

Hope Bay Project - Annual effluent monitoring report - Version 3 - 2025

Report details

Facility name	Hope Bay Project
Reporting period	2025
Version	3
Status	Submitted
Last modified	2026/01/21 14:21 (MST)
Submission date	2026/01/21 14:22 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	3	2026/01/21 14:21 (MST)	2026/01/21 14:22 (MST)
Archived	2	2026/01/16 07:51 (MST)	2026/01/16 07:52 (MST)
Archived	1	2026/01/15 14:58 (MST)	2026/01/15 14:58 (MST)

Identifying information

Reporting period	2025
Facility name	Hope Bay Project
Facility physical address	Cambridge Bay, Nunavut, X0B 0C0, Canada
Operator name (required)	Agnico Eagle Mines Ltd.
Operator telephone number	819-759-3555
Operator extension	4600101
Operator e-mail address	brett.fairbairn@agnicoeagle.com

Note	Date	User name
No data available		

Test results

Final discharge point **RBD-1**
 Final discharge point latitude **68.17699**
 Final discharge point longitude **-106.63707**

Monthly mean concentrations, pH and volume of effluent

Month	As (mg/L)	Cu (mg/L)	CN (mg/L)	Pb (mg/L)	Ni (mg/L)	Zn (mg/L)	TSS (mg/L)	Ra-226 (Bq/L)	NH ₃ ¹ (mg/L expressed as nitrogen (N))	Lowest pH	Highest pH	Effluent volume (m ³)
Jan	0.0022	0.0145	0.0067	0.0003	0.007	0.0214	2.225	0.0052	0.0018	7.65	7.74	270307
Feb	0.0023	0.0136	0.008	0.0002	0.0072	0.0836	4.625	0.0095	0.0023	7.59	7.67	246714
Mar	0.002	0.0112	0.0092	0.0002	0.0066	0.1214	1.3	0.0106	0.0009	7.55	7.81	274524
Apr	0.0022	0.0121	0.0083	0.0001	0.0068	0.0075	1.58	0.0085	0.0005	7.46	7.9	262179
May	0.0021	0.0197	0.0102	0.0002	0.0079	0.0132	1.3	0.0095	0.0005	7.48	7.98	257009
Jun	0.0016	0.0106	0.0148	0.0002	0.0055	0.015	3.35	0.0072	0.0005	8.03	8.18	267019
Jul	0.0018	0.0101	0.008	0.0001	0.0056	0.0075	7.22	0.006	0.0016	7.97	8.19	231570
Aug	0.0016	0.009	0.003	0.0003	0.0052	0.0165	4.82	0.004	0.0014	8.06	8.19	229221
Sep	0.0024	0.0096	0.0025	0.0001	0.0054	0.0097	6.825	0.0025	0.0008	8.11	8.23	241079
Oct	0.0016	0.0079	0.0025	0.0001	0.0057	0.013	4.28	0.018	0.0006	7.89	8.13	203849
Nov	0.0015	0.0348	0.0044	0.0003	0.0055	0.0194	5.4	0.0106	0.0005	7.78	8.07	153113
Dec	0.0004	0.0447	0.0025	0.0002	0.0047	0.0288	2.24	0.016	0.0015	7.65	7.84	53812

¹Note: The monthly mean concentration for un-ionized ammonia is calculated for collection dates as of June 1st, 2021.

Results of acute lethality tests

Date sample collected	Results for rainbow trout acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for <i>Daphnia magna</i> monitoring / acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for threespine stickleback acute lethality tests (mean percentage mortality in 100% effluent test concentration)
2025/01/08 06:45	0%		
2025/02/05 04:25	0%		
2025/03/05 05:30	0%		

Date sample collected	Results for rainbow trout acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for <i>Daphnia magna</i> monitoring / acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for threespine stickleback acute lethality tests (mean percentage mortality in 100% effluent test concentration)
2025/04/03 05:15	0%		
2025/05/07 16:35	0%		
2025/06/05 05:10	0%		
2025/07/03 05:25	0%	0%	
2025/07/10 04:40	0%		
2025/08/07 05:30	0%	0%	
2025/09/04 05:00	0%	0%	
2025/10/02 06:20	0%	0%	
2025/11/06 05:15	0%		
2025/12/04 05:00	0%		

If effluent was non-compliant with the authorized limits set out in Schedule 4, or if the pH was less than 6.0 or greater than 9.5, or if effluent was determined to be acutely lethal, indicate the cause(s) of non-compliance and remedial measures that are planned or have been implemented.

Non-compliance information

Hope Bay Project - Information related to effluent and water quality monitoring studies - Version 2 - 2025

Report details

Facility name	Hope Bay Project
Reporting period	2025
Version	2
Status	Submitted
Last modified	2026/01/24 08:43 (MST)
Submission date	2026/01/24 08:44 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	2	2026/01/24 08:43 (MST)	2026/01/24 08:44 (MST)
Archived	1	2026/01/17 13:37 (MST)	2026/01/17 13:38 (MST)

Effluent characterization

Final discharge point	Collection date
RBD-1	2025/03/10
RBD-1	2025/04/10
RBD-1	2025/07/24
RBD-1	2025/12/17

Effluent characterization — 2025 — Version 2

Facility name Hope Bay Project

* **Final discharge point (required)** RBD-1

* **Collection date (required)** 2025/03/10

* **Collection method (required)** Grab

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Required variables	<	Value	Method detection limit	Units
Alkalinity		150	1	mg/L as CaCO ₃
Electrical conductivity		9550	2	µS/cm
Hardness		1340	0.5	mg/L as CaCO ₃
Temperature		1.56		°C

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.102	0.003	mg/L
Cadmium		0.000025	0.000005	mg/L
Chloride		3150	0.5	mg/L
Chromium		0.0025	0.0005	mg/L
Cobalt		0.00259	0.0001	mg/L
Iron		0.497	0.01	mg/L
Manganese		0.739	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00382	0.00005	mg/L
Nitrate		1.41	0.005	mg/L expressed as nitrogen (N)
Phosphorus		0.25	0.05	mg/L as P
Selenium		0.000273	0.00005	mg/L
Sulphate		566	0.3	mg/L

Required variables	<	Concentration	Method detection limit	Units
Thallium		0.00005	0.00001	mg/L
Uranium		0.00031	0.00001	mg/L
Optional variables	<	Concentration	Method detection limit	Units
Calcium		224	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		0.2	0.02	mg/L
Magnesium		179	0.005	mg/L
Potassium		51.5	0.05	mg/L
Sodium		1600	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct effluent characterization, and to report QA/QC measures that were implemented and the data related to those measures, or provide description in the textbox provided.

Methods are included in the lab certificates

Note	Date	User name
Lab calculated the Hardness value for this sample on January 23, 2026. Lab detection limit for Electrical Conductivity is stated 2.0 µS/cm in the lab certificate.	2026/01/24 08:40 (MST)	Brett Fairbairn
Lab did not conduct Hardness analysis for this sample. Lab detection limit for Electrical Conductivity is stated 2.0 µS/cm	2026/01/21 14:32 (MST)	Brett Fairbairn

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

Effluent characterization — 2025 — Version 2

Facility name Hope Bay Project

* **Final discharge point (required)** RBD-1

* **Collection date (required)** 2025/04/10

* **Collection method (required)** Grab

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Required variables	<	Value	Method detection limit	Units
Alkalinity		163	1	mg/L as CaCO ₃
Electrical conductivity		9080	2	µS/cm
Hardness		1230	0.6	mg/L as CaCO ₃
Temperature		3.66		°C

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.0872	0.003	mg/L
Cadmium		0.000025	0.000005	mg/L
Chloride		3360	0.5	mg/L
Chromium		0.0025	0.0005	mg/L
Cobalt		0.00229	0.0001	mg/L
Iron		0.51	0.01	mg/L
Manganese		0.721	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.0038	0.00005	mg/L
Nitrate		1.31	0.005	mg/L expressed as nitrogen (N)
Phosphorus		0.25	0.05	mg/L as P
Selenium		0.000258	0.00005	mg/L
Sulphate		625	0.3	mg/L

Required variables	<	Concentration	Method detection limit	Units
Thallium		0.00005	0.00001	mg/L
Uranium		0.000325	0.00001	mg/L
Optional variables	<	Concentration	Method detection limit	Units
Calcium		222	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		0.2	0.02	mg/L
Magnesium		165	0.005	mg/L
Potassium		51.2	0.05	mg/L
Sodium		1510	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct effluent characterization, and to report QA/QC measures that were implemented and the data related to those measures, or provide description in the textbox provided.

Lab Certificat contains methodologies

Note	Date	User name
Lab detection limit for Electrical Conductivity is stated 2.0 µS/cm.	2026/01/21 14:35 (MST)	Brett Fairbairn

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

Effluent characterization — 2025 — Version 2

Facility name Hope Bay Project

* **Final discharge point (required)** RBD-1

* **Collection date (required)** 2025/07/24

* **Collection method (required)** Grab

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Required variables	<	Value	Method detection limit	Units
Alkalinity		118	1	mg/L as CaCO ₃
Electrical conductivity		6700	2	µS/cm
Hardness		1040	0.6	mg/L as CaCO ₃
Temperature		8.9		°C

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.12	0.003	mg/L
Cadmium		0.000025	0.000005	mg/L
Chloride		2050	0.5	mg/L
Chromium		0.0025	0.0005	mg/L
Cobalt		0.00174	0.0001	mg/L
Iron		0.246	0.01	mg/L
Manganese		0.513	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00398	0.00005	mg/L
Nitrate		0.428	0.005	mg/L expressed as nitrogen (N)
Phosphorus		0.25	0.05	mg/L as P
Selenium		0.00025	0.00005	mg/L
Sulphate		326	0.3	mg/L

Required variables	<	Concentration	Method detection limit	Units
Thallium		0.00005	0.00001	mg/L
Uranium		0.00023	0.00001	mg/L
Optional variables	<	Concentration	Method detection limit	Units
Calcium		180	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		0.211	0.02	mg/L
Magnesium		144	0.005	mg/L
Potassium		41.1	0.05	mg/L
Sodium		1270	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct effluent characterization, and to report QA/QC measures that were implemented and the data related to those measures, or provide description in the textbox provided.

Methodologies and QA/QC measures are covered with the lab certificate.

Note	Date	User name
Lab detection limit for Electrical Conductivity is stated 2.0 µS/cm	2026/01/21 14:35 (MST)	Brett Fairbairn

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

Effluent characterization — 2025 — Version 2

Facility name Hope Bay Project

* **Final discharge point (required)** RBD-1

* **Collection date (required)** 2025/12/17

* **Collection method (required)** Grab

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Required variables	<	Value	Method detection limit	Units
Alkalinity		183	1	mg/L as CaCO ₃
Electrical conductivity		13400	2	µS/cm
Hardness		2250	0.6	mg/L as CaCO ₃
Temperature		6.89		°C

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.203	0.003	mg/L
Cadmium		0.00005	0.000005	mg/L
Chloride		5420	0.5	mg/L
Chromium		0.005	0.0005	mg/L
Cobalt		0.00181	0.0001	mg/L
Iron		0.1	0.01	mg/L
Manganese		0.615	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00256	0.00005	mg/L
Nitrate		2.01	0.005	mg/L expressed as nitrogen (N)
Phosphorus		0.5	0.05	mg/L as P
Selenium		0.0005	0.00005	mg/L
Sulphate		553	0.3	mg/L

Required variables	<	Concentration	Method detection limit	Units
Thallium		0.0001	0.00001	mg/L
Uranium		0.000237	0.00001	mg/L
Optional variables	<	Concentration	Method detection limit	Units
Calcium		369	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		0.4	0.02	mg/L
Magnesium		323	0.005	mg/L
Potassium		89.7	0.05	mg/L
Sodium		2930	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct effluent characterization, and to report QA/QC measures that were implemented and the data related to those measures, or provide description in the textbox provided.

