31	28	32	31	31	30	30	32	30	31	30	32	368
pH	PH UNITS	Maximum	8.4	8.4	7.9	7.8	8	8.2	8.1	8	8.1	7.9	7.8	7.9	8.4
pH	PH UNITS	Minimum	7	7.2	7.4	7.3	7.5	7.7	7.5	7.6	7.5	7.6	7.2	7.4	7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	# of Samples	13	12	13	12	14	12	13	13	13	13	13	13	154
Phenolics	LBS/DAY	Maximum	0.44	0.74	0.95	0.95	1.73	1.18	6.05	1.35	1.4	1.65	0.41	0.58	6.05
Phenolics	LBS/DAY	Exceedance(>77)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	Monthly Average	0.26	0.25	0.45	0.40	0.59	0.39	1.23	0.51	0.33	0.32	0.21	0.26	1.23
Sulphide	LBS/DAY	# of Samples	13	12	13	12	14	12	13	13	13	13	13	13	154
Sulphide	LBS/DAY	Maximum	3.39	1.63	4.83	2.19	4.34	2.12	6.06	3.69	1.68	11.56	7.6	7.9	11.56
Sulphide	LBS/DAY	Exceedance(>42)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	LBS/DAY	Monthly Average	1.77	1.18	1.95	1.31	1.61	1.30	3.06	2.22	0.85	1.83	1.60	0.99	3.06
Total Oil and Grease	LBS/DAY	# of Samples	13	12	13	12	14	12	13	13	13	13	13	13	154
Total Oil and Grease	LBS/DAY	Maximum	197	190	185	297	231	358	448	271	156	250	309	218	448
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	111.7	55.9	97.5	93.2	109.6	86.8	176.9	163.7	70.5	84.0	94.7	77.0	176.9
Total Suspended Solids	LBS/DAY	# of Samples	12	12	12	8	12	11	9	13	13	12	11	12	137
Total Suspended Solids	LBS/DAY	Maximum	452	576	1140	461	723	478	968	627	757	472	1273	696	1273
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	233.7	233.8	478.7	320.0	420.4	292.3	446.8	403.4	340.8	313.4	488.4	310.1	488.4

TABLE 64: Pardy's Waste Management 2018 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	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Silver	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	7	9	9
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	7	9	9
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	66	26	66
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	0	0	0	0	0	66	26	66
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	178	234	234
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	178	234	234
Biochemical Oxygen Demand	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Biochemical Oxygen Demand	MG/L	Maximum	8	5	6	113	5	<6	<6	8	<30	<6	0	13	113
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	1	0	0	0	0	0	0	0	0	1
Biochemical Oxygen Demand	MG/L	Monthly Average	5	5	6	61	3.7	3	3	5	15	2.3	0	11.5	61
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.2	0.46	0.46
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.2	0.46	0.46
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	2	2	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	0	0	0	0	0	0	0	0	2	2	2
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	42	82	82
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	42	82	82

TABLE 64 CONTINUED: Pardy's Waste Management 2018 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Fecal Coliform MPN	MPN/ML	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Fecal Coliform MPN	MPN/ML	Maximum	0.03	0.07	0.02	>24.2	0.07	<0.01	1.08	0.1	0.05	0.05	0	0.09	>24.2
Fecal Coliform MPN	MPN/ML	Exceedance(>10)	0	0	0	1	0	0	0	0	0	0	0	0	1
Fecal Coliform MPN	MPN/ML	Monthly Average	0.053	0.07	0.02	12.99	0.0466	0.005	0.055	0.06333	0.05	0.03	0	0.07	12.99
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	446	481	481
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	0	0	0	0	0	446	481	481
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	68	89	89
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	68	89	89
Ammonium+Ammonia, Total	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Ammonium+Ammonia, Total	MG/L	Maximum	1.42	0.13	1.08	0.56	0.96	160	0.49	0.32	0.24	0.09	0	0.18	160
Ammonium+Ammonia, Total	MG/L	Exceedance(>2)	0	0	0	0	0	1	0	0	0	0	0	0	1
Ammonium+Ammonia, Total	MG/L	Monthly Average	0.49	0.13	1.08	0.33	0.58	80.06	0.3	0.27	0.24	0.05	0	0.18	80.06
Total Nitrate	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Total Nitrate	MG/L	Maximum	185	191	196	93.6	66	78.5	30.4	26	168	133	0	123	196
Total Nitrate	MG/L	Exceedance(>10)	3	1	1	1	3	2	1	3	1	3	0	2	21
Total Nitrate	MG/L	Monthly Average	157.3	191	196	46.9	48.7	48.7	19.8	20.7	168	124	0	105.9	196
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.5	<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	0	0	0	0	0	0	0	0	0.25	0.25	0.25
pH	PH UNITS	# of Samples	3	1	1	2	3	2	2	4	1	3	0	2	24
pH	PH UNITS	Maximum	6.68	6.42	5.38	6.56	6.39	6.87	6.33	7.41	5.73	6.17	0	6.54	7.41
pH	PH UNITS	Minimum	6.06	6.42	5.38	6.53	6.12	6.17	6.33	6.65	5.73	6.16	0	6.06	5.38
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	4	3	4
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	4	3	4

