



TECHNICAL MEMORANDUM

To: Ian McAllister, Ashleigh Crompton, Mike Champion,
Mark Zan and Ryan Schucroft (Woodfibre LNG) **Date:** 2 Apr 2026

From: Holly Pelletier and Cheng Kuang (Lorax) **Project #:** A825-1

Subject: PE-111578 Weekly Discharge and Compliance Report #107 for March 22 – 28

Waste Discharge Authorization (WDA) Effluent Permit PE-111578 was issued by the British Columbia Energy Regulator (BCER) to Woodfibre LNG on February 9, 2024. The associated WDA discharge and compliance monitoring program is conducted by on-site Environmental Monitors (Roe Environmental) that are sub-contracted to the civil works contractor (LB LNG). Analytical samples are submitted by Roe Environmental to ALS Environmental in Burnaby, BC, for testing. Lorax Environmental Services Ltd. (Lorax) provides water quality database management and WDA compliance reporting services to Woodfibre LNG.

This technical memorandum (Report #107) was prepared by Lorax and summarizes WDA monitoring conducted for the period of March 22 – 28. Monitoring data and pending results from prior monitoring periods available at the time of reporting are tabulated and included as appendices to this memorandum. Report #107 has been prepared to meet the requirements specified in Condition 4.2 of PE-111578:

“The Permittee shall summarize the results of the discharge and compliance monitoring program in a report that shall be submitted to the BCER weekly over the term of this permit. Reports must include suitable tabulated data. The table must include any applicable regulatory limits/guidelines e.g. permit limits, BC Water Quality Guidelines etc. Any exceedances of respective regulatory limits/guidelines must be clearly highlighted. Any missed sampling events/missing data must be identified with an explanation provided. Reporting frequency may be reduced upon a history of compliance and by written confirmation from the BCER. These reports shall be submitted to Waste.Management@bc-er.ca. A copy of the reports shall be provided to each First Nation consulted with regarding this subject permit, and also made publicly available on the Woodfibre LNG Environmental Reporting webpage.”

Site layout and water management figures and site images are included in Appendix A. Monitoring results are tabulated in Appendix B through Appendix G for contact water, treated water and receiving environment samples.

1. Current Conditions

1.1 Water Management Infrastructure

The Construction Phase of the Woodfibre LNG Export Facility commenced in October 2023. Shoring works along the foreshore areas were initiated in December 2023, and construction of water management infrastructure commenced in early 2024. Land-based construction occurs within two water management areas east and west of Mill Creek, referred to as the east and west catchments, respectively. Non-contact water is intercepted and diverted around the construction areas to Howe Sound and Mill Creek. Stormwater runoff collected within the east and west catchment areas (7.12 and 5.92 ha, respectively) is managed as site contact water and is conveyed to the East Wastewater Treatment Plant (WWTP) for treatment, or to the East and West Sedimentation Ponds for settling of suspended particulate prior to discharge. Intermittent discharge to Howe Sound from the East and West Sedimentation Ponds commenced April and October 2024, respectively.

Non-contact water from the slopes above and outside the Woodfibre LNG construction area is intercepted by diversion ditches and conveyed to Howe Sound or Mill Creek. Diversion ditches for the west catchment convey water to Mill Creek at station OUT-06, or to Howe Sound at station OUT-02 (Appendix A, Figure 1). During heavy precipitation, non-contact water is also conveyed to Howe Sound via station OUT-01. East of Mill Creek, non-contact water is intercepted and diverted around the east catchment along pre-existing road ditches that flow to East Creek or Mill Creek and through Outfall 13 (OUT-13). The diversion ditch connected to Outfall 11 (OUT-11) is not yet constructed; therefore, Outfall 11 is not in use. The lower reach of East Creek discharges to Howe Sound through Outfall 12 (OUT-12).

The contact water conveyance ditches described in PE- 111578 were designed to transport non-contaminated contact water (*i.e.*, stormwater) to the East and West Sedimentation Ponds and will be constructed following completion of site preparation activities (*e.g.*, site grading, bedrock excavation) along the ditch lines. Until the ditches are operational, contact waters within the catchments are managed to remain on site using a system of berms, sumps, temporary ditches and baker tanks for intermediate storage and are then directed to the East WWTP for treatment, or the East and West Sedimentation Ponds prior to re-use or discharge.