Lab certificate

Note	Date	User name
Lab detection limit for Electrical Conductivity is stated 2.0 µS/cm	2026/01/21 14:38 (MST)	Brett Fairbairn

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

Sublethal toxicity test LC₅₀

Final discharge point	Collection date	Species tested
No data available		

Sublethal toxicity test IC₂₅/EC₂₅

Final discharge point	Collection date	Species tested
RBD-1	2025/03/10	Macrocystis pyrifera - Reproduction
RBD-1	2025/04/10	Macrocystis pyrifera - Reproduction
RBD-1	2025/07/24	Macrocystis pyrifera - Reproduction
RBD-1	2025/12/16	Macrocystis pyrifera - Reproduction

Sublethal toxicity test IC₂₅/EC₂₅ — 2025 — Version 2

Facility name	Hope Bay Project	
* Final discharge point (required)	RBD-1	
* Collection date (required)	2025/03/10	
* Collection method (required)	Grab	
* Aquatic environment (required)	Marine water	
* Species tested (required)	Macrocystis pyrifera - Reproduction	
* Quarterly testing frequency ¹ applies? (required)	Yes	
Test start date	2025/03/13	
Consultant laboratory	Nautilus Environmental Company Inc.	
* IC ₂₅ or EC ₂₅ flag (required)	=	
* IC ₂₅ or EC ₂₅ concentration (required)	71.3	%
* IC ₂₅ or EC ₂₅ lower 95% confidence limit (conditionally required)	71.3	%
* IC ₂₅ or EC ₂₅ upper 95% confidence limit (conditionally required)	71.3	%
* Was there statistical stimulation of any concentration? (required)	No	

Percent stimulation

Effluent concentration with stimulation

No data available

For the purpose of SLT, please indicate which data were used for determining the final discharge point that has potentially the most adverse environmental impact on the environment.

RBD-1 is the only active FDP located at Hope Bay, therefore sublethal toxicity sampling is conducted on effluent discharged at this FDP as outlined in Schedule 5 Parts 5 and 6 of the MDMER.

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided

Lab Certificate

¹Note: This field refers to the testing frequency required under the MDMER Schedule 5 subsection 6(3).

Note	Date	User name
No data available		

Sublethal toxicity test IC₂₅/EC₂₅ — 2025 — Version 2

Facility name	Hope Bay Project	
* Final discharge point (required)	RBD-1	
* Collection date (required)	2025/04/10	
* Collection method (required)	Grab	
* Aquatic environment (required)	Marine water	
* Species tested (required)	Macrocystis pyrifera - Reproduction	
* Quarterly testing frequency ¹ applies? (required)	Yes	
Test start date	2025/04/11	
Consultant laboratory	Nautilus Environmental Company Inc.	
* IC ₂₅ or EC ₂₅ flag (required)	=	
* IC ₂₅ or EC ₂₅ concentration (required)	69.8	%
* IC ₂₅ or EC ₂₅ lower 95% confidence limit (conditionally required)	69.8	%
* IC ₂₅ or EC ₂₅ upper 95% confidence limit (conditionally required)	69.8	%
* Was there statistical stimulation of any concentration? (required)	No	

Percent stimulation

Effluent concentration with stimulation

No data available

For the purpose of SLT, please indicate which data were used for determining the final discharge point that has potentially the most adverse environmental impact on the environment.

RBD-1 is the only active FDP located at Hope Bay, therefore sublethal toxicity sampling is conducted on effluent discharged at this FDP as outlined in Schedule 5 Parts 5 and 6 of the MDMER.

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided

Lab certificate

¹Note: This field refers to the testing frequency required under the MDMER Schedule 5 subsection 6(3).

Note	Date	User name
No data available		

Sublethal toxicity test IC₂₅/EC₂₅ — 2025 — Version 2

Facility name	Hope Bay Project	
* Final discharge point (required)	RBD-1	
* Collection date (required)	2025/07/24	
* Collection method (required)	Grab	
* Aquatic environment (required)	Marine water	
* Species tested (required)	Macrocystis pyrifera - Reproduction	
* Quarterly testing frequency ¹ applies? (required)	Yes	
Test start date	2025/07/25	
Consultant laboratory	Nautilus Environmental Company Inc.	
* IC ₂₅ or EC ₂₅ flag (required)	>	
* IC ₂₅ or EC ₂₅ concentration (required)	100	%
* IC ₂₅ or EC ₂₅ lower 95% confidence limit (conditionally required)		%
* IC ₂₅ or EC ₂₅ upper 95% confidence limit (conditionally required)		%
* Was there statistical stimulation of any concentration? (required)	No	

Percent stimulation

Effluent concentration with stimulation

No data available

For the purpose of SLT, please indicate which data were used for determining the final discharge point that has potentially the most adverse environmental impact on the environment.

RBD-1 is the only active FDP located at Hope Bay, therefore sublethal toxicity sampling is conducted on effluent discharged at this FDP as outlined in Schedule 5 Parts 5 and 6 of the MDMER.

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided

Lab certificate

¹Note: This field refers to the testing frequency required under the MDMER Schedule 5 subsection 6(3).

Note	Date	User name
No data available		

Sublethal toxicity test IC₂₅/EC₂₅ — 2025 — Version 2

Facility name	Hope Bay Project	
* Final discharge point (required)	RBD-1	
* Collection date (required)	2025/12/16	
* Collection method (required)	Grab	
* Aquatic environment (required)	Marine water	
* Species tested (required)	Macrocystis pyrifera - Reproduction	
* Quarterly testing frequency ¹ applies? (required)	Yes	
Test start date	2025/12/18	
Consultant laboratory	Nautilus Environmental Company Inc.	
* IC ₂₅ or EC ₂₅ flag (required)	>	
* IC ₂₅ or EC ₂₅ concentration (required)	100	%
* IC ₂₅ or EC ₂₅ lower 95% confidence limit (conditionally required)		%
* IC ₂₅ or EC ₂₅ upper 95% confidence limit (conditionally required)		%
* Was there statistical stimulation of any concentration? (required)	No	

Percent stimulation

Effluent concentration with stimulation

No data available

For the purpose of SLT, please indicate which data were used for determining the final discharge point that has potentially the most adverse environmental impact on the environment.

RBD-1 is the only active FDP located at Hope Bay, therefore sublethal toxicity sampling is conducted on effluent discharged at this FDP as outlined in Schedule 5 Parts 5 and 6 of the MDMER.

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided

Lab certificate

¹Note: This field refers to the testing frequency required under the MDMER Schedule 5 subsection 6(3).

Note	Date	User name
No data available		

Water quality monitoring data for exposure area

Exposure area name	Collection date	Aquatic environment
Roberts Bay	2025/09/08	Marine water
Roberts Bay	2025/09/08	Marine water
Roberts Bay	2025/09/08	Marine water

Water quality monitoring data for exposure area — 2025 — Version 2

Facility name Hope Bay Project

* **Exposure area name (required)** Roberts Bay

* **Latitude (required)** 68.190780

* **Longitude (required)** -106.640310

* **Collection date (required)** 2025/09/08

* **Collection method (required)** Grab

* **Aquatic environment (required)** Marine water

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Cyanide has never been used as a process reagent within the operations area.

The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		3950	0.6	mg/L as CaCO ₃
Alkalinity		76.2	1	mg/L
Electrical conductivity		34200	2	µS/cm
Salinity		21.6		Parts per thousand
Water temperature		8.12		°C
Dissolved oxygen		10.7		mg/L

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		17100	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00659	0.00005	mg/L
Nitrate		3.54	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		2440	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00192	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2.2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.6		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		264	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		799	0.005	mg/L
Potassium		247	0.05	mg/L
Sodium		6650	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		5		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for exposure area — 2025 — Version 2

Facility name Hope Bay Project

* **Exposure area name (required)** Roberts Bay

* **Latitude (required)** 68.190780

* **Longitude (required)** -106.640310

* **Collection date (required)** 2025/09/08

* **Collection method (required)** Grab

* **Aquatic environment (required)** Marine water

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Cyanide has never been used as a process reagent within the operations area.

The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		3860	0.6	mg/L as CaCO ₃
Alkalinity		81.9	1	mg/L
Electrical conductivity		34400	2	µS/cm
Salinity		21.5		Parts per thousand
Water temperature		8.04		°C
Dissolved oxygen		10.21		mg/L
Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		14000	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00724	0.00005	mg/L
Nitrate		0.25	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		1930	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00197	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		8	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.9		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		259	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		0.963	0.02	mg/L
Magnesium		780	0.005	mg/L
Potassium		245	0.05	mg/L
Sodium		6540	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		9		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for exposure area — 2025 — Version 2

Facility name Hope Bay Project

* **Exposure area name (required)** Roberts Bay

* **Latitude (required)** 68.190780

* **Longitude (required)** -106.640310

* **Collection date (required)** 2025/09/08

* **Collection method (required)** Grab

* **Aquatic environment (required)** Marine water

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Cyanide has never been used as a process reagent within the operations area.

The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		4080	0.6	mg/L as CaCO ₃
Alkalinity		81.9	1	mg/L
Electrical conductivity		34300	2	µS/cm
Salinity		21.6		Parts per thousand
Water temperature		7.64		°C
Dissolved oxygen		10.24		mg/L

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		17000	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.0071	0.00005	mg/L
Nitrate		1.78	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		2300	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00196	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		8.01		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		273	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		825	0.005	mg/L
Potassium		254	0.05	mg/L
Sodium		6830	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		17		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for reference area

Reference area name	Collection date	Aquatic environment
Roberts Bay	2025/09/08	Marine water
Roberts Bay	2025/09/08	Marine water
Roberts Bay	2025/09/08	Marine water
Roberts Bay	2025/09/08	Marine water

Water quality monitoring data for reference area — 2025 — Version 2

Facility name	Hope Bay Project
* Reference area name (required)	Roberts Bay
* Latitude (required)	68.196270
* Longitude (required)	-106.614690
* Collection date (required)	2025/09/08
* Collection method (required)	Grab
* Aquatic environment (required)	Marine water

- Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).
- Cyanide has never been used as a process reagent within the operations area.
- The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		3740	0.6	mg/L as CaCO ₃
Alkalinity		81.1	1	mg/L
Electrical conductivity		34700	2	µS/cm
Salinity		22.1		Parts per thousand
Water temperature		8.03		°C
Dissolved oxygen		10.14		mg/L

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		14300	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00665	0.00005	mg/L
Nitrate		1.08	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		1920	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00183	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.93		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		248	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		758	0.005	mg/L
Potassium		232	0.05	mg/L
Sodium		6360	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		5		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.
²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.
³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.
⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.
⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for reference area — 2025 — Version 2

Facility name Hope Bay Project

* **Reference area name (required)** Roberts Bay

* **Latitude (required)** 68.196270

* **Longitude (required)** -106.614690

* **Collection date (required)** 2025/09/08

* **Collection method (required)** Grab

* **Aquatic environment (required)** Marine water

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Cyanide has never been used as a process reagent within the operations area.