TABLE 64 CONTINUED: Pardy's Waste Management 2018 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TDS Measured	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
TDS Measured	MG/L	Maximum	1740	1642	2170	1580	1400	1440	1160	2090	1980	2520	0	1820	2520
TDS Measured	MG/L	Exceedance(>1000)	3	1	1	1	3	2	2	3	1	3	0	2	22
TDS Measured	MG/L	Monthly Average	1550	1642	2170	1256	1300	1285	1100	1810	1980	2286.7	0	1760	2286.7
Total Oil and Grease	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Total Oil and Grease	MG/L	Maximum	2.4	<1.0	1.3	1.3	2.1	3.5	2.3	2	1	1	0	2.1	3.5
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	1.7	0.5	1.3	1.2	1.0	2.7	1.8	1.6	1	0.6	0	1.65	2.7
Total Suspended Solids	MG/L	# of Samples	3	1	1	2	3	2	2	3	1	3	0	2	23
Total Suspended Solids	MG/L	Maximum	17	10	8	108	22	14	9	64	9	13	0	57	108
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	1	0	0	0	2	0	0	0	1	4
Total Suspended Solids	MG/L	Monthly Average	11	10	8	65.5	11.7	10.5	7.5	51	9	9.3	0	38	65.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	132	535	535
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	132	535	535

TABLE 65: Rambler Metals and Mining 2018 No. 2 Polishing Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	1	1	1	0	0	1	1	1	1	10
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	1	1	0	0	0	1	1	1	1	9
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	1	1	1	0	0	1	1	1	1	10
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	1	1	1	0	0	1	1	1	1	10
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Arsenic	MG/L	Maximum	<0.0010	0.0010	0.0010	0.0012	0.0015	0.0012	0	0	0.0010	0.0010	0.0011	0.0008	0.0015
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	0.0007	0.0008	0.0007	0.0013	0.0009	0	0	0.0010	0.0007	0.0007	0.0008	0.0013
Cyanide, SAD	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	0	26
Cyanide, SAD	MG/L	Maximum	0.0012	0.003	0.0019	0.0016	0.011	0.004	0	0	<0.0050	0.0031	0.0080	0	0.0110
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	0.0008	0.0024	0.0012	0.0011	0.0076	0.0024	0	0	0.0025	0.0023	0.0052	0	0.0076
Total Copper	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Copper	MG/L	Maximum	0.00420	0.00380	0.00320	0.01140	0.01110	0.00500	0	0	0.00292	0.00563	0.00489	0.00400	0.01140
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	0.00350	0.00337	0.00300	0.00567	0.00735	0.00404	0	0	0.00292	0.00378	0.00400	0.00400	0.00735
Total Nickel	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	<0.0020	<0.0020	<0.0020	0.0008	<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	0	0.001	0.001	0.001	0.0008	0.001
Total Lead	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Lead	MG/L	Maximum	0.00057	0.00055	0.00062	<0.00050	0.01070	0.00177	0	0	<0.00050	0.00119	0.00175	0.00100	0.01070
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	0.00033	0.00043	0.00044	0.00025	0.00645	0.00134	0	0	0.00025	0.00069	0.00106	0.00100	0.00645
pH	PH UNITS	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
pH	PH UNITS	Maximum	7.37	7.54	7.37	7.38	7.11	7.27	0	0	7.27	7.22	7.24	6.28	7.54
pH	PH UNITS	Minimum	7.07	7.14	7.21	7.02	7.06	7.09	0	0	7.27	7.02	6.8	6.28	6.28
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 65 CONTINUED: Rambler Metals and Mining 2018 No. 2 Polishing Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Radium-226	BQ/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010	<0.010	<0.010	<0.005	<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	0	0.005	0.005	0.005	0.003	0.005
Total Suspended Solids	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Suspended Solids	MG/L	Maximum	<1.0	<1.0	<1.0	<1.0	4.2	1	0	0	<1.0	1.6	1.4	<3	4.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.5	0.5	0.5	0.5	2.4	0.7	0	0	0.5	0.9	0.8	1.5	2.4
Total Zinc	MG/L	# of Samples	4	3	2	3	2	5	0	0	1	3	3	1	27
Total Zinc	MG/L	Maximum	0.0083	0.0087	0.0094	0.0133	0.0075	0.0103	0	0	<0.0050	0.0058	0.0113	<0.01	0.0133
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	0.0078	0.0073	0.0085	0.0092	0.0067	0.0089	0	0	0.0025	0.0036	0.0081	0.005	0.0092