The East and West WWTPs were commissioned to treat contaminated contact water in April and August 2024, respectively. The installed treatment capacities are 1,080 m³/day (East WWTP) and 120 m³/day (West WWTP). Lower than expected volumes of contaminated contact water have been encountered during construction; therefore, operation of the West WWTP has been suspended since September 25, 2024, and all contaminated contact waters are directed to the East WWTP for treatment. Treated effluent is generally directed to the East Sedimentation Pond. Occasionally the East WWTP effluent is discharged to Howe Sound at authorized discharge location SP-E-OUT.

Discharge from the East and West Sedimentation Ponds is controlled using pumps. Sedimentation pond effluent is pumped to the 2700GPM TSS settling system to remove TSS prior to discharge. Each sedimentation pond has an associated authorized discharge location (stations SP-E-OUT and SP-W-OUT) with an initial dilution zone (IDZ) where discharged water mixes with Howe Sound surface waters. The IDZ is defined in PE-111578 and extends in a 150 m radius from each point of discharge into Howe Sound. Since June 2025, surplus contact water in the East Sedimentation Pond is directed to the West Sedimentation Pond for storage or discharge, and discharge of clarified non-contaminated contact water to Howe Sound generally only occurs from the West Sedimentation Pond.

The flocculant-based 2700GPM TSS settling system has an installed capacity to clarify 14,700 m³/day of contact water and consists of six parallel treatment trains (Trains 1 to 6), each with an installed capacity of 2,450 m³/day. A staged commissioning of the 2700GPM system began June 2025 and was completed November 2025. Only one train is operated when contact water flows are low. Additional trains are activated as needed to match the influent volumes. Some of the TSS-clarified water may be recirculated back to the ponds or re-used for construction purposes (*e.g.*, dust suppression).

The construction phase water management layout and monitoring stations are shown in Appendix A, Figure 1. Contact water collection and dewatering locations and photographs of the sedimentation ponds are shown in Appendix A, Figure 2 through Figure 5.

1.2 Weather and Water Management

Variable weather conditions were observed during the March 22 – 28 monitoring period, with precipitation recorded March 22 (3.6 mm), March 24 (12.2 mm), March 25 (5.0 mm) and March 26 (0.4 mm). The total precipitation amount during the monitoring period was 21.2 mm. The daily weather conditions are summarized in Table 1.

Table 1:
Summary of Certified Project Area (CPA) Daily Weather Conditions.

Date	Precipitation (mm)	Max. Temp (°C)	Min. Temp (°C)	Weather Description
2026-03-22	3.6	9.8	3.0	Showers
2026-03-23	0	11.0	1.4	Clear
2026-03-24	12.2	12.9	3.9	Rain
2026-03-25	5.0	9.3	3.9	Scattered Showers
2026-03-26	0.4	7.9	1.8	Overcast
2026-03-27	0	11.6	3.2	Mix of sun and cloud
2026-03-28	0	11.4	3.2	Mix of sun and cloud

Note: Data retrieved from the Woodfibre on-site weather station operated by Stantec.

From March 22 – 28, the East Sedimentation Pond received water from the 6403 Sump, the M09 Sump, the MOF Sump and recirculated effluent from the East WWTP (Appendix A, Figure 2). No water from the East Sedimentation Pond was transferred to the West Sedimentation Pond from March 22 – 28 (Appendix B, Table B-6).

Routine operation of the East WWTP continued during the monitoring period (March 22 – 28). Concrete contact water was periodically directed to the East WWTP for treatment, as well as water stored in the East Sedimentation Pond (Appendix A, Figure 2 and Figure 3). East WWTP treated effluent was discharged to the East Sedimentation Pond each day during the monitoring period (March 22 – 28). Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-6).

From March 22 – 28, the West Sedimentation Pond received water from the Area 4100 and Area 4200 Sumps as well as recirculated effluent from the 2700GPM TSS settling system (Appendix A, Figure 3). West Sedimentation Pond effluent was clarified through the 2700GPM system each day during the monitoring period (March 22 – 28) and either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 2,375 m³ of clarified effluent was intermittently discharged to Howe Sound from station SP-W-OUT each day during the monitoring period (March 22 – 28) except on March 28. Clarified effluent was not reclaimed for construction use. Daily clarified effluent volumes from the 2700GPM TSS settling system recirculated to the West Sedimentation Pond or discharged to Howe Sound are provided in Appendix C (Table C-6).