The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		4220	0.6	mg/L as CaCO ₃
Alkalinity		80.6	1	mg/L
Electrical conductivity		34400	2	µS/cm
Salinity		21.6		Parts per thousand
Water temperature		8.35		°C
Dissolved oxygen		10.1		mg/L
Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		20400	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.0076	0.00005	mg/L
Nitrate		0.522	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		2770	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00202	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.94		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		285	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		853	0.005	mg/L
Potassium		256	0.05	mg/L
Sodium		6990	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		9		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for reference area — 2025 — Version 2

Facility name Hope Bay Project

* **Reference area name (required)** Roberts Bay

* **Latitude (required)** 68.196270

* **Longitude (required)** -106.614690

* **Collection date (required)** 2025/09/08

* **Collection method (required)** Grab

* **Aquatic environment (required)** Marine water

Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).

Cyanide has never been used as a process reagent within the operations area.

The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		3930	0.6	mg/L as CaCO ₃
Alkalinity		80.8	1	mg/L
Electrical conductivity		34400	2	µS/cm
Salinity		21.6		Parts per thousand
Water temperature		8.51		°C
Dissolved oxygen		10.1		mg/L

Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.0025	0.000005	mg/L
Chloride		13300	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.006	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00723	0.00005	mg/L
Nitrate		0.996	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		1760	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00189	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.96		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		268	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		793	0.005	mg/L
Potassium		245	0.05	mg/L
Sodium		6590	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		17		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Water quality monitoring data for reference area — 2025 — Version 2

Facility name	Hope Bay Project
* Reference area name (required)	Roberts Bay
* Latitude (required)	68.196270
* Longitude (required)	-106.614690
* Collection date (required)	2025/09/08
* Collection method (required)	Grab
* Aquatic environment (required)	Marine water

- Mercury concentration is less than 0.10 µg/L in 12 consecutive samples collected under MDMER Schedule 5 subsection 4(4).
- Cyanide has never been used as a process reagent within the operations area.
- The mine is not a uranium mine and the concentration of radium 226 at that final discharge point has been below 0.037Bq/L for 10 consecutive weeks or more.

Final discharge point

Name

RBD-1

Required variables	<	Value	Method detection limit	Units
Hardness		3900	0.6	mg/L as CaCO ₃
Alkalinity		80.8	1	mg/L
Electrical conductivity		34400	2	µS/cm
Salinity		21.8		Parts per thousand
Water temperature		8.03		°C
Dissolved oxygen		10.14		mg/L
Required variables	<	Concentration	Method detection limit	Units
Aluminum		0.15	0.003	mg/L
Ammonia ⁴			0.005	mg/L expressed as nitrogen (N)
Un-ionized ammonia ⁵		0.001		mg/L expressed as nitrogen (N)

Required variables	<	Concentration	Method detection limit	Units
Cadmium		0.00025	0.000005	mg/L
Chloride		13300	0.5	mg/L
Chromium		0.025	0.0005	mg/L
Cobalt		0.005	0.0001	mg/L
Iron		0.5	0.01	mg/L
Manganese		0.005	0.0001	mg/L
Mercury ¹		0.000005	0.000005	mg/L
Molybdenum		0.00757	0.00005	mg/L
Nitrate		0.982	0.005	mg/L expressed as nitrogen (N)
Phosphorus		2.5	0.05	mg/L as P
Selenium		0.0025	0.00005	mg/L
Sulphate		1800	0.3	mg/L
Thallium		0.0005	0.00001	mg/L
Uranium		0.00181	0.00001	mg/L
Required variables	<	Concentration	Method detection limit	Units
Arsenic		0.005	0.0001	mg/L
Copper		0.025	0.0005	mg/L
Cyanide ²		0.005	0.005	mg/L
Lead		0.0025	0.00005	mg/L
Nickel		0.025	0.0005	mg/L
Zinc		0.15	0.003	mg/L
Total suspended solids		2	2	mg/L
Radium 226 ³		0.005	0.005	Bq/L
pH		7.9		

Optional variables	<	Concentration	Method detection limit	Units
Calcium		261	0.05	mg/L
Dissolved organic carbon				mg/L
Fluoride		2	0.02	mg/L
Magnesium		789	0.005	mg/L
Potassium		244	0.05	mg/L
Sodium		6500	0.05	mg/L
Total organic carbon				mg/L
Total thiosalts				mg/L
Water depth		5		m

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report QA/QC measures that were implemented and the data related to the implementation of those measures, or provide description in textbox provided.

See Lab Certificate Duplicate sample

Please refer to the Methodologies & QA/QC measures and data (e.g., lab certificates) section in MERS to report description of the methodologies used to conduct water quality monitoring, or provide description in the textbox provided.

See Lab Certificate

Note	Date	User name
No data available		

¹Note: If the facility fulfills the condition of subsection 4(4) of Schedule 5 of the MDMER, this field may be blank.

²Note: If the facility fulfills the condition of subparagraph 7(1)(d)(i) of Schedule 5 of the MDMER, this field may be blank.

³Note: If the facility fulfills the condition of subparagraph 7(1)(d)(ii) of Schedule 5 of the MDMER, this field may be blank.

⁴Note: The *concentration* and *method detection limit* fields for total ammonia are required for collection dates prior to **June 1st, 2021**. For samples collected on or after **June 1st, 2021**, only the *method detection limit* is required.

⁵Note: The *concentration* field for un-ionized ammonia is required for collection dates on or after **June 1st, 2021**.

Methodologies & QA/QC measures and data (e.g., lab certificates)

Effluent characterization

File name	Version	Date
EO2501817_1_COA - Merged.pdf	2	1/24/2026
EO2511448_0_COA - Merged.pdf	1	1/17/2026
EO2506416_0_COA - Merged.pdf	1	1/17/2026
EO2502690_0_COA - Merged.pdf	1	1/17/2026
EO2501817_0_COA - Merged.pdf	1	1/17/2026

Sublethal toxicity test

File name	Version	Date
2503-S062_Nautilus Calgary Toxicity Report March 2025.pdf	1	1/17/2026
2504-S039 Nautilus Calgary Toxicity Report April 2025.pdf	1	1/17/2026
2507-S209 Nautilus Calgary Toxicity Report July 2025.pdf	1	1/17/2026
2512-S151 Nautilus Calgary Toxicity Report December 2025 (1).pdf	1	1/17/2026

Water quality monitoring data

File name	Version	Date
EO2508213_0_COA - Merged.pdf	1	1/17/2026

Hope Bay Project - Quarterly effluent monitoring report - Version 1 - 2025-Q1

Report details

Facility name	Hope Bay Project
Reporting period	2025-Q1
Version	1
Status	Submitted
Last modified	2025/05/10 09:17 (MST)
Submission date	2025/05/10 09:18 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	1	2025/05/10 09:17 (MST)	2025/05/10 09:18 (MST)

Deleterious substances

Facility name Hope Bay Project

Reporting period 2025-Q1

Final discharge point	Reporting month	Was there deposit?
RBD-1	2025 - 01	Yes
RBD-1	2025 - 02	Yes
RBD-1	2025 - 03	Yes

Quarterly mass loading

Final discharge point	Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia ¹ (kg)
RBD-1	1.7163	10.4022	6.2928	0.1608	5.4913	59.7551	2150.3639	6.6952	1.3272

¹Note: The quarterly mass loading for un-ionized ammonia is calculated for collection dates as of June 1st, 2021.

Deleterious substances report — 2025-Q1 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 01

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 31

Total effluent volume deposited (conditionally required) 270307 m³/month

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.

Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.

Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/01/08	Grab	No
2025/01/14	Grab	No

Collection date	Collection method	Failed acute lethality test
2025/01/21	Grab	No
2025/01/28	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0022	0.0145	0.0067	0.0003	0.007	0.0214	2.225	0.0052	0.0018	7.65	7.74

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5974	3.9262	1.8043	0.0802	1.8807	5.7981	601.4331	1.4191	0.4933

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 01
Collection date (required)	2025/01/08
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00224	mg/L
Copper		0.0166	mg/L
Cyanide		0.0056	mg/L
Lead		0.000257	mg/L
Nickel		0.0071	mg/L
Zinc	<	0.015	mg/L
Suspended solids		2.7	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0022	mg/L expressed as nitrogen (N)
pH		7.74	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 01
Collection date (required) 2025/01/14
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00208	mg/L
Copper		0.0108	mg/L
Cyanide		0.0065	mg/L
Lead	<	0.001	mg/L
Nickel	<	0.01	mg/L
Zinc	<	0.06	mg/L
Suspended solids		2.7	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0022	mg/L expressed as nitrogen (N)
pH		7.7	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 01
Collection date (required)	2025/01/21
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00219	mg/L
Copper		0.0113	mg/L
Cyanide		0.0072	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00574	mg/L
Zinc	<	0.015	mg/L
Suspended solids		2.5	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0012	mg/L expressed as nitrogen (N)
pH		7.65	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 01
Collection date (required) 2025/01/28
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00233	mg/L
Copper		0.0194	mg/L
Cyanide		0.0074	mg/L
Lead		0.000305	mg/L
Nickel		0.00999	mg/L
Zinc		0.0408	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.006	Bq/L
Un-ionized ammonia		0.0017	mg/L expressed as nitrogen (N)
pH		7.72	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q1 — Version 1

Facility name	Hope Bay Project		
Final discharge point	RBD-1		
Reporting month	2025 - 02		
Was there a deposit during month? (required)	Yes		
Number of days effluent deposited (conditionally required)	28		
Total effluent volume deposited (conditionally required)	246714	m ³ /month	
Was cyanide ever used as a process reagent? (required)	Yes		

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/02/05	Grab	No
2025/02/12	Grab	No

Collection date	Collection method	Failed acute lethality test
2025/02/19	Grab	No
2025/02/26	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0023	0.0136	0.008	0.0002	0.0072	0.0836	4.625	0.0095	0.0023	7.59	7.67

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5619	3.3676	1.9614	0.0385	1.7807	20.6376	1141.0523	2.3438	0.5613

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 02
Collection date (required) 2025/02/05
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00245	mg/L
Copper		0.012	mg/L
Cyanide		0.0067	mg/L
Lead	<	0.00025	mg/L
Nickel		0.0073	mg/L
Zinc		0.046	mg/L
Suspended solids		2.9	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0026	mg/L expressed as nitrogen (N)
pH		7.65	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 02
Collection date (required) 2025/02/12
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00225	mg/L
Copper		0.0142	mg/L
Cyanide		0.0077	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00708	mg/L
Zinc		0.0434	mg/L
Suspended solids		6.6	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0025	mg/L expressed as nitrogen (N)
pH		7.65	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 02
Collection date (required) 2025/02/19
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00195	mg/L
Copper		0.014	mg/L
Cyanide		0.0081	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00749	mg/L
Zinc		0.0482	mg/L
Suspended solids		3	mg/L
Radium-226		0.008	Bq/L
Un-ionized ammonia		0.0017	mg/L expressed as nitrogen (N)
pH		7.59	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 02
Collection date (required) 2025/02/26
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00246	mg/L
Copper		0.0144	mg/L
Cyanide		0.0093	mg/L
Lead	<	0.0005	mg/L
Nickel		0.007	mg/L
Zinc		0.197	mg/L
Suspended solids		6	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0023	mg/L expressed as nitrogen (N)
pH		7.67	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q1 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 03

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 31

Total effluent volume deposited (conditionally required) 274524 m³/month

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.

Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.

Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/03/05	Grab	No
2025/03/10	Grab	No

Collection date	Collection method	Failed acute lethality test
2025/03/19	Grab	No
2025/03/26	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.002	0.0112	0.0092	0.0002	0.0066	0.1214	1.3	0.0106	0.0009	7.55	7.81

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5539	3.0884	2.5325	0.0429	1.8222	33.3204	356.8812	2.9168	0.2553

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 03
Collection date (required) 2025/03/05
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00182	mg/L
Copper		0.0105	mg/L
Cyanide	<	0.02	mg/L
Lead	<	0.0005	mg/L
Nickel		0.00618	mg/L
Zinc	<	0.03	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0012	mg/L expressed as nitrogen (N)
pH		7.66	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 03
Collection date (required) 2025/03/10
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00207	mg/L
Copper		0.0124	mg/L
Cyanide		0.0086	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00703	mg/L
Zinc		0.0585	mg/L
Suspended solids		2.2	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.58	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 03
Collection date (required) 2025/03/19
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00209	mg/L
Copper		0.0103	mg/L
Cyanide		0.0085	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00648	mg/L
Zinc		0.233	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia		0.00152	mg/L expressed as nitrogen (N)
pH		7.81	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q1 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 03
Collection date (required) 2025/03/26
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00209	mg/L
Copper		0.0118	mg/L
Cyanide		0.0098	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00686	mg/L
Zinc		0.179	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.55	

Note	Date	User name
No data available		

Acute lethality test

Facility name Hope Bay Project

Reporting period 2025-Q1

Final discharge point	Collection date/time	Test type	Mortality
RBD-1	2025/01/08 06:45	Rainbow trout	0%
RBD-1	2025/02/05 04:25	Rainbow trout	0%
RBD-1	2025/03/05 05:30	Rainbow trout	0%

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/01/08
Collection time	06:45
Collection method	Grab
Collector name (required)	B Fairbairn and K Niemi

Note	Date	User name
Lab Salinity 5 ppt	2025/05/10 08:03 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Service Ltd
Test lab city (required)	Waverly
Test lab province (required)	Nova Scotia
Test start date (required)	2025/01/10
Test start time (required)	11:40
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	D. Robinson

Conditions in effluent sample

Temperature 14.5 °C

Dissolved oxygen 115 %

Electrical conductivity 9060 µS/cm

pH 7.8

pH adjustment to sample or solution? No

pH adjustment procedure

Aeration rate before 6.5 ± 1 mL/(min*L)

Aeration time before 90 minutes

Stock tank mortality 0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	18 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.45 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14.5	14.5	10.1	9.9	8	7.9	9040	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	14.5	10.2	10	7.9	7.8	4960	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14.5	14.5	10.3	9.8	7.8	7.6	2670	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	14.5	10.2	9.8	7.9	7.6	1452	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14	14.5	10.2	9.9	7.8	7.5	1182	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14	14.5	10.2	10	7.6	7.5	475	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	42 mm
Lower range fork length	38 mm
Upper range fork length	47 mm
Mean wet weight	0.81 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Phenol
Date reference toxicant test initiated	2024-12-19
Recent 96-hour reference toxicant test LC₅₀	9.66 mg/L
LC₅₀ lower 95% confidence limit	8.55 mg/L
LC₅₀ upper 95% confidence limit	10.92 mg/L
Historic geometric mean LC₅₀	9.4 mg/L
Lower warning limit (-2 values of S.D.)	7.07 mg/L
Upper warning limit (+2 values of S.D.)	12.5 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q1
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/02/05
Collection time	04:25
Collection method	Grab
Collector name (required)	W Nalley

Note	Date	User name
Salinity 5 ppt	2025/05/10 08:47 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/02/06
Test start time (required)	17:05
Person(s) performing the test (required)	J. Fraser and D. Robinson
Person(s) verifying the test (required)	J. Fraser

Conditions in effluent sample

Temperature 14.5 °C

Dissolved oxygen 125 %

Electrical conductivity 9070 µS/cm

pH 7.5

pH adjustment to sample or solution? No

pH adjustment procedure

Aeration rate before 6.5 ± 1 mL/(min*L)

Aeration time before 90 minutes

Stock tank mortality 0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	18 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.4 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14	14	10.3	9.9	7.4	7.9	9110	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14	14	10.7	10.1	7.5	7.8	5210	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14	14	10.6	10.2	7.5	7.8	3080	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14	14	10.4	10.2	7.4	7.6	1926	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14	14	10.2	10.2	7.4	7.5	1187	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14	14	10.2	10.2	7.2	7.3	397	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	40 mm
Lower range fork length	37 mm
Upper range fork length	45 mm
Mean wet weight	0.71 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Phenol
Date reference toxicant test initiated	2025-01-23
Recent 96-hour reference toxicant test LC₅₀	10.88 mg/L
LC₅₀ lower 95% confidence limit	9.42 mg/L
LC₅₀ upper 95% confidence limit	12.55 mg/L
Historic geometric mean LC₅₀	9.3 mg/L
Lower warning limit (-2 values of S.D.)	7.01 mg/L
Upper warning limit (+2 values of S.D.)	12.4 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q1
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/03/05
Collection time	05:30
Collection method	Grab
Collector name (required)	K. Niemi

Note	Date	User name
Salinity 5 ppt	2025/05/10 09:08 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/03/07
Test start time (required)	12:45
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	D. Robinson

Conditions in effluent sample

Temperature	14 °C
Dissolved oxygen	110 %
Electrical conductivity	9460 µS/cm
pH	7.6
pH adjustment to sample or solution?	No
pH adjustment procedure	
Aeration rate before	6.5 ± 1 mL/(min*L)
Aeration time before	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	15 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.48 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14.5	15	9.9	9.6	7.8	7.9	9490	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	15	10.3	9.7	7.8	7.8	5170	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14.5	14.5	10.2	9.5	7.8	7.7	2880	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	14.5	10.2	9.5	7.8	7.6	1693	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14.5	14.5	10.2	9.5	7.5	7.5	1057	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14.5	14.5	10.1	9.8	7.5	7.6	438	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	41 mm
Lower range fork length	38 mm
Upper range fork length	46 mm
Mean wet weight	0.72 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Phenol
Date reference toxicant test initiated	2025-02-25
Recent 96-hour reference toxicant test LC₅₀	0.32 mg/L
LC₅₀ lower 95% confidence limit	0.27 mg/L
LC₅₀ upper 95% confidence limit	0.38 mg/L
Historic geometric mean LC₅₀	0.3 mg/L
Lower warning limit (-2 values of S.D.)	0.21 mg/L
Upper warning limit (+2 values of S.D.)	0.4 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project

Reporting period 2025-Q1

Version 1

Final discharge point	Collection date
No data available	

Hope Bay Project - Quarterly effluent monitoring report - Version 1 - 2025-Q2

Report details

Facility name	Hope Bay Project
Reporting period	2025-Q2
Version	1
Status	Submitted
Last modified	2025/07/26 10:16 (MST)
Submission date	2025/07/26 11:37 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	1	2025/07/26 10:16 (MST)	2025/07/26 11:37 (MST)

Deleterious substances

Facility name Hope Bay Project

Reporting period 2025-Q2

Final discharge point	Reporting month	Was there deposit?
RBD-1	2025 - 04	Yes
RBD-1	2025 - 05	Yes
RBD-1	2025 - 06	Yes

Quarterly mass loading

Final discharge point	Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia ¹ (kg)
RBD-1	1.5319	11.117	8.7387	0.1392	5.2754	9.369	1632.6899	6.6172	0.3931

¹Note: The quarterly mass loading for un-ionized ammonia is calculated for collection dates as of June 1st, 2021.

Deleterious substances report — 2025-Q2 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 04

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 30

Total effluent volume deposited (conditionally required) 262179 m³/month

If the volume is unknown, check the box and add a note (conditionally required) Unknown

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/04/03	Grab	No
2025/04/10	Grab	No
2025/04/16	Grab	No
2025/04/23	Grab	No
2025/04/30	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0022	0.0121	0.0083	0.0001	0.0068	0.0075	1.58	0.0085	0.0005	7.46	7.9

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5763	3.1776	2.1813	0.0328	1.7802	1.9663	414.2428	2.2285	0.1311

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 04
Collection date (required) 2025/04/03
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00212	mg/L
Copper		0.0125	mg/L
Cyanide		0.0109	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00641	mg/L
Zinc	<	0.015	mg/L
Suspended solids		3.9	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.74	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 04
Collection date (required) 2025/04/10
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00225	mg/L
Copper		0.0118	mg/L
Cyanide		0.0127	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00698	mg/L
Zinc	<	0.015	mg/L
Suspended solids	<	2	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.6	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 04
Collection date (required) 2025/04/16
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00219	mg/L
Copper		0.0114	mg/L
Cyanide		0.013	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00685	mg/L
Zinc	<	0.015	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.46	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 04
Collection date (required)	2025/04/23
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.0021	mg/L
Copper		0.0116	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00665	mg/L
Zinc	<	0.015	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.6	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 04
Collection date (required) 2025/04/30
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00233	mg/L
Copper		0.0133	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00706	mg/L
Zinc	<	0.015	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.9	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q2 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 05

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 31

Total effluent volume deposited (conditionally required) 257009 m³/month

If the volume is unknown, check the box and add a note (conditionally required) Unknown

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/05/07	Grab	No
2025/05/14	Grab	No
2025/05/21	Grab	No
2025/05/28	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0021	0.0197	0.0102	0.0002	0.0079	0.0132	1.3	0.0095	0.0005	7.48	7.98

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5314	5.0631	2.6215	0.0482	2.0214	3.4054	334.1117	2.4416	0.1285

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 05
Collection date (required) 2025/05/07
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00217	mg/L
Copper		0.0137	mg/L
Cyanide		0.0135	mg/L
Lead	<	0.00025	mg/L
Nickel		0.007	mg/L
Zinc	<	0.015	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.76	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 05
Collection date (required) 2025/05/14
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00203	mg/L
Copper		0.0118	mg/L
Cyanide		0.0065	mg/L
Lead	<	0.0005	mg/L
Nickel		0.008	mg/L
Zinc	<	0.03	mg/L
Suspended solids		2.2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.62	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 05
Collection date (required)	2025/05/21
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00233	mg/L
Copper		0.023	mg/L
Cyanide		0.0072	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00939	mg/L
Zinc		0.0155	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.008	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.48	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 05
Collection date (required) 2025/05/28
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00174	mg/L
Copper		0.0303	mg/L
Cyanide		0.0136	mg/L
Lead	<	0.0005	mg/L
Nickel		0.00707	mg/L
Zinc	<	0.03	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.98	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q2 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 06

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 30

Total effluent volume deposited (conditionally required) 267019 m³/month

If the volume is unknown, check the box and add a note (conditionally required) Unknown

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/06/05	Grab	No
2025/06/11	Grab	No
2025/06/18	Grab	No
2025/06/25	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0016	0.0106	0.0148	0.0002	0.0055	0.015	3.35	0.0072	0.0005	8.03	8.18

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.4219	2.8304	3.9586	0.0584	1.4619	4.0053	894.5137	1.9359	0.1335

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 06
Collection date (required)	2025/06/05
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00177	mg/L
Copper		0.0113	mg/L
Cyanide		0.0146	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00687	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5	mg/L
Radium-226		0.006	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.18	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 06
Collection date (required)	2025/06/11
Collection method (required)	Grab