TABLE 66: Rambler Metals and Mining 2018 Treated Mine Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	1	1	0	1	1	1	1	1	1	11
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Arsenic	MG/L	Maximum	0.0028	0.0012	0.0019	0.0024	0.0020	0.0016	0.0018	0.0022	0.0022	<0.010	0.0017	0.0018	<0.010
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	0.0016	0.0011	0.0012	0.0019	0.0016	0.0014	0.0013	0.0022	0.0017	0.0031	0.0015	0.0018	0.0031
Cyanide, SAD	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	0	34
Cyanide, SAD	MG/L	Maximum	0.0025	0.0085	0.0160	0.0150	0.0021	0.0380	0.0073	<0.0050	<0.0050	0.0046	0.0047	0	0.0380
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	0.0010	0.0048	0.0092	0.0072	0.0017	0.0153	0.0051	0.0020	0.0025	0.0034	0.0029	0	0.0153
Total Copper	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Copper	MG/L	Maximum	0.0247	0.0341	0.0749	0.0585	0.0624	0.0471	0.0780	0.0985	0.0192	0.0291	0.0286	0.0192	0.0985
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	0.0207	0.0280	0.0442	0.0459	0.0261	0.0262	0.0533	0.0512	0.0118	0.0172	0.0223	0.0192	0.0533

TABLE 66 CONTINUED: Rambler Metals and Mining 2018 Treated Mine Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Nickel	MG/L	Maximum	0.0088	0.0202	0.0087	0.0123	0.0315	0.0169	0.0175	0.0062	0.0100	0.0199	0.0060	0.0096	0.0315
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	0.0046	0.0156	0.0061	0.0064	0.0204	0.0132	0.0094	0.0059	0.0077	0.0112	0.0043	0.0096	0.0204
Total Lead	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00086	<0.00050	<0.00050	<0.00050	<0.00050	0.00100	0.00060	<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	0.00025	0.00025	0.00025	0.00025	0.00025	0.00045	0.00025	0.00025	0.00025	0.00130	0.00090	0.00060	0.00130
pH	PH UNITS	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
pH	PH UNITS	Maximum	7.75	8.18	8.1	7.28	7.46	8.03	7.88	7.52	7.68	8.31	7.71	7.05	8.31
pH	PH UNITS	Minimum	7.39	6.93	6.99	7.1	6.78	7.38	7.45	6.64	7.03	7.54	7.28	7.05	6.64
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	0.014	0.013	0.015	0.017	0.021	0.011	0.013	0.020	0.021
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	0.010	0.010	0.010	0.011	0.020	0.006	0.008	0.020	0.020
Total Suspended Solids	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Suspended Solids	MG/L	Maximum	<2.0	4	1.4	1.8	36	2.4	6.8	4	2.6	<2.0	1.2	3	36
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0.9	3.1	1.2	1.3	16.5	1.5	3.7	2.5	1.8	0.9	1.1	3.0	16.5
Total Zinc	MG/L	# of Samples	4	3	2	3	4	3	3	2	2	5	3	1	35
Total Zinc	MG/L	Maximum	0.127	0.447	0.159	0.325	0.377	0.295	0.231	0.196	0.071	0.308	0.154	0.212	0.447
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.086	0.260	0.104	0.256	0.257	0.201	0.160	0.132	0.055	0.224	0.105	0.212	0.260