2. Monitoring Summary

The locations of PE-111578 monitoring stations are shown on Figure 1. Monitoring is conducted by the on-site Environmental Monitors (Roe Environmental). Analytical samples are submitted by Roe Environmental to ALS Environmental in Burnaby, BC for testing.

The following PE-111578 and supplementary monitoring stations are currently being monitored:

- Non-contact diversion ditch outlet monitoring stations (OUT-01, OUT-02 and OUT-06).
- Creek water monitoring stations for Woodfibre, Mill and East Creek (SW-01, SW-02, SW-03, SW-04, SW-07).
- Contact water monitoring locations (SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN, WWTP-E-OUT, SP-W-IN, 2700GPM-IN, and 2700GPM-OUT).
- Supplementary contact water stations at the outlet of each sampling train. These samples are identified as W2700T#-OUT (with # equal to the train number).
- Effluent compliance stations (SP-E-OUT and SP-W-OUT). As described in Section 1.1, when there is surplus water, West Sedimentation Pond clarified effluent from the individual 2700GPM trains is directed to SP-W-OUT for discharge. From late September to early December 2025, SP-W-OUT was sampled from the discharge manhole. From December 1 to 8, a pipe manifold was installed that combines effluent from the individual trains into a single discharge line and is configured with a sampling port. Since December 8, samples have been collected at the sampling port or at the outfall.
- Howe Sound reference and IDZ monitoring stations (WQR1, WQR2, IDZ-E1, IDZ-E2, IDZ-W1, and IDZ-W2).

The diversion ditch outlet at Outfall 11 (OUT-11) does not receive water and will not be monitored until it is operational.

The influent culverts for East and West Sedimentation Ponds are not operational and the associated influent stations defined in PE-111578 (SP-E-IN-1, SP-E-IN-2, SP-W-IN-1 and SP-W-IN-2) have been replaced with temporary influent monitoring stations SP-E-IN and SP-W-IN (East and West Sedimentation Pond, respectively) located in-pond, at the influent end of each pond.

A flocculant-based TSS settling system (2700GPM) is used at the West Sedimentation Pond as described in Section 1.1. Influent and effluent are monitored at stations 2700GPM-IN and 2700GPM-OUT, respectively. The 2700GPM-OUT station represents the combined discharge line from all six individual treatment trains when clarified effluent is directed to the West Sedimentation Pond and is equivalent to the SP-W-OUT station. At times when only one 2700GPM treatment train is operated, the 2700GPM-OUT sample may be collected at the outlet of that train. Monitoring of the individual 2700GPM settling system treatment trains is supplemental to the PE-111578 monitoring requirements and is conducted at the discretion of field staff.

Water quality was monitored at stations OUT-02, IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1, WQR2, SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN, WWTP-E-OUT, SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T5-OUT, and W2700T6-OUT during the monitoring period (March 22 – 28). Sampling dates and parameters tested are summarized in Table 2.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (March 22 – 28) were met. The initial high frequency monitoring requirements outlined in effluent permit PE-111578 for the sedimentation ponds, WWTP and IDZ stations have been met. On June 25, 2025, BCER approved the implementation of low-frequency (*i.e.*, bi-monthly and monthly) monitoring requirements specified in PE-111578 for all parameters, except for metals, hexavalent chromium, and methylmercury, which continue to be monitored weekly at sedimentation pond and WWTP stations.

Daily field parameters and a weekly analytical sample were not collected at the east catchment effluent compliance station (SP-E-OUT) as there was no discharge to Howe Sound from the East Sedimentation Pond during the monitoring period (March 22 – 28). Daily field parameters were not collected at the west catchment effluent compliance station (SP-W-OUT) on March 26 and 28 as there was no discharge to Howe Sound from the West Sedimentation Pond at the time of monitoring. Daily field parameters were not collected at the influent and effluent stations of the East WWTP (WWTP-E-IN and WWTP-E-OUT, respectively) on March 23 as it was not operational at the time of monitoring. Daily field parameters and a weekly analytical sample were not collected at the influent and effluent stations of the West WWTP (WWTP-W-IN and WWTP-W-OUT, respectively) as it was not operational during the monitoring period (March 22 – 28).