Value	<	Value	Units
Arsenic	<	0.002	mg/L
Copper		0.0103	mg/L
Cyanide		0.0137	mg/L
Lead	<	0.001	mg/L
Nickel	<	0.01	mg/L
Zinc	<	0.06	mg/L
Suspended solids		2	mg/L
Radium-226		0.008	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.07	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 06
Collection date (required)	2025/06/18
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00179	mg/L
Copper		0.0104	mg/L
Cyanide		0.0163	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00335	mg/L
Zinc	<	0.015	mg/L
Suspended solids		2.8	mg/L
Radium-226		0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.14	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q2 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 06
Collection date (required)	2025/06/25
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00176	mg/L
Copper		0.0104	mg/L
Cyanide		0.0147	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00668	mg/L
Zinc		0.015	mg/L
Suspended solids		3.6	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.03	

Note	Date	User name
No data available		

Acute lethality test

Facility name Hope Bay Project

Reporting period 2025-Q2

Final discharge point	Collection date/time	Test type	Mortality
RBD-1	2025/04/03 05:15	Rainbow trout	0%
RBD-1	2025/05/07 16:35	Rainbow trout	0%
RBD-1	2025/06/05 05:10	Rainbow trout	0%

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/04/03
Collection time	05:15
Collection method	Grab
Collector name (required)	K. Niemi and B, Fairbairn

Note	Date	User name
Field Salinity - 5.15 ppt Lab Salinity - 5 ppt	2025/07/26 09:16 (MST)	Brett Fairbairn
Salinity - 5.15	2025/07/26 09:12 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/04/04
Test start time (required)	16:00
Person(s) performing the test (required)	J. Fraser and K. Marks
Person(s) verifying the test (required)	J. Fraser

Conditions in effluent sample

Temperature	15 °C
Dissolved oxygen	116 %
Electrical conductivity	9220 µS/cm
pH	7.5
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	15 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.47 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	16	15	10	9.5	7.7	7.8	9240	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14	15	10.3	9.8	7.7	7.8	5060	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14	15	10.4	9.4	7.8	7.8	2930	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	15	10.3	9.4	7.8	7.7	1570	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14.5	15.5	10.3	9.7	7.7	7.6	1022	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14.5	15	10.2	9.4	7.5	7.4	408	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	40 mm
Lower range fork length	37 mm
Upper range fork length	44 mm
Mean wet weight	0.71 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-03-27
Recent 96-hour reference toxicant test LC₅₀	0.34 mg/L
LC₅₀ lower 95% confidence limit	0.27 mg/L
LC₅₀ upper 95% confidence limit	0.42 mg/L
Historic geometric mean LC₅₀	0.3 mg/L
Lower warning limit (-2 values of S.D.)	0.2 mg/L
Upper warning limit (+2 values of S.D.)	0.4 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q2
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/05/07
Collection time	16:35
Collection method	Grab
Collector name (required)	William Nalley

Note	Date	User name
Field Salinity - 4 ppt Lab Salinity - 5 ppt	2025/07/26 09:50 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/05/12
Test start time (required)	12:15
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	D. Robinson

Conditions in effluent sample

Temperature	15.5 °C
Dissolved oxygen	113 %
Electrical conductivity	9750 µS/cm
pH	7.4
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	12 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.41 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	16	15	10	9.5	7.6	7.9	9700	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	15.5	15	9.9	9.6	7.7	7.7	5510	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	15	15	9.9	9.7	7.7	7.7	3120	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	15.5	15	9.9	9.7	7.6	7.6	1889	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	15	15	9.9	9.7	7.6	7.5	1076	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15	15	9.9	10	7.3	7.4	364	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	36 mm
Lower range fork length	30 mm
Upper range fork length	42 mm
Mean wet weight	0.49 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-05-12
Recent 96-hour reference toxicant test LC₅₀	0.36 mg/L
LC₅₀ lower 95% confidence limit	0.32 mg/L
LC₅₀ upper 95% confidence limit	0.42 mg/L
Historic geometric mean LC₅₀	0.27 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.44 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q2
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/06/05
Collection time	05:10
Collection method	Grab
Collector name (required)	Will Nalley

Note	Date	User name
Field Salinity - 5 ppt Lab Salinity - 5 ppt	2025/07/26 10:07 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/06/06
Test start time (required)	16:25
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	J. Fraser

Conditions in effluent sample

Temperature	14 °C
Dissolved oxygen	109 %
Electrical conductivity	8950 µS/cm
pH	7.5
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	10 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.45 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	15	14.5	9.9	9.7	7.7	8	8970	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	14.5	10.4	10.1	7.8	7.9	5290	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14.5	14.5	10.3	10.1	7.9	7.7	2830	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	15	14.5	10.2	10.1	7.8	7.6	1791	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14.5	14.5	10.2	10	7.8	7.6	1285	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15	15	10	9.9	7.6	7.6	431	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	39 mm
Lower range fork length	35 mm
Upper range fork length	41 mm
Mean wet weight	0.45 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-06-05
Recent 96-hour reference toxicant test LC₅₀	0.25 mg/L
LC₅₀ lower 95% confidence limit	0.21 mg/L
LC₅₀ upper 95% confidence limit	0.3 mg/L
Historic geometric mean LC₅₀	0.27 mg/L
Lower warning limit (-2 values of S.D.)	0.17 mg/L
Upper warning limit (+2 values of S.D.)	0.43 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q2
Version 1

Final discharge point	Collection date
No data available	

Hope Bay Project - Quarterly effluent monitoring report - Version 1 - 2025-Q3

Report details

Facility name	Hope Bay Project
Reporting period	2025-Q3
Version	1
Status	Submitted
Last modified	2025/10/28 13:30 (MST)
Submission date	2025/10/28 13:32 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	1	2025/10/28 13:30 (MST)	2025/10/28 13:32 (MST)

Deleterious substances

Facility name Hope Bay Project

Reporting period 2025-Q3

Final discharge point	Reporting month	Was there deposit?
RBD-1	2025 - 07	Yes
RBD-1	2025 - 08	Yes
RBD-1	2025 - 09	Yes

Quarterly mass loading

Final discharge point	Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia ¹ (kg)
RBD-1	1.341	6.7337	3.1584	0.1228	3.7841	7.8843	4413.5925	2.9245	0.882

¹Note: The quarterly mass loading for un-ionized ammonia is calculated for collection dates as of June 1st, 2021.

Deleterious substances report — 2025-Q3 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 07

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 28

Total effluent volume deposited (conditionally required) 231570 m³/month

If the volume is unknown, check the box and add a note (conditionally required) Unknown

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.

Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.

Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/07/03	Grab	No
2025/07/10	Grab	No
2025/07/16	Grab	No
2025/07/24	Grab	No
2025/07/30	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0018	0.0101	0.008	0.0001	0.0056	0.0075	7.22	0.006	0.0016	7.97	8.19

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.4066	2.3453	1.8526	0.0289	1.2857	1.7368	1671.9354	1.3894	0.3659

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 07
Collection date (required) 2025/07/03
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00178	mg/L
Copper		0.0114	mg/L
Cyanide		0.0058	mg/L
Lead	<	0.00025	mg/L
Nickel		0.0055	mg/L
Zinc	<	0.015	mg/L
Suspended solids		7	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 07
Collection date (required)	2025/07/10
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.0021	mg/L
Copper		0.0128	mg/L
Cyanide		0.0192	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00777	mg/L
Zinc	<	0.015	mg/L
Suspended solids		4.5	mg/L
Radium-226		0.006	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.19	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 07
Collection date (required) 2025/07/16
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00147	mg/L
Copper		0.00803	mg/L
Cyanide	<	0.02	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00493	mg/L
Zinc	<	0.015	mg/L
Suspended solids		8.3	mg/L
Radium-226		0.009	Bq/L
Un-ionized ammonia		0.0027	mg/L expressed as nitrogen (N)
pH		7.97	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 07
Collection date (required)	2025/07/24
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00179	mg/L
Copper		0.00943	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.0045	mg/L
Zinc	<	0.015	mg/L
Suspended solids		7	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0022	mg/L expressed as nitrogen (N)
pH		8.11	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 07
Collection date (required)	2025/07/30
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00164	mg/L
Copper		0.00898	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00506	mg/L
Zinc	<	0.015	mg/L
Suspended solids		9.3	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.002	mg/L expressed as nitrogen (N)
pH		8.03	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q3 — Version 1

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 08

Was there a deposit during month? (required) Yes

Number of days effluent deposited (conditionally required) 31

Total effluent volume deposited (conditionally required) 229221 m³/month

If the volume is unknown, check the box and add a note (conditionally required) Unknown

Was cyanide ever used as a process reagent? (required) Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/08/07	Grab	No
2025/08/13	Grab	No
2025/08/20	Grab	No
2025/08/20	Grab	No
2025/08/27	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0016	0.009	0.003	0.0003	0.0052	0.0165	4.82	0.004	0.0014	8.06	8.19

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.3658	2.0662	0.6877	0.063	1.1942	3.7821	1104.8452	0.9169	0.3301

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 08
Collection date (required)	2025/08/07
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00202	mg/L
Copper		0.00786	mg/L
Cyanide		0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.0057	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5.3	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0019	mg/L expressed as nitrogen (N)
pH		8.19	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 08
Collection date (required) 2025/08/13
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00205	mg/L
Copper		0.0174	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00701	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5.8	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0016	mg/L expressed as nitrogen (N)
pH		8.16	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 08
Collection date (required)	2025/08/20
Collection method (required)	Grab

Value	<	Value	Units
Arsenic	<	0.002	mg/L
Copper	<	0.01	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.001	mg/L
Nickel	<	0.01	mg/L
Zinc	<	0.06	mg/L
Suspended solids		3.9	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0011	mg/L expressed as nitrogen (N)
pH		8.17	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 08
Collection date (required)	2025/08/20
Collection method (required)	Grab

Value	<	Value	Units
Arsenic	<	0.002	mg/L
Copper	<	0.01	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.001	mg/L
Nickel	<	0.01	mg/L
Zinc	<	0.06	mg/L
Suspended solids		3.5	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0012	mg/L expressed as nitrogen (N)
pH		8.18	

Note	Date	User name
Duplicate	2025/10/25 15:58 (MST)	Brett Fairbairn

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 08
Collection date (required) 2025/08/27
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00191	mg/L
Copper		0.00981	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00334	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5.6	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0014	mg/L expressed as nitrogen (N)
pH		8.06	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q3 — Version 1

Facility name **Hope Bay Project**

Final discharge point **RBD-1**

Reporting month **2025 - 09**

Was there a deposit during month? **(required)** Yes

Number of days effluent deposited **(conditionally required)** 30

Total effluent volume deposited **(conditionally required)** 241079 m³/month

If the volume is unknown, check the box and add a note **(conditionally required)** Unknown

Was cyanide ever used as a process reagent? **(required)** Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Copper	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Cyanide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Lead	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Nickel	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Zinc	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Radium-226	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/09/04	Grab	No
2025/09/10	Grab	No
2025/09/17	Grab	No
2025/09/24	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0024	0.0096	0.0025	0.0001	0.0054	0.0097	6.825	0.0025	0.0008	8.11	8.23

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.5738	2.324	0.6027	0.0301	1.3048	2.3385	1645.3642	0.6027	0.1808