TABLE 67: Tacora Resources (Wabush) 2018 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/FAIL	# of Samples	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Arsenic	UG/L	Maximum	<1.0	0	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5
Total Copper	UG/L	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Copper	UG/L	Maximum	<2.0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	0	<2.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	0	0	0	1	1	1	1	1	1	1	0	1
Total Nickel	UG/L	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Nickel	UG/L	Maximum	<2.0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	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	1	0	0	0	1	1	1	1	1	1	1	0	1
Total Lead	UG/L	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Lead	UG/L	Maximum	<0.50	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	<0.50
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0	0.25
pH	PH UNITS	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
pH	PH UNITS	Maximum	7.09	0	0	0	7.22	7.78	7.7	7.89	7.91	7.77	7.47	0	7.91
pH	PH UNITS	Minimum	7.09	0	0	0	7.22	7.29	7.54	7.71	7.74	7.69	7.47	0	7.09
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	1	1	0	1	1	0	5
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	<0.010	<0.010	0	<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	0.005	0.005	0	0.005	0.005	0	0.005

TABLE 67 CONTINUED: Tacora Resources (Wabush) 2018 East Pit 2 Dewatering (Sylvio 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	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Suspended Solids	MG/L	Maximum	<0.50	0	0	0	2.4	2	1.8	2.2	3.5	1.6	<0.50	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	0.3	0	0	0	2.4	1.3	1.3	1.2	2.2	1.1	0.3	0	2.4
Total Zinc	UG/L	# of Samples	1	0	0	0	1	4	5	4	4	5	1	0	25
Total Zinc	UG/L	Maximum	<5.0	0	0	0	<5.0	<5.0	<5.0	<5.0	<5.0	5.5	<5.0	0	5.5
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	2.5	0	0	0	2.5	2.5	2.5	2.5	2.5	3.1	2.5	0	3.1

TABLE 68: Tacora Resources (Wabush) 2018 Flora Lake Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	0	0	1	0	1	1	0	0	1	0	0	5
LT50 Daphnia Magna	PASS/FAIL	Pass	1	0	0	1	0	1	1	0	0	1	0	0	5
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	0	0	1	0	1	1	0	0	1	0	0	5
LT50 Rainbow Trout	PASS/FAIL	Pass	1	0	0	1	0	1	1	0	0	1	0	0	5
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	3	1	1	3	2	4	3	1	2	1	1	27
Total Arsenic	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	5	3	1	1	3	2	4	3	1	2	1	1	27
Total Copper	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 Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Nickel	UG/L	# of Samples	5	3	1	1	3	2	4	3	1	2	1	1	27
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	5	3	1	1	3	2	4	3	1	2	1	1	27
Total Lead	UG/L	Maximum	<0.50	16	5.3	8.1	11	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	16
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	11.13	5.30	8.10	4.88	0.43	0.25	0.25	0.25	0.25	0.25	0.25	11.13

TABLE 68 CONTINUED: Tacora Resources (Wabush) 2018 Flora Lake Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	4	4	4	5	4	5	4	4	5	4	4	52
pH	PH UNITS	Maximum	9.37	7.68	7.6	8.1	7.49	7.69	7.71	7.74	7.82	7.73	7.72	7.52	9.37
pH	PH UNITS	Minimum	7.31	7.46	7.39	7.43	7.31	7.42	7.55	7.55	7.51	7.55	7.46	7.49	7.31
pH	PH UNITS	Exceedance(<5.5,>9.0)	1	0	0	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	# of Samples	1	1	0	1	0	0	1	1	0	1	1	1	8
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0	0	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0	0	0.005	0.005	0	0.005	0.005	0.005	0.005
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	2.6	2.6	5	3.8	10	56	13	3.8	3.2	2	1.2	2.8	56
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	3	0	0	0	0	0	0	3
Total Suspended Solids	MG/L	Monthly Average	1.5	2.1	2.6	1.5	5.1	42.8	7.1	2.7	2.6	1.4	0.7	1.1	42.8
Total Zinc	UG/L	# of Samples	5	3	1	1	3	2	4	3	1	2	1	1	27
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	23	<5.0	<5.0	23
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	12.8	2.5	2.5	12.8

TABLE 69: Tacora Resources (Wabush) 2018 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/FAIL	# of Samples	0	0	0	0	0	1	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	0	1	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	0	1	1	0	0	1	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	0	1	1	0	0	1	0	0	3
LT50 Rainbow Trout	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	3	1	0	0	2	0	0	6
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	<1.0	0	0	<1.0	0	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	0.5	0.5	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	3	1	0	0	2	0	0	6
Total Copper	UG/L	Maximum	0	0	0	0	0	<2.0	<2.0	0	0	<2.0	0	0	<2.0
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	1	1	0	0	1	0	0	1