**Table 2:
Summary of PE-111578 Monitoring Samples Collected March 22 – 28.**

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
March 22, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
	IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
	IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
	IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface			
WQR1-SF	Reference site 1; 2 m above the seafloor			
March 23, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port and at the SP-W-OUT outfall structure	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface			
WQR2-SF	Reference site 2; 2 m above the seafloor			
March 24, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	OUT-02	Non-contact water diversion ditch outlet	Field, Physical & General Parameters, Total and Dissolved Metals, and Methylmercury.	M, M ₅
March 25, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
March 26, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P

**Table 2 (continued):
Summary of PE-111578 Monitoring Samples Collected March 22 – 28.**

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
March 27, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
	IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
	IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
	IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface			
WQR1-SF	Reference site 1; 2 m above the seafloor			
March 28, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
	WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor			

Notes:

Monitoring frequency requirements under PE-111578 are indicated as follows:

D – daily monitoring of field parameters at WWTP and sedimentation pond influent and effluent stations.

M – monthly monitoring for all parameters at WWTP, sedimentation pond and receiving environment stations. Monthly monitoring for General parameters, except ammonia, nitrate and nitrite (*i.e.*, nitrogen species) are monitored weekly during blasting season.

M₂ – bi-monthly monitoring for physical parameters at WWTP and sedimentation pond stations.

M₅ – spring high-frequency (5-in-30) sampling for receiving environment stations.

W – weekly monitoring for metals, chromium speciation and methylmercury at WWTP and sedimentation pond influent and effluent stations, effective June 25, 2025.

P – periodic monitoring for targeted parameters that is supplementary to PE-111578 requirements.

3. Water Quality Results

3.1 Summary of Reported Results

Analytical results and associated field measurements included in this weekly report (Report #107) are listed below in Table 3, with additional field measurements presented in Table B-5 (Appendix B) and Table C-5 (Appendix C). Testing for methylmercury, dioxins, furans and toxicity may require four weeks or longer to complete. Analytical results not reported will be included in future weekly reports. Reporting of results is pending for the following samples and parameters:

- WWTP-E-OUT and SP-W-OUT collected February 9 (acute toxicity);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2 collected February 9 (chronic toxicity);
- IDZ-E1, IDZ-E2 and WQR1 collected March 4 (total mercury, methylmercury and dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected March 16 (total mercury, methylmercury and dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected March 22 (field and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected March 23 (field and all analytical parameters);
- OUT-02 collected March 24 (field and all analytical parameters);
- IDZ-E1, IDZ-E2 and WQR1 collected March 27 (field and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected March 28 (field and all analytical parameters).

**Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #107.**

Sample	Description	Sampling Date	Parameters Reported
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	March 1, 2026	Total Mercury, Methylmercury, Dioxins and Furans.
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	March 2, 2026	Total Mercury, Methylmercury, Dioxins and Furans.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	March 3, 2026	Dioxins and Furans.
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port		
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, at the SP-W-OUT outfall structure		
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	March 5, 2026	Dioxins and Furans.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		Total Mercury and Methylmercury.
OUT-02	Non-contact water diversion ditch outlet		
OUT-06	Non-contact water diversion ditch outlet		
OUT-01	Non-contact water diversion ditch outlet	March 8, 2026	Total Mercury and Methylmercury.
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	March 23, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port		
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, at the SP-W-OUT outfall structure		
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		
W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	March 24, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		

3.2 Screening and Reporting Overview

Water quality and flow monitoring results are screened against operational minimum discharge objectives (MDOs) for the East WWTP, and PE-111578 discharge limits for sedimentation pond and 2700GPM TSS settling system stations. The East WWTP MDOs were set equal to Canadian Council of Ministers of the Environment (CCME) water quality guidelines (WQGs) and the PE-111578 discharge limits. Contact and non-contact water monitoring results are also screened against Canadian (Canadian Council of Ministers of the Environment, CCME), Federal (Environment and Climate Change Canada, ECCC) and BC water quality guidelines (WQGs). All water quality data are recorded in the Woodfibre LNG environmental monitoring database. However, for brevity, a sub-set of the results are presented in the weekly report appendices. Results are reported for parameters with a freshwater, estuarine or marine water quality guideline for the protection of aquatic life, parameters with a discharge limit, parameters of potential concern (*i.e.*, dioxins and furans) as well as other parameters that are relevant for water quality interpretation.