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 09
Collection date (required) 2025/09/04
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00261	mg/L
Copper		0.0108	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00564	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.14	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 09
Collection date (required) 2025/09/10
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00253	mg/L
Copper		0.00955	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00562	mg/L
Zinc		0.0163	mg/L
Suspended solids		7.6	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia		0.0015	mg/L expressed as nitrogen (N)
pH		8.11	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 09
Collection date (required) 2025/09/17
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00261	mg/L
Copper		0.00984	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00536	mg/L
Zinc	<	0.015	mg/L
Suspended solids		3.8	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.23	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q3 — Version 1

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 09
Collection date (required) 2025/09/24
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00177	mg/L
Copper		0.00837	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00503	mg/L
Zinc	<	0.015	mg/L
Suspended solids		10.9	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.17	

Note	Date	User name
No data available		

Acute lethality test

Facility name Hope Bay Project

Reporting period 2025-Q3

Final discharge point	Collection date/time	Test type	Mortality
RBD-1	2025/07/03 05:25	Rainbow trout	0%
RBD-1	2025/07/10 04:40	Rainbow trout	0%
RBD-1	2025/08/07 05:30	Rainbow trout	0%
RBD-1	2025/09/04 05:00	Rainbow trout	0%
RBD-1	2025/07/03 05:25	<i>Daphnia magna</i>	0%
RBD-1	2025/08/07 05:30	<i>Daphnia magna</i>	0%
RBD-1	2025/09/04 05:00	<i>Daphnia magna</i>	0%

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/07/03
Collection time	05:25
Collection method	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Salinity 4 ppt	2025/10/28 05:19 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Services Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/07/04
Test start time (required)	15:34
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	K. Marks

Conditions in effluent sample

Temperature	14 °C
Dissolved oxygen	105 %
Electrical conductivity	6160 µS/cm
pH	7.9
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	18 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.4 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14	14	10.5	10	8.1	7.8	6220	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14	14.5	10.4	10.1	8.1	7.9	3420	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14	14.5	10.2	10	8.1	8	2100	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	14.5	10.1	10	7.9	8.1	1257	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	15	14	10	10	7.8	8.1	906	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15	14.5	9.9	10	7.9	7.9	315	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	40 mm
Lower range fork length	36 mm
Upper range fork length	50 mm
Mean wet weight	0.72 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-06-19
Recent 96-hour reference toxicant test LC₅₀	0.19 mg/L
LC₅₀ lower 95% confidence limit	0.16 mg/L
LC₅₀ upper 95% confidence limit	0.23 mg/L
Historic geometric mean LC₅₀	0.26 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.43 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/07/10
Collection time	04:40
Collection method	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Salinity 5 ppt	2025/10/28 11:47 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/07/14
Test start time (required)	12:50
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	S. Elliot

Conditions in effluent sample

Temperature	15 °C
Dissolved oxygen	109 %
Electrical conductivity	9190 µS/cm
pH	7.4
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	12 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.45 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	15	16	10.1	9.3	7.3	7.7	9230	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	16	10.4	9.7	7.5	7.8	4930	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	15	16	10.3	9.8	7.7	7.8	3020	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	15	16	10.2	9.6	7.8	7.9	1781	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.5	15	16	10.2	9.7	7.8	7.9	1131	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15.5	16	10.1	9.7	8	8	466	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.5%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	39 mm
Lower range fork length	32 mm
Upper range fork length	46 mm
Mean wet weight	0.54 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-07-10
Recent 96-hour reference toxicant test LC₅₀	0.41 mg/L
LC₅₀ lower 95% confidence limit	0.32 mg/L
LC₅₀ upper 95% confidence limit	0.55 mg/L
Historic geometric mean LC₅₀	0.27 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.45 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/08/07
Collection time	05:30
Collection method	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Salinity 4 ppt	2025/10/28 12:03 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Ltd
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/08/11
Test start time (required)	13:35
Person(s) performing the test (required)	K. Marks & J. Fraser
Person(s) verifying the test (required)	S. Elliot

Conditions in effluent sample

Temperature	14.5 °C
Dissolved oxygen	108 %
Electrical conductivity	6620 µS/cm
pH	8.1
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	18 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.47 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14.5	15	10.6	9.9	8.2	8.1	6610	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	15	10.5	9.9	8.1	8	3680	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	15	15	10.3	9.7	7.9	7.7	2190	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	15	15	10.2	9.8	7.9	7.7	1336	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	15.5	15	10.1	9.9	7.7	7.7	881	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15.5	15	10	9.9	7.4	7.6	383	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	42 mm
Lower range fork length	36 mm
Upper range fork length	45 mm
Mean wet weight	0.84 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-08-07
Recent 96-hour reference toxicant test LC₅₀	0.38 mg/L
LC₅₀ lower 95% confidence limit	0.32 mg/L
LC₅₀ upper 95% confidence limit	0.46 mg/L
Historic geometric mean LC₅₀	0.27 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.47 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/09/04
Collection time	05:00
Collection method	Grab
Collector name (required)	Will Nalley

Note	Date	User name
Salinity 5 ppt	2025/10/28 12:17 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Ltd
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/09/05
Test start time (required)	15:05
Person(s) performing the test (required)	J. Fraser and K Marks
Person(s) verifying the test (required)	J Fraser

Conditions in effluent sample

Temperature	14 °C
Dissolved oxygen	108 %
Electrical conductivity	7060 µS/cm
pH	8
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	16 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.44 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14.5	14.5	10.7	10	8	8	7000	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14	14.5	10.5	10	8	7.9	3830	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14	14.5	10.3	10.1	8	7.8	2180	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	14.5	10.2	10.2	7.9	7.8	1380	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	15	14.5	10.1	9.9	7.7	7.4	939	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15	14.5	10.1	10.1	7.6	7.5	428	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	41 mm
Lower range fork length	39 mm
Upper range fork length	44 mm
Mean wet weight	0.71 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-08-21
Recent 96-hour reference toxicant test LC₅₀	0.3 mg/L
LC₅₀ lower 95% confidence limit	0.25 mg/L
LC₅₀ upper 95% confidence limit	0.36 mg/L
Historic geometric mean LC₅₀	0.28 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.47 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/07/03
Collection time	05:25
Collection method (required)	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Salinity 3 ppt	2025/10/28 12:47 (MST)	Brett Fairbairn

Test facility information

Species tested	<i>Daphnia magna</i>
Test method (required)	Multi concentration
Species used in test	<i>Daphnia magna</i>
Reference method	Daphnia magna EPS 1/RM/14
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Bureau Veritas
Test lab city (required)	Burnaby
Test lab province (required)	British Columbia
Test start date (required)	2025/07/04
Test start time (required)	16:14
Person(s) performing the test (required)	Dayna Lee
Person(s) verifying the test (required)	Marie-Eve O'Toole

Conditions in effluent sample

Temperature	18 °C
Dissolved oxygen	112.3 %
Electrical conductivity	6193 μ S/cm
pH	7.9
pH adjustment to sample or solution?	No
pH adjustment procedure	
Hardness adjustment to sample or solution?	
Hardness before adjustment	840 mg/L as CaCO ₃
Hardness after adjustment	840 mg/L as CaCO ₃
Pre-aeration rate if dissolved oxygen is outside of the range	37.5 \pm 12.5 mL/(min*L)
Pre-aeration time if dissolved oxygen is outside of the range	30 minutes
Days to first brood	9 days
Average neonates/brood	32
Percent mortality %	0 %
	Enter percent mortality during the seven-day period prior to a test

Common conditions

Volume tested per vessel 185 mL

Were any replication solutions used for control(s) and effluent concentrations? No

Neonates per vessel 10

Volume per neonate 18.5 mL

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
0	19	19	9.1	9	8	8.3	335	96	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
6.25	19	20	9.2	9	8.1	8.2	745		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
12.5	19	20	9.2	9	8.1	8.2	1143		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
25	19	20	9.2	9.1	8.1	8.3	1921		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
50	19	20	9.3	9.1	8	8.3	3453		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
100	19	20	9.5	9.4	8	8.4	6295		0	0

Mortality and immobility information

Concentration (%w/v)	Mean number of daphnids in 48 th hour		Mean rate of daphnids in 48 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Median lethal concentration results

LC₅₀ Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

EC₅₀

EC₅₀ lower 95% confidence limit

EC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-06-30
Recent 48-hour reference toxicant test LC₅₀	0.32 mg/L
LC₅₀ lower 95% confidence limit	0.23 mg/L
LC₅₀ upper 95% confidence limit	0.44 mg/L
Historic geometric mean LC₅₀	0.41 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	1.06 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/08/07
Collection time	05:30
Collection method (required)	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Salinity 4 ppt	2025/10/28 13:10 (MST)	Brett Fairbairn

Test facility information

Species tested	<i>Daphnia magna</i>
Test method (required)	Multi concentration
Species used in test	<i>Daphnia magna</i>
Reference method	Daphnia magna EPS 1/RM/14
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Bureau Veritas
Test lab city (required)	Burnaby
Test lab province (required)	British Columbia
Test start date (required)	2025/08/08
Test start time (required)	15:21
Person(s) performing the test (required)	Dayna Lee, Marie-Eve O'Toole, Melissa Thompson
Person(s) verifying the test (required)	Marie-Eve O'Toole

Conditions in effluent sample

Temperature	20 °C
Dissolved oxygen	106.2 %
Electrical conductivity	6960 µS/cm
pH	8
pH adjustment to sample or solution?	No
pH adjustment procedure	
Hardness adjustment to sample or solution?	No
Hardness before adjustment	890 mg/L as CaCO ₃
Hardness after adjustment	890 mg/L as CaCO ₃
Pre-aeration rate if dissolved oxygen is outside of the range	37.5 ± 12.5 mL/(min*L)
Pre-aeration time if dissolved oxygen is outside of the range	30 minutes
Days to first brood	8 days
Average neonates/brood	32
Percent mortality %	1.4 %
	Enter percent mortality during the seven-day period prior to a test

Common conditions

Volume tested per vessel 185 mL

Were any replication solutions used for control(s) and effluent concentrations? No

Neonates per vessel 10

Volume per neonate 18.5 mL

Conditions during test

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
0	20	20	9	8.9	8.1	8.1	339	100	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
6.25	20	20	9	8.9	8.1	8.1	773		0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
12.5	20	20	9	8.9	8.1	8.1	1247		0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
25	20	20	9	8.9	8.1	8.1	2124		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
50	20	20	9	8.9	8.1	8.1	3784		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
100	20	20	8.9	9	8.1	8.2	6986		0	0

Mortality and immobility information

Concentration (%w/v)	Mean number of daphnids in 48 th hour		Mean rate of daphnids in 48 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

EC₅₀

EC₅₀ lower 95% confidence limit

EC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	zinc
Date reference toxicant test initiated	2025-08-05
Recent 48-hour reference toxicant test LC₅₀	1.05 mg/L
LC₅₀ lower 95% confidence limit	0.64 mg/L
LC₅₀ upper 95% confidence limit	1.87 mg/L
Historic geometric mean LC₅₀	0.45 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	1.27 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/09/04
Collection time	05:00
Collection method (required)	Grab
Collector name (required)	

Note	Date	User name
No data available		

Test facility information

Species tested	<i>Daphnia magna</i>
Test method (required)	Multi concentration
Species used in test	<i>Daphnia magna</i>
Reference method	Daphnia magna EPS 1/RM/14
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Bureau Veritas
Test lab city (required)	Burnaby
Test lab province (required)	British Columbia
Test start date (required)	2025/09/05
Test start time (required)	15:24
Person(s) performing the test (required)	Melanie Mazziotti, Melissa Thompson, Navpreet Shergill
Person(s) verifying the test (required)	Marie-Eve O'Toole