TABLE 69 CONTINUED: Tacora Resources (Wabush) 2018 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	0	3	1	0	0	2	0	0	6
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	<2.0	0	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	0	1	1	0	0	1	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	0	3	1	0	0	2	0	0	6
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	<0.50	0	0	<0.50	0	0	<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	0.25	0.25	0	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	3	1	0	0	2	0	0	6
pH	PH UNITS	Maximum	0	0	0	0	0	8.1	7.99	0	0	8.08	0	0	8.1
pH	PH UNITS	Minimum	0	0	0	0	0	7.64	7.99	0	0	7.89	0	0	7.64
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	0	1	1	0	0	1	0	0	3
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.010	<0.010	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	0.005	0.005	0	0	0.005	0	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	3	1	0	0	2	0	0	6
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	1	1.4	0	0	20	0	0	20
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0.5	1.4	0	0	12.5	0	0	12.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	3	1	0	0	2	0	0	6
Total Zinc	UG/L	Maximum	0	0	0	0	0	33	12	0	0	170	0	0	170
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	19	12	0	0	88.2	0	0	88.2

TABLE 70: Tacora Resources (Wabush) 2018 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/FAIL	# of Samples	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	1	0	1	0	0	1	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 70 CONTINUED: Tacora Resources (Wabush) 2018 Tailings Line Emergency Dump Basin #1 (Settling Basin)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	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	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
Total Copper	UG/L	Maximum	0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	0	0	<2.0
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	1	1	1	1	1	0	0	1
Total Nickel	UG/L	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
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	3	1	2	2	2	1	0	0	11
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	<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	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
pH	PH UNITS	Maximum	0	0	0	0	7.39	7.72	7.9	7.91	8.06	7.95	0	0	8.06
pH	PH UNITS	Minimum	0	0	0	0	7.14	7.72	7.72	7.77	8.04	7.95	0	0	7.14
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	1	1	1	1	0	0	5
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	<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	0.005	0.005	0.005	0.005	0	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
Total Suspended Solids	MG/L	Maximum	0	0	0	0	2.4	6.4	2	1.2	0.94	<0.50	0	0	6.4
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	1.3	6.4	1.5	1.1	0.6	0.3	0	0	6.4
Total Zinc	UG/L	# of Samples	0	0	0	0	3	1	2	2	2	1	0	0	11
Total Zinc	UG/L	Maximum	0	0	0	0	12	8.7	<5.0	<5.0	<5.0	<5.0	0	0	12
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	8.2	8.7	2.5	2.5	2.5	2.5	0	0	8.7

TABLE 71: Tacora Resources (Wabush) 2018 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	0	0	0	3	2	1	0	0	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	1	2	1	0	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	2	0	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	0	0	0	3	2	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0	0	3	2	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
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	0	0	1	1	1	1	1	1
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	1	1	1	1	1	1
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	<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	0	0	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.7	7.69	7.61	7.75	7.67	7.75
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.37	7.67	7.55	7.26	7.41	7.26
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	0	0	0	1	1	1	1	1	5
Radium-226	BQ/L	Maximum	0	0	0	0	0	0	0	<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	0	0	0.005	0.005	0.005	0.005	0.005	0.005

TABLE 71 CONTINUED: Tacora Resources (Wabush) 2018 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	0	0	0	2	3	3	4	3	15
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	<0.50	<0.50	1.4	1	2	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	0.25	0.25	0.63	0.55	1.08	1.08
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	2	3	3	4	3	15
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	<5.0	<5.0	<5.0	20	<5.0	20
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	0	0	2.5	2.5	2.5	6.88	2.5	6.88

TABLE 72: Tata Steel Minerals Canada Limited 2018 COASW11

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	2	0	0	0	0	0	0	2
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	2.2	0	0	0	0	0	0	2.2
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	2.2	0	0	0	0	0	0	2.2
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0.72	0	0	0	0	0	0	0.72
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	0.72	0	0	0	0	0	0	0.72
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	6.51	0	0	0	0	0	0	6.51
pH	PH UNITS	Minimum	0	0	0	0	0	6.51	0	0	0	0	0	0	6.51
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	15	0	0	0	0	0	0	15
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	15	0	0	0	0	0	0	15
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	44	0	0	0	0	0	0	44
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	44	0	0	0	0	0	0	44