It is expected that samples of contact water and samples collected within the IDZ (*i.e.*, mixing zone) defined in PE-111578 for the authorized discharge locations may have parameter concentrations above baseline or background (*i.e.*, reference station) concentrations due to project influence. As well, for receiving environment samples, parameter concentrations above a WQG value but within the range of values observed in the baseline monitoring program are considered to represent the background conditions of the water.

The values used for screening are listed in the water quality tables provided in the appendices. Results above a screening value are highlighted in the tables. Samples collected from sedimentation pond effluent that is discharged to Howe Sound (monitored at stations SP-E-OUT and SP-W-OUT) are evaluated for non-compliance to PE-111578 discharge limits. Exceedances in contact water that remains on-site and is not discharged (e.g., WWTP influent and effluent, sedimentation pond influent, TSS settling system influent, and TSS settling system effluent that is recirculated) are screened for comparison purposes only, and exceedances in these samples do not represent non-compliance to the PE-111578 conditions.

Canadian, Federal and BC WQGs are not specified for dioxins and furans. The general term “dioxins and furans” refers to a total of 210 polychlorinated dibenzo-*p*-dioxin (PCDD) and polychlorinated dibenzofuran (PCDF) compounds. A sub-set of 17 of the most toxic PCDDs and PCDFs are typically evaluated for toxicity by converting the individual parameter concentrations to toxic equivalent (TEQ) values that are summed and evaluated as a single PCDD/F TEQ parameter. To address uncertainties for results reported as not detected, two PCDD/F TEQ values are reported. A “lower-bound PCDD/F TEQ” is calculated assuming a concentration of zero for results reported as not detected, therefore, if all 17 of the individual compounds in the sub-set are

not detected the lower-bound PCDD/F TEQ will equal zero. An “upper-bound PCDD/F TEQ” is calculated assuming a concentration equal to the detection limit for results reported as not detected. These two parameters span the range of possible TEQs if one or more of the PCDDs and PCDFs are reported as not detected.

The BC WQG for total mercury is a sample-specific calculated value that is based on the concentration of methylmercury in a sample. Although an approved BC WQG for the protection of aquatic life for methylmercury has not been explicitly established, the BC Ambient Water Quality Guidelines for Mercury Overview Report indicates the total mercury WQG is derived from a methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) that is set at a concentration that protects fish from mercury bioaccumulation to levels that could harm wildlife that consumes fish. Therefore, if methylmercury results are reported, the 0.0001 µg/L value is presented as a WQG to support the interpretation of methylmercury results.

A summary of reported and pending results is provided in Section 3.1. Results for effluents from East WWTP, 2700GPM TSS settling system, and East and West Sedimentation Ponds are discussed in Section 3.3 and Section 3.4, respectively. The water quality monitored at non-contact water diversion ditch outlets and in the receiving environment is described in Section 3.5 to Section 3.7. Sediment samples are collected annually at stations IDZ-E-SED and IDZ-W-SED and are discussed in Section 3.7 when they are reported. Sediment samples were last collected July 2025 and the analytical results were presented in Report #82.

3.3 East Catchment

The east catchment water quality and flow monitoring results for stations at the East WWTP, the East Sedimentation Pond, and the authorized discharge location (SP-E-OUT) are discussed in this section and are tabulated in Appendix B.

Results are presented for field measurements of influent quality for the East Sedimentation Pond and East WWTP influent and effluent quality collected March 22 – 28, as well as analytical results for samples collected March 5 (total mercury and methylmercury for station COMB-WWTP-E-IN; as discussed in Report #104) and March 24 (stations SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT).

Field measurements for the East WWTP effluent samples (WWTP-E-OUT) collected March 22 – 28 and the analytical samples collected March 24 met MDOs (Appendix B, Table B-1, Table B-3 and Table B-5).