Conditions in effluent sample

Temperature	20 °C
Dissolved oxygen	119.6 %
Electrical conductivity	7202 µS/cm
pH	7.9
pH adjustment to sample or solution?	No
pH adjustment procedure	
Hardness adjustment to sample or solution?	No
Hardness before adjustment	910 mg/L as CaCO ₃
Hardness after adjustment	910 mg/L as CaCO ₃
Pre-aeration rate if dissolved oxygen is outside of the range	37.5 ± 12.5 mL/(min*L)
Pre-aeration time if dissolved oxygen is outside of the range	30 minutes
Days to first brood	7 days
Average neonates/brood	31
Percent mortality %	5.6 %
	Enter percent mortality during the seven-day period prior to a test

Common conditions

Volume tested per vessel 185 mL

Were any replication solutions used for control(s) and effluent concentrations? No

Neonates per vessel 10

Volume per neonate 18.5 mL

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
0	19	19	9	8.8	8.2	8.2	343	100	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
6.25	20	19	9	8.8	8.1	8.2	998		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
12.5	20	19	9	8.9	8.1	8.2	1413		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
25	20	19	9	8.9	8.1	8.2	2694		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
50	20	19	8.9	9	8.1	8.2	4496		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
100	20	19	8.9	9.2	8	8.3	7174		0	0

Mortality and immobility information

Concentration (%w/v)	Mean number of daphnids in 48 th hour		Mean rate of daphnids in 48 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Median lethal concentration results

LC₅₀ Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

EC₅₀

EC₅₀ lower 95% confidence limit

EC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	zinc
Date reference toxicant test initiated	2025-09-02
Recent 48-hour reference toxicant test LC₅₀	0.53 mg/L
LC₅₀ lower 95% confidence limit	0.25 mg/L
LC₅₀ upper 95% confidence limit	0.83 mg/L
Historic geometric mean LC₅₀	0.52 mg/L
Lower warning limit (-2 values of S.D.)	0.17 mg/L
Upper warning limit (+2 values of S.D.)	1.61 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q3
Version 1

Final discharge point	Collection date
No data available	

Hope Bay Project - Quarterly effluent monitoring report - Version 4 - 2025-Q4

Report details

Facility name	Hope Bay Project
Reporting period	2025-Q4
Version	4
Status	Submitted
Last modified	2026/01/21 14:07 (MST)
Submission date	2026/01/21 14:21 (MST)

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

History

Status	Version	Last modified	Submission date
Submitted	4	2026/01/21 14:07 (MST)	2026/01/21 14:21 (MST)
Archived	3	2026/01/16 07:48 (MST)	2026/01/16 07:49 (MST)
Archived	2	2026/01/16 07:36 (MST)	2026/01/16 07:38 (MST)
Archived	1	2026/01/15 14:52 (MST)	2026/01/15 14:53 (MST)

Deleterious substances

Facility name Hope Bay Project

Reporting period 2025-Q4

Final discharge point	Reporting month	Was there deposit?
RBD-1	2025 - 10	Yes
RBD-1	2025 - 11	Yes
RBD-1	2025 - 12	Yes

Quarterly mass loading

Final discharge point	Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia ¹ (kg)
RBD-1	0.4796	11.9687	1.2837	0.0793	2.1744	8.3702	1632.142	6.1103	0.3615

¹Note: The quarterly mass loading for un-ionized ammonia is calculated for collection dates as of June 1st, 2021.

Deleterious substances report — 2025-Q4 — Version 4

Facility name **Hope Bay Project**

Final discharge point **RBD-1**

Reporting month **2025 - 10**

Was there a deposit during month? **(required)** Yes

Number of days effluent deposited **(conditionally required)** 31

Total effluent volume deposited **(conditionally required)** 203849 m³/month

If the volume is unknown, check the box and add a note **(conditionally required)** Unknown

Was cyanide ever used as a process reagent? **(required)** Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Copper	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Cyanide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Lead	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Nickel	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Zinc	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Radium-226	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/10/02	Grab	No
2025/10/08	Grab	No
2025/10/15	Grab	No
2025/10/22	Grab	No
2025/10/29	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0016	0.0079	0.0025	0.0001	0.0057	0.013	4.28	0.018	0.0006	7.89	8.13

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.3205	1.6141	0.5096	0.0255	1.1579	2.646	872.4737	3.6693	0.1264

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 10
Collection date (required)	2025/10/02
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00181	mg/L
Copper		0.00946	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00476	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5.5	mg/L
Radium-226	<	0.05	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.06	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 10

Collection date (required) 2025/10/08

Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00191	mg/L
Copper		0.00875	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00604	mg/L
Zinc	<	0.015	mg/L
Suspended solids		5	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.98	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 10
Collection date (required)	2025/10/15
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00064	mg/L
Copper		0.00453	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00737	mg/L
Zinc		0.0252	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.89	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 10
Collection date (required)	2025/10/22
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00173	mg/L
Copper		0.00859	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00496	mg/L
Zinc		0.0172	mg/L
Suspended solids		5.2	mg/L
Radium-226	<	0.05	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.13	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 10
Collection date (required)	2025/10/29
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00177	mg/L
Copper		0.00826	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00527	mg/L
Zinc	<	0.015	mg/L
Suspended solids		4.7	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0011	mg/L expressed as nitrogen (N)
pH		8.11	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q4 — Version 4

Facility name **Hope Bay Project**

Final discharge point **RBD-1**

Reporting month **2025 - 11**

Was there a deposit during month? **(required)** Yes

Number of days effluent deposited **(conditionally required)** 30

Total effluent volume deposited **(conditionally required)** 153113 m³/month

If the volume is unknown, check the box and add a note **(conditionally required)** Unknown

Was cyanide ever used as a process reagent? **(required)** Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/11/06	Grab	No
2025/11/13	Grab	No
2025/11/19	Grab	No
2025/11/27	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0015	0.0348	0.0044	0.0003	0.0055	0.0194	5.4	0.0106	0.0005	7.78	8.07

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.232	5.3333	0.6699	0.0402	0.8467	2.9627	826.8102	1.6268	0.0766

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 11
Collection date (required)	2025/11/06
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00175	mg/L
Copper		0.0234	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00535	mg/L
Zinc	<	0.015	mg/L
Suspended solids		4.6	mg/L
Radium-226	<	0.005	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.07	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 11
Collection date (required)	2025/11/13
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00178	mg/L
Copper		0.0252	mg/L
Cyanide	<	0.005	mg/L
Lead		0.000674	mg/L
Nickel		0.00635	mg/L
Zinc		0.0216	mg/L
Suspended solids		3.8	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		8.07	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 11
Collection date (required)	2025/11/19
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00202	mg/L
Copper		0.00983	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00543	mg/L
Zinc	<	0.015	mg/L
Suspended solids		11.7	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.94	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 11
Collection date (required)	2025/11/27
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00051	mg/L
Copper		0.0809	mg/L
Cyanide	<	0.02	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00499	mg/L
Zinc		0.0408	mg/L
Suspended solids	<	3	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.78	

Note	Date	User name
No data available		

Deleterious substances report — 2025-Q4 — Version 4

Facility name **Hope Bay Project**

Final discharge point **RBD-1**

Reporting month **2025 - 12**

Was there a deposit during month? **(required)** Yes

Number of days effluent deposited **(conditionally required)** 31

Total effluent volume deposited **(conditionally required)** 53812 m³/month

If the volume is unknown, check the box and add a note **(conditionally required)** Unknown

Was cyanide ever used as a process reagent? **(required)** Yes

Monitoring frequency

Refer to subsections 12(1) and 14(1) of the regulations for a description of *normal* frequency.
 Refer to subsections 13(1), (2) and 16(1) of the regulations for a description of *reduced* frequency.
 Refer to subsection 15 (1) of the regulations for a description of *increased* frequency.

Monitoring frequency	Increased	Normal	Reduced
Arsenic		<input checked="" type="radio"/>	<input type="radio"/>
Copper		<input checked="" type="radio"/>	<input type="radio"/>
Cyanide		<input checked="" type="radio"/>	<input type="radio"/>
Lead		<input checked="" type="radio"/>	<input type="radio"/>
Nickel		<input checked="" type="radio"/>	<input type="radio"/>
Zinc		<input checked="" type="radio"/>	<input type="radio"/>
Suspended solids		<input checked="" type="radio"/>	<input type="radio"/>
Radium-226		<input checked="" type="radio"/>	<input type="radio"/>
Un-ionized ammonia		<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - Rainbow trout	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Acute lethality - <i>Daphnia magna</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acute lethality - Threespine stickleback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deleterious substances and pH data

Collection date	Collection method	Failed acute lethality test
2025/12/04	Grab	No
2025/12/10	Grab	No
2025/12/17	Grab	No
2025/12/24	Grab	No
2025/12/31	Grab	No

Monthly mean concentrations

Arsenic (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Suspended solids (mg/L)	Radium-226 (Bq/L)	Un-ionized ammonia (mg/L expressed as nitrogen (N))	Minimum pH	Maximum pH
0.0004	0.0447	0.0025	0.0002	0.0047	0.0288	2.24	0.016	0.0015	7.65	7.84

Monthly mass loading

Arsenic (kg)	Copper (kg)	Cyanide (kg)	Lead (kg)	Nickel (kg)	Zinc (kg)	Suspended solids (kg)	Radium-226 (MBq)	Un-ionized ammonia (kg)
0.0224	2.4032	0.1345	0.0103	0.2513	1.5498	120.5389	0.861	0.0818

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 12
Collection date (required) 2025/12/04
Collection method (required) Grab

Value	<	Value	Units
Arsenic	<	0.0005	mg/L
Copper		0.159	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00511	mg/L
Zinc		0.0205	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.77	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name Hope Bay Project
Final discharge point RBD-1
Reporting month 2025 - 12
Collection date (required) 2025/12/10
Collection method (required) Grab

Value	<	Value	Units
Arsenic		0.00056	mg/L
Copper		0.0104	mg/L
Cyanide	<	0.005	mg/L
Lead		0.000335	mg/L
Nickel		0.00641	mg/L
Zinc		0.0218	mg/L
Suspended solids		3.4	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia	<	0.001	mg/L expressed as nitrogen (N)
pH		7.73	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 12
Collection date (required)	2025/12/17
Collection method (required)	Grab

Value	<	Value	Units
Arsenic	<	0.001	mg/L
Copper	<	0.005	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.0005	mg/L
Nickel	<	0.005	mg/L
Zinc	<	0.03	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0012	mg/L expressed as nitrogen (N)
pH		7.65	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name Hope Bay Project

Final discharge point RBD-1

Reporting month 2025 - 12

Collection date (required) 2025/12/24

Collection method (required) Grab

Value	<	Value	Units
Arsenic	<	0.0005	mg/L
Copper		0.0182	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.00443	mg/L
Zinc		0.033	mg/L
Suspended solids		4.8	mg/L
Radium-226		0.01	Bq/L
Un-ionized ammonia		0.0026	mg/L expressed as nitrogen (N)
pH		7.84	

Note	Date	User name
No data available		

Deleterious substances details — 2025 — 2025-Q4 — Version 4

Facility name	Hope Bay Project
Final discharge point	RBD-1
Reporting month	2025 - 12
Collection date (required)	2025/12/31
Collection method (required)	Grab