TABLE 73: Teck Resources (Millertown) 2018 Dam C

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	1	2	1	1	1	1	0	1	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	1	2	1	1	1	1	0	1	1	1	12
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	1	2	1	1	1	1	0	1	1	1	12
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	1	2	1	1	1	1	0	1	1	1	12
LT50 Rainbow Trout	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	3	5	4	5	4	0	1	4	4	43
Total Arsenic	MG/L	Maximum	< 0.01	0.02	0.02	< 0.01	< 0.01	0.03	0.01	0.01	0	< 0.01	< 0.01	0.01	0.03
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	0.005	0.009	0.009	0.005	0.005	0.011	0.007	0.006	0	0.005	0.004	0.008	0.011
Total Copper	MG/L	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
Total Copper	MG/L	Maximum	0.018	0.014	0.015	0.012	0.020	0.039	0.017	0.014	0	0.025	0.034	0.020	0.039
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	0.017	0.013	0.012	0.011	0.016	0.021	0.011	0.011	0	0.025	0.027	0.018	0.027
Total Nickel	MG/L	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
Total Nickel	MG/L	Maximum	< 0.004	0.016	0.005	0.009	< 0.004	0.004	< 0.004	< 0.004	0	< 0.004	< 0.004	0.008	0.016
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	0.006	0.003	0.004	0.002	0.003	0.002	0.002	0	0.002	0.002	0.004	0.006
Total Lead	MG/L	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
Total Lead	MG/L	Maximum	0.008	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.008	0	< 0.007	0.01	< 0.007	0.01
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	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0	0.004	0.005	0.004	0.005
pH	PH UNITS	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
pH	PH UNITS	Maximum	7.18	7.51	7.55	7.3	7.34	7.61	7.59	7.57	0	7.39	7.47	7.42	7.61
pH	PH UNITS	Minimum	6.98	7.04	7.27	7.02	6.82	7.32	7.21	6.68	0	7.39	7.26	6.75	6.68
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	1	1	1	0	1	1	2	8
Radium-226	BQ/L	Maximum	0	0	0	0	0.005	< 0.005	0.010	0.009	0	< 0.005	< 0.005	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	0.003	0.010	0.009	0	0.003	0.003	0.006	0.010

TABLE 73 CONTINUED: Teck Resources (Millertown) 2018 Dam C

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
Total Suspended Solids	MG/L	Maximum	2	2	< 2	2	3	3	3	3	0	2	11	3	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	1.2	1.25	1	1.3333333	2	1.75	1.8	2.25	0	2	5	1.5	5
Total Zinc	MG/L	# of Samples	5	4	4	3	5	4	5	4	0	1	4	4	43
Total Zinc	MG/L	Maximum	0.383	0.217	0.225	0.172	0.174	0.220	0.204	0.255	0	0.115	0.123	0.127	0.383
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	0.297	0.192	0.192	0.141	0.124	0.203	0.162	0.199	0	0.115	0.116	0.123	0.297

TABLE 74: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 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	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	2	1	2	1	2	2	2	2	2	3	5	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	2	1	2	1	2	2	2	2	2	3	5	4	5
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Nickel	UG/L	Maximum	12	28	25	17	143	361	37	44	16	11	116	25	361
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	12	28	25	17	143	361	37	44	16	11	116	25	361
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.5	0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.7	0.8	0.5	0.8
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	0.3	0.5	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.7	0.8	0.5	0.8
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.67	6.67	6.88	6.79	6.19	7.26	6.64	6.79	6.51	6.48	6.51	5.99	7.26
pH	PH UNITS	Minimum	6.67	6.67	6.88	6.79	6.19	7.26	6.64	6.79	6.51	6.48	6.51	5.99	5.99
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	<5	<5	<5	6	<5	<5	<5	<5	<2	<2	<5	<2	6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.5	2.5	2.5	6	2.5	2.5	2.5	2.5	1	1	2.5	1	6
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	19	10	19	20	17	23	11	11	13	14	17	32	32
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	19	10	19	20	17	23	11	11	13	14	17	32	32

TABLE 75: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 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	<1	9	<1	<1	<1	<1	<1	1	<1	<1	24	<1	24
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.5	9	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	24	0.5	24
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	<2	<2	5	<2	<2	<2	<2	<2	<2	<2	5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	1	1	1	5	1	1	1	1	1	1	1	5
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.06	6.54	6.37	6.51	5.7	6.75	6.37	6.83	6.58	6.12	6.21	5.72	6.83
pH	PH UNITS	Minimum	6.06	6.54	6.37	6.51	5.7	6.75	6.37	6.83	6.58	6.12	6.21	5.72	5.7
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	<5	<5	<5	<5	<5	<5	5	<5	<2	<2	<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	2.5	2.5	2.5	2.5	2.5	2.5	5	2.5	1	1	2.5	7	7
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	9	<5	10	<5	<5	<5	<5	<5	<5	9	<5	10
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	9	2.5	10	2.5	2.5	2.5	2.5	2.5	2.5	9	2.5	10