East WWTP effluent was directed to the East Sedimentation Pond and there was no discharge from the pond to Howe Sound from March 22 – 28 (Section 1.2; Table B-6 of Appendix B). Therefore, water quality samples and field measurements were not collected at the SP-E-OUT discharge location.

Dioxins and furans results were available at the time of reporting for East Sedimentation Pond influent as well as East WWTP influent and effluent collected on March 5 (as discussed in Report #104). Results are presented in Appendix B, Table B-4.

3.4 West Catchment

The west catchment water quality monitoring results for stations at the West Sedimentation Pond, the 2700GPM TSS settling system, and the authorized discharge location (SP-W-OUT) are discussed in this section and are tabulated in Appendix C. Operation of the West WWTP is suspended (refer to Section 1.1) and monitoring results are therefore not available for the stations at this facility.

As discussed in Section 1.2, a total of 2,375 m³ of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound from SP-W-OUT each day during the monitoring period (March 22 – 28) except on March 28.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected March 22 – 28, as well as analytical samples collected March 23 (stations SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T5-OUT and W2700T6-OUT).

Field measurements collected March 22 – 28 and the analytical samples collected at SP-W-OUT on March 23 met PE-111578 discharge limits and WQGs (Appendix C, Table C-2, Table C-3 and Table C-5).

Dioxins and furans results were available at the time of reporting for West Sedimentation Pond and 2700GPM TSS settling system influent as well as clarified sedimentation pond effluent from the 2700GPM TSS settling system that was discharged to Howe Sound from SP-W-OUT on March 3 (as discussed in Report #104). Results are presented in Appendix C, Table C-4.

3.5 Non-Contact Water Diversion Ditch Outlets

Total mercury and methylmercury analytical results were available at the time of reporting for the non-contact water diversion ditch outlet samples collected at stations OUT-02 and OUT-06 on March 5 (as discussed in Report #104) and at station OUT-01 on March 8 (as discussed in Report #105). The methylmercury concentrations ranged from 0.000022 to 0.000025 µg/L in all samples and met the WQG. The corresponding total mercury results met the WQG. Results are tabulated in Appendix D, Table D-1.

3.6 Freshwater and Estuarine Water Receiving Environment

Total mercury, methylmercury, dioxins and furans analytical results were available at the time of reporting for freshwater and estuarine water samples collected near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on March 1 as well as at the Mill Creek estuary, mid-stream and background stations (SW-03, SW-02 and SW-07, respectively) on March 2 (as discussed in Report #104).

Methylmercury concentrations ranged from <0.000020 to 0.000066 µg/L in all samples and met the WQG. The corresponding total mercury results met the WQG. Results are tabulated in Appendix E, Table E-1 (freshwater) and Appendix F, Table F-1 (estuarine water).

The lower and upper bound PCDD/F TEQ concentrations measured in these samples ranged from 0.00141 to 0.0666 pg/L and from 0.862 to 1.31 pg/L, respectively. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the pre-construction baseline monitoring program (0 to 0.08 pg/L and 5.25 to 5.30 pg/L, respectively) or within ranges observed at background stations (0 to 0.610 pg/L and 0.431 to 4.24 pg/L). Results are tabulated in Appendix E, Table E-2 (freshwater) and Appendix F, Table F-2 (estuarine water).

3.7 Marine Water Receiving Environment

Analytical results and field measurements were available at the time of reporting for marine water samples collected at 0.5 and 2 m below the water surface and 2 m above the seafloor on March 16 (stations IDZ-W1, IDZ-W2 and WQR2), as discussed in Report #106. The analytical results, field parameters, and WQGs are summarized in Appendix G.

Parameter concentrations met WQGs except dissolved oxygen and total boron in some samples (Appendix G; Table G-1 and Table G-2). Dissolved oxygen ranged from 6.37 to 6.99 mg/L and was below the lower limit of the WQG (8 mg/L) in samples collected at 2 m above the seafloor at IDZ-W1, IDZ-W2, and reference station WQR2 on March 16. Total boron was above the WQG (1.2 mg/L) and ranged from 1.43 to 2.97 mg/L in all marine water samples collected March 16, except at 0.5 m below the surface at IDZ-W2 and reference station WQR2.