Value	<	Value	Units
Arsenic		0.00052	mg/L
Copper		0.0332	mg/L
Cyanide	<	0.005	mg/L
Lead	<	0.00025	mg/L
Nickel		0.0049	mg/L
Zinc		0.0537	mg/L
Suspended solids	<	2	mg/L
Radium-226		0.02	Bq/L
Un-ionized ammonia		0.0028	mg/L expressed as nitrogen (N)
pH		7.81	

Note	Date	User name
No data available		

Acute lethality test

Facility name Hope Bay Project

Reporting period 2025-Q4

Final discharge point	Collection date/time	Test type	Mortality
RBD-1	2025/10/02 06:20	Rainbow trout	0%
RBD-1	2025/11/06 05:15	Rainbow trout	0%
RBD-1	2025/12/04 05:00	Rainbow trout	0%
RBD-1	2025/10/02 06:20	<i>Daphnia magna</i>	0%

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/10/02
Collection time	06:20
Collection method	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Discharge was continuous throughout the month. Lab Salinity - 4.3 Field Salinity - 4.53	2026/01/21 13:56 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Service Ltd.
Test lab city (required)	Waverely
Test lab province (required)	Nova Scotia
Test start date (required)	2025/10/03
Test start time(required)	16:18
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	J. Fraser

Conditions in effluent sample

Temperature	14 °C
Dissolved oxygen	112 %
Electrical conductivity	7920 µS/cm
pH	8.1
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	16 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.45 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	15.5	15	10.2	9.6	8.2	8.2	7880	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	15	10.3	9.8	8.2	8.1	4540	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14.5	15	10.3	9.8	8.1	8.1	2700	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	15	10.2	10	8.1	8.1	1495	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14.5	15	10.2	10	8	8	1015	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	15	15	10	10	7.6	7.7	464	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	41 mm
Lower range fork length	38 mm
Upper range fork length	46 mm
Mean wet weight	0.72 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-09-26
Recent 96-hour reference toxicant test LC₅₀	0.23 mg/L
LC₅₀ lower 95% confidence limit	0.19 mg/L
LC₅₀ upper 95% confidence limit	0.28 mg/L
Historic geometric mean LC₅₀	0.27 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.45 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q4
Version 4

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/11/06
Collection time	05:15
Collection method	Grab
Collector name (required)	Brett Fairbairn/Kailey Niemi

Note	Date	User name
Discharge was continuous throughout the month. Lab Salinity - 4.5 Field Salinity - 4.38	2026/01/21 14:02 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Service Ltd.
Test lab city (required)	Waverely
Test lab province (required)	Nova Scotia
Test start date (required)	2025/11/10
Test start time (required)	11:50
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	S. Elliot

Conditions in effluent sample

Temperature	15 °C
Dissolved oxygen	108 %
Electrical conductivity	8080 µS/cm
pH	7.9
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	18 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.46 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	15	14	10	9.7	8	8.2	8080	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14.5	14.5	10.1	9.8	8	8.1	4480	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14.5	14.5	10.2	9.9	8	8.1	2530	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14.5	14	10.2	9.9	7.9	8	1425	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14.5	14	10.2	9.9	7.9	7.9	1041	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14.5	14.5	10.2	9.9	7.6	7.6	388	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	43 mm
Lower range fork length	38 mm
Upper range fork length	46 mm
Mean wet weight	0.83 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-10-23
Recent 96-hour reference toxicant test LC₅₀	0.18 mg/L
LC₅₀ lower 95% confidence limit	0.13 mg/L
LC₅₀ upper 95% confidence limit	0.25 mg/L
Historic geometric mean LC₅₀	0.26 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.44 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q4
Version 4

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/12/04
Collection time	05:00
Collection method	Grab
Collector name (required)	Will Nalley

Note	Date	User name
Discharge was continuous throughout the month. Lab Salinity - 9.6 Field Salinity - 11.50	2026/01/21 14:07 (MST)	Brett Fairbairn

Test facility information

Species tested	Rainbow trout
Test method (required)	Multi concentration
Species used in test	Oncorhynchus Mykiss
Reference method	Rainbow Trout EPS 1/RM/13
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Harris Industrial Testing Service Ltd.
Test lab city (required)	Waverley
Test lab province (required)	Nova Scotia
Test start date (required)	2025/12/08
Test start time (required)	13:40
Person(s) performing the test (required)	J. Fraser
Person(s) verifying the test (required)	S. Elliot

Conditions in effluent sample

Temperature	14.5 °C
Dissolved oxygen	110 %
Electrical conductivity	16310 µS/cm
pH	7.8
pH adjustment to sample or solution?	No
pH adjustment procedure	
Pre-aeration rate	6.5 ± 1 mL/(min*L)
Pre-aeration time excluding standard initial aeration time	90 minutes
Stock tank mortality	0 %

Enter percentage mortality of fish in stock tank(s) from which test fish are taken, as recorded daily (or, as a minimum, for five of the seven days spanning a weekly period) for the seven day period immediately preceding the test

Common conditions

Aeration rate throughout test	6.5 ± 1 mL/(min*L)
Volume tested per vessel	20 L
Were any replication solutions used for control(s) and effluent concentrations?	No
Fish per vessel	10
Loading density	0.5 g/L

Conditions during test

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
100	14	14	9.9	9.5	7.9	8.2	16290	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
50	14	14	10.2	9.8	8	8	8980	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
25	14	14	10.2	9.6	8.1	8	4840	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
12.5	14	14	10.3	9.9	8	8	2730	0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
6.25	14	14	10.3	10.1	7.9	7.9	1766	0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Total number of dead fish	Number of stressed fish
	Time of test observation								
	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	0 th hour	96 th hour	96 th hour
0	14	14	10.3	10.2	7.7	7.9	398	0	0

Mortality and immobility information

Concentration (%v/v)	Mean number of fish in 96 th hour		Mean rate of fish in 96 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Fork length and wet weight information

Mean fork length	44 mm
Lower range fork length	40 mm
Upper range fork length	47 mm
Mean wet weight	1.01 g

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-11-21
Recent 96-hour reference toxicant test LC₅₀	0.28 mg/L
LC₅₀ lower 95% confidence limit	0.2 mg/L
LC₅₀ upper 95% confidence limit	0.4 mg/L
Historic geometric mean LC₅₀	0.26 mg/L
Lower warning limit (-2 values of S.D.)	0.16 mg/L
Upper warning limit (+2 values of S.D.)	0.44 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q4
Version 4

Final discharge point	Collection date
No data available	

Effluent information

Parent company

Parent company	Physical address
Agnico Eagle Mines Limited	400, 145 King, Street, East, Toronto, Ontario, M3C 2Y7, Canada

Facility name	Hope Bay Project
Facility city	Cambridge Bay
Facility province	Nunavut
Final discharge point	RBD-1
Final discharge point description	Effluent will be pumped and discharged to Roberts Bay through a single pipeline. The effluent stream will consist of water collected from contact water ponds, saline water from underground mines and excess water in the reclaim pond of the tailings impoundment area. The FDP is located at the upstream end of the pipeline, prior to discharge to Roberts Bay. On land portions of the pipeline are maintained by heat tracing to ensure reliability of the pipeline during freezing periods. Pumping, treatment and monitoring locations are located in heated buildings to maintain operational reliability. In-line TSS sensors are installed to continuously monitor effluent streams, enabling actions to be taken to direct non-compliant water to the TIA if required. The discharge system has the capability to suspend effluent discharge to Roberts Bay if required.
Effluent type	Tailings impoundment area effluent
Time zone	Mountain Time
Collection date	2025/10/02
Collection time	06:20
Collection method (required)	Grab
Collector name (required)	Kailey Niemi

Note	Date	User name
Discharge was continuous throughout the month. Lab Salinity - 4.3 Field Salinity - 4.53	2026/01/21 14:00 (MST)	Brett Fairbairn

Test facility information

Species tested	<i>Daphnia magna</i>
Test method (required)	Multi concentration
Species used in test	<i>Daphnia magna</i>
Reference method	Daphnia magna EPS 1/RM/14
Were there deviations from one or more "must" requirements in sections 2 to 7 in the method? (required)	No
Description of deviation (conditionally required)	
Test lab name (required)	Bureau Veritas
Test lab city (required)	Burnaby
Test lab province (required)	British Columbia
Test start date (required)	2025/10/03
Test start time (required)	14:32
Person(s) performing the test (required)	Dayna Lee, Ki Yeon Lee, Melanie Mazziotti, Melissa Thompson
Person(s) verifying the test (required)	Marie-Eve O'Toole

Conditions in effluent sample

Temperature	20 °C
Dissolved oxygen	119.3 %
Electrical conductivity	7826 µS/cm
pH	7.9
pH adjustment to sample or solution?	No
pH adjustment procedure	
Hardness adjustment to sample or solution?	No
Hardness before adjustment	1100 mg/L as CaCO ₃
Hardness after adjustment	1100 mg/L as CaCO ₃
Pre-aeration rate if dissolved oxygen is outside of the range	37.5 ± 12.5 mL/(min*L)
Pre-aeration time if dissolved oxygen is outside of the range	30 minutes
Days to first brood	8 days
Average neonates/brood	33
Percent mortality %	1.4 %
	Enter percent mortality during the seven-day period prior to a test

Common conditions

Volume tested per vessel 185 mL

Were any replication solutions used for control(s) and effluent concentrations? No

Neonates per vessel 10

Volume per neonate 18.5 mL

Conditions during test

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
100	19	19	9.2	8.9	8	8.2	7893		0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
50	19	19	9.2	8.9	8.1	8.2	4245		0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
25	19	19	9.2	9	8.1	8.1	2300		0	0

* Concentration (%v/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
12.5	19	19	9.2	9	8.1	8.1	1337		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
6.25	19	19	9.2	9	8.1	8.1	849		0	0

* Concentration (%w/v) (required)	Temperature (°C)		Dissolved oxygen (mg/L)		pH		Electrical conductivity (µS/cm)	Hardness (mg/L as CaCO ₃)	Number of dead daphnids	Number of immobile daphnids
	Time of test observation									
	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	48 th hour	0 th hour	0 th hour	48 th hour	48 th hour
0	19	19	9.2	9	8.1	8.1	334	100	0	0

Mortality and immobility information

Concentration (%w/v)	Mean number of daphnids in 48 th hour		Mean rate of daphnids in 48 th hour (%)	
	Dead	Immobile	Dead	Immobile
0%	0	0	0%	0%
6.25%	0	0	0%	0%
12.5%	0	0	0%	0%
25%	0	0	0%	0%
50%	0	0	0%	0%
100%	0	0	0%	0%

Result (Pass/Fail)

Pass

Median lethal concentration results

LC₅₀

Non-lethal

LC₅₀ lower 95% confidence limit

LC₅₀ upper 95% confidence limit

EC₅₀

EC₅₀ lower 95% confidence limit

EC₅₀ upper 95% confidence limit

Statistical method

Reference toxicant test results

Reference toxicant	Zinc
Date reference toxicant test initiated	2025-09-29
Recent 48-hour reference toxicant test LC₅₀	0.25 mg/L
LC₅₀ lower 95% confidence limit	0.2 mg/L
LC₅₀ upper 95% confidence limit	0.31 mg/L
Historic geometric mean LC₅₀	0.58 mg/L
Lower warning limit (-2 values of S.D.)	0.22 mg/L
Upper warning limit (+2 values of S.D.)	1.54 mg/L

Effluent characterization for acutely lethal effluent

Facility name Hope Bay Project
Reporting period 2025-Q4
Version 4

Final discharge point	Collection date
No data available	