TABLE 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 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	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	2	3	2	3	3	3	7	2	3	3	4	4	7
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2	3	2	3	3	3	7	2	3	3	4	4	7
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	3	9	<2	<2	<2	<2	5	<2	2	<2	9
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	3	9	1	1	1	1	5	1	2	1	9
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	1.1	3.1	1.3	0.8	1.6	1.7	0.9	1.3	1.3	1.8	2	1.1	3.1
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	1.1	3.1	1.3	0.8	1.6	1.7	0.9	1.3	1.3	1.8	2	1.1	3.1
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.78	6.59	7.11	6.94	6.41	7.44	6.96	6.85	6.94	6.7	6.67	6.19	7.44
pH	PH UNITS	Minimum	6.78	6.59	7.11	6.94	6.41	7.44	6.96	6.85	6.94	6.7	6.67	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
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	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<5	<2	<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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1	1	2.5	1	2.5
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	13	12	7	7	8	6	7	7	6	9	11	9	13
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	13	12	7	7	8	6	7	7	6	9	11	9	13

TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 D5

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	<2	<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	1	4	3	1	2	2	3	2	2	3	3	4	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	1	4	3	1	2	2	3	2	2	3	3	4	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	7	7	6	6	6	5	7	7	9	6	6	5	9
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	7	7	6	6	6	5	7	7	9	6	6	5	9
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	2	1.5	<0.5	0.7	<0.5	0.7	0.7	0.6	0.9	0.6	<0.5	2
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	2	1.5	0.25	0.7	0.25	0.7	0.7	0.6	0.9	0.6	0.25	2
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
pH	PH UNITS	Maximum	6.12	6.5	6.74	6.84	6.06	7.23	6.45	6.79	6.56	6.33	6.4	5.98	7.23
pH	PH UNITS	Minimum	6.12	6.5	6.74	6.84	6.06	7.23	6.45	6.79	6.56	6.33	6.4	5.98	5.98
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	<5	<5	<5	<5	<5	<5	13	7	6	6	<5	<2	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	2.5	2.5	2.5	2.5	2.5	2.5	13	7	6	6	2.5	1	13
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	6	9	9	<5	7	<5	7	7	8	7	17	7	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	6	9	9	2.5	7	2.5	7	7	8	7	17	7	17

TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 FDP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	0	0	1	0	0	5
LT50 Daphnia Magna	PASS/FAIL	Pass	1	1	0	1	0	0	1	0	0	1	0	0	5
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	0	0	1	0	0	5
LT50 Rainbow Trout	PASS/FAIL	Pass	1	1	0	1	0	0	1	0	0	1	0	0	5
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
Total Arsenic	UG/L	Maximum	<2	<2	<2	<2	<2	2	3	2	2.6	<2.5	<2.5	<2.5	3
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	1	1	1	1	1.2	1.5	1.4	1.6	1.2	1.3	1.3	1.6
Total Copper	UG/L	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
Total Copper	UG/L	Maximum	6	7	9	12	6	3	6	7	6	8	15	22	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	4	4.3	5.3	8.3	4.6	2.8	4.5	3.8	4.3	7	10.3	15.3	15.3
Total Nickel	UG/L	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
Total Nickel	UG/L	Maximum	164	109	119	111	122	131	132	174	248	225	164	210	248
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	136.8	101.0	106.8	90.3	101.0	116.0	115.8	147.4	176.3	214.0	132.3	137.4	214.0
Total Lead	UG/L	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
Total Lead	UG/L	Maximum	<0.5	<0.5	1.2	2.4	1.4	<0.5	<0.5	0.5	0.5	0.7	0.9	2.8	2.8
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	0.3	0.3	0.5	1.0	0.6	0.3	0.3	0.3	0.3	0.4	0.7	1.2	1.2
pH	PH UNITS	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
pH	PH UNITS	Maximum	7.57	7.37	7.73	7.76	7.54	7.74	7.76	7.91	7.67	7.59	7.39	7.55	7.91
pH	PH UNITS	Minimum	6.87	6.87	7.42	7.37	7.12	7.27	7.28	7.22	7.12	6.96	7.15	7.12	6.87
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	0	1	0	1	1	0	1	2	0	0	8
Radium-226	BQ/L	Maximum	0.008	<0.005	0	<0.005	0	0.006	<0.005	0	0.009	0.008	0	0	0.009
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.008	0.003	0	0.003	0	0.006	0.003	0	0.009	0.005	0	0	0.009