Low concentrations of dissolved oxygen and elevated concentrations of total boron are indicative of influence from the deeper saline waters in the northern basin of Howe Sound and are a natural condition of marine water at the WDA monitoring stations. The dissolved oxygen and total boron concentrations observed at the IDZ monitoring stations are within concentration ranges that have been observed in the pre-construction baseline monitoring program (2.44 to 9.42 mg/L for dissolved oxygen and 0.0893 to 8.38 mg/L for total boron) or within ranges observed at marine reference stations (3.94 to 13.80 mg/L for dissolved oxygen and 0.30 to 5.06 mg/L for total boron).

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 4). The evaluation includes a review of field and lab QC, completeness of the weekly report (*e.g.*, pending data), completeness of the monitoring program, confirmation of recordkeeping, evaluation of compliance and review of water management activities. Items flagged for follow-up in Section 3 are also tracked in Table 4. Any items flagged for follow-up are carried forward to future reports until they are closed.

**Table 4:
Weekly Report QC Evaluations and Ongoing Items**

QC Procedure	Observation	Investigation/Resolution
Reporting Period (March 22 – 28, Report #107)		
Authorized Works and Monitoring Program Evaluation	The authorized works and monitoring stations have not been established as described in PE-111578.	The PE-111578 authorized works for water management have been constructed, except for some of the conveyance ditches, which require completion of site grading prior to installation. Sumps, pumps and hoses are used for temporary conveyance until the ditches are completed. The lower reach of East Creek was temporarily diverted through Outfall 11 from September 17, 2024 to November 18, 2025. As November 19, 2025, East Creek flows have been returned to the lower Channel that discharges to Howe Sound through the Outfall 12 culverts (OUT-12). The culvert at OUT-01 is being replaced and diversion water flows to OUT-01 have been redirected to OUT-02. Outfall 11 (OUT-11) has been constructed but is not in use. All monitoring stations have been established except at SP-E-IN-1, SP-E-IN-2, SP-W-IN-1 and SP- W- IN- 2 where substitute stations are established in lieu of those listed in PE-111578 (refer to Section 2). This item remains open.
Report #107: Pending Data	Analytical results not reported.	Field records and analytical results for receiving environment samples collected March 22, 23, 27 and 28 and for the non-contact water diversion ditch sample collected March 24 are pending and will be included in future weekly reports when available. This item remains open.
Ongoing Items from Previous Weekly Reports		
Report #98: WWTP Performance Evaluation	Hexavalent chromium above the MDO.	This item was first noted in Report #98. Hexavalent chromium concentrations ranged from 0.00081 to 0.00321 mg/L in the WWTP-E-OUT samples collected from January 20 through February 26, which were frequently above the MDO (0.0015 mg/L). Hexavalent chromium concentrations were 0.00096, 0.00076, 0.00087, <0.00050 and 0.00062 mg/L in the WWTP-E-OUT samples collected February 27, March 5, 10, 18 and 24, respectively, and met the MDO. The WWTP treatment performance for hexavalent chromium will continue to be evaluated in March 2026. This item remains open.
Report #101: WWTP Performance Evaluation	Total copper above the MDO.	This item was first noted in Report #101. Total copper concentrations were 0.00443, 0.00493 and 0.00451 mg/L in the samples collected at WWTP-E-OUT on February 12, 14 and 27 and were above the MDO (0.0043 mg/L). Total copper met the MDO in the subsequent samples collected at WWTP-E-OUT on March 5, 10, 18 and 24 (0.00150, 0.00137, 0.00150 and 0.00081 mg/L, respectively). The WWTP treatment performance for total copper will continue to be evaluated in March 2026 to determine if this is an isolated event or a recurring issue that requires additional investigation. This item remains open.
Report #101: Pending Data	Analytical results not reported.	Chronic toxicity results for receiving environment samples and acute toxicity results for treated water samples collected February 9 are pending and will be included in future weekly reports when available. This item remains open.
Report #104: Pending Data	Analytical results not reported.	Previously pending total mercury, methylmercury, dioxins and furans results for receiving environment, contact, treated and non-contact diversion ditch water samples collected March 1, 2, 3, and 5 are included in Report #107. Total mercury, methylmercury, dioxins and furans results for receiving environment samples collected March 4 are pending and will be included in future weekly reports when available. This item remains open.
Report #105: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for the non-contact water diversion ditch sample collected March 8 are included in Report #107. This item is closed.
Report #106: Potential Project Influence	Total aluminum, fluoride and hexavalent chromium at East Creek above WQGs and the baseline concentration ranges.	At the East Creek station (SW-04) on March 1, total aluminum, fluoride, and hexavalent chromium concentrations (1.83, 0.261, and 0.00184 mg/L) were 3.2, 2.2, and 1.8 times greater than their WQGs, and 6.9, 2.6, and 5.9 times greater than their pre-construction baseline maxima (0.264, <0.100, and 0.00031 mg/L), respectively. Potential influences to East Creek water quality at station SW-04 are being reviewed. This item remains open.
Report #106: Data QC	Data QC	Raised detection limits were reported for all total metals for the Mill Creek Estuary (station SW-03) sample collected March 2 resulting in the raised detection limit for total copper (<0.00250 mg/L) and total zinc (<0.0150 mg/L) above the long-term WQGs (0.002 and 0.01 mg/L, respectively). A laboratory re-analysis confirmed total copper (<0.00050 mg/L) and total zinc (<0.0030 mg/L) were below the WQGs. This item is closed.
Report #106: Pending Data	Analytical results not reported.	Previously pending field records and analytical results for receiving environment samples collected March 16 are included in Report #107. Total mercury, methylmercury, dioxins and furans results for these samples are pending and will be included in future weekly reports when available. This item remains open.