TABLE 78 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2018 FDP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	5	3	4	4	5	5	4	5	4	4	4	4	51
Total Suspended Solids	MG/L	Maximum	9	8	10	9	7	13	13	10	6	6	5	4	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	4.3	5.5	4.4	4.1	3.4	7.2	10.5	3.8	3	5.8	4.8	4	10.5
Total Zinc	UG/L	# of Samples	5	3	4	4	5	5	4	5	4	3	4	4	50
Total Zinc	UG/L	Maximum	<5	6	8	7	5	9	8	8	28	<10	<10	<10	28
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc+A139:D175	UG/L	Monthly Average	2.5	3.7	3.9	4.8	3.0	3.8	5.9	5.1	10.8	4.2	5	5	10.8

TABLE 79: Vale Newfoundland and Labrador (Voisey's Bay) 2018 Port Site Sed Pond

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Daphnia Magna	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	Pass	0	0	0	0	0	1	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<2	0	0	0	0	0	0	<2
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	6	0	0	0	0	0	0	6
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	6	0	0	0	0	0	0	6
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	285	0	0	0	0	0	0	285
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	285	0	0	0	0	0	0	285
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.5	0	0	0	0	0	0	<0.5
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	7.62	0	0	0	0	0	0	7.62
pH	PH UNITS	Minimum	0	0	0	0	0	7.62	0	0	0	0	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
Radium-226	BQ/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	0	<0.005	0	0	0	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0.003	0	0	0	0	0	0	0.003

TABLE 79 CONTINUED: Vale Newfoundland and Labrador (Voisey's Bay) 2018 Port Site Sed Pond

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	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<5	0	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	2.5	0	0	0	0	0	0	2.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5	0	0	0	0	0	0	<5
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	0	0	0	2.5

TABLE 80: Vale Newfoundland and Labrador (Voisey's Bay) 2018 Treated Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna	PASS/FAIL	# of Samples	0	1	0	0	1	0	0	1	0	0	0	0	3
LT50 Daphnia Magna	PASS/FAIL	Pass	0	0	0	0	1	0	0	1	0	0	0	0	2
LT50 Daphnia Magna	PASS/FAIL	Fail	0	1	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout	PASS/FAIL	# of Samples	0	1	0	0	1	0	0	1	0	0	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Pass	0	1	0	0	1	0	0	1	0	0	0	0	3
LT50 Rainbow Trout	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	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	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Copper	UG/L	Maximum	6	5	4	4	3	5	26	5	3	7	4	6	26
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	3.0	3.3	2.8	2.5	2.3	3.0	8.4	3.5	2.7	4.3	3.0	3.2	8.4
Total Nickel	UG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Nickel	UG/L	Maximum	58	81	95	75	90	174	143	68	72	73	57	75	174
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	48.6	56.5	70.5	59.0	67.3	115.0	89.6	57.3	55.0	61.3	48.5	46.8	115.0
Total Lead	UG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Lead	UG/L	Maximum	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	8.3	8.3
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	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.2	2.2

TABLE 80 CONTINUED: Vale Newfoundland and Labrador (Voisey's Bay) 2018 Treated Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Lead	UG/L	Maximum	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	8.3	8.3
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	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.2	2.2
pH	PH UNITS	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
pH	PH UNITS	Maximum	8.73	8.89	8.71	8.71	8.8	8.68	8.51	8.49	8.44	8.41	8.49	8.45	8.89
pH	PH UNITS	Minimum	7.59	8.38	8.07	8.29	8.55	7.93	7.62	8	8.32	8.32	8.07	8.17	7.59
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	0	1	0	0	1	0	0	1	0	5
Radium-226	BQ/L	Maximum	0	<0.01	0.008	0	<0.05	0	0	<0.005	0	0	<0.005	0	<0.05
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	0.005	0.008	0	0.025	0	0	0.003	0	0	0.003	0	0.025
Total Suspended Solids	MG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Suspended Solids	MG/L	Maximum	8	9	6	13	7	7	20	4	4	5	6	5	20
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	4.3	6.1	4.9	8.3	4.5	5.9	8.3	3.5	4.0	4.3	5.5	4.4	8.3
Total Zinc	UG/L	# of Samples	5	4	4	4	4	4	5	4	3	3	4	5	49
Total Zinc	UG/L	Maximum	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	10	17	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	2.5	2.5	2.5	2.5	2.5	2.5	3.9	2.5	2.5	2.5	4.375	5.4	5.4