Notes:

Result QA/QC screening includes the evaluation of field and lab QC results, comparison of total and dissolved metal results and review for modified detection limits.

Pending data are outstanding results from monitoring samples reported in the current or previous weekly reports.

Authorized works and monitoring program evaluation is an assessment of the completeness of the authorized works and monitoring program compared to PE-111578 specified or implied requirements.

WWTP performance evaluation is an assessment of WWTP effluent quality compared to operational MDOs.

Data QC indicates an evaluation of data trends or inter-parameter relationships that suggest a test result may not be representative of water quality at the time of monitoring.

Non-compliant discharge indicates exceedance of a discharge limit or a discharge that bypasses the sedimentation pond discharge location.

Potential project influence is an assessment that water quality at creek and Howe Sound baseline stations are above the baseline concentration range and may indicate project influence at these stations.

4. Closure

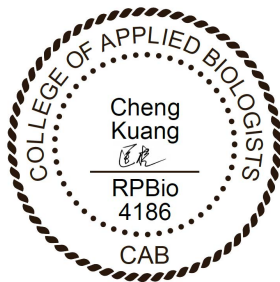
This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and prime contractor McDermott International and their sub-contractors. The records reviewed and analyzed by Lorax include ALS Environmental laboratory test reports and site reports (from Roe Environmental, LB LNG, McDermott and Woodfibre LNG). Verbal or electronic communications between Lorax, and Roe Environmental, LB LNG, McDermott, and Woodfibre LNG staff are conducted as needed to confirm the information presented in this report.

Regards,

LORAX ENVIRONMENTAL SERVICES LTD.



Holly Pelletier, B.Sc., GIT.
Environmental Geoscientist



Cheng Kuang, M.Sc., RPBio.
Environmental Scientist

***Appendix A:
Figures and Site Images***



World Imagery: District of Squamish. Additional imagery provided by McDermott International captured March 3rd, 2026.

LEGEND Freshwater Monitoring Station Marine Water Monitoring Station Clean Water Diversion Discharge Station Sedimentation Pond Monitoring Stations (Water Quality) Wastewater Treatment Plant (WWTP) Certified Project Area Watercourse Non-Contact Ditch Culvert / Outfall / Pipeline Non-Contact Water Transfer Hose Bathymetry Contour (Major: 50m) Bathymetry Contour (Minor: 10m)	DATE SAVED: Apr 02, 2026 DRAWN BY: DM REVIEWED: PM VERSION: 1	Coordinate System: NAD 1983 UTM Zone 10N Projection: Transverse Mercator Datum: North American 1983 Units: Metre 1:6,000 	CLIENT: 	PROJECT: Woodfire LNG Project Construction Phase
	TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (March 28, 2026) PROJECT #: A825-1 FIGURE: 1			



Figure 2: East Catchment contact water management facilities (March 22 – 28).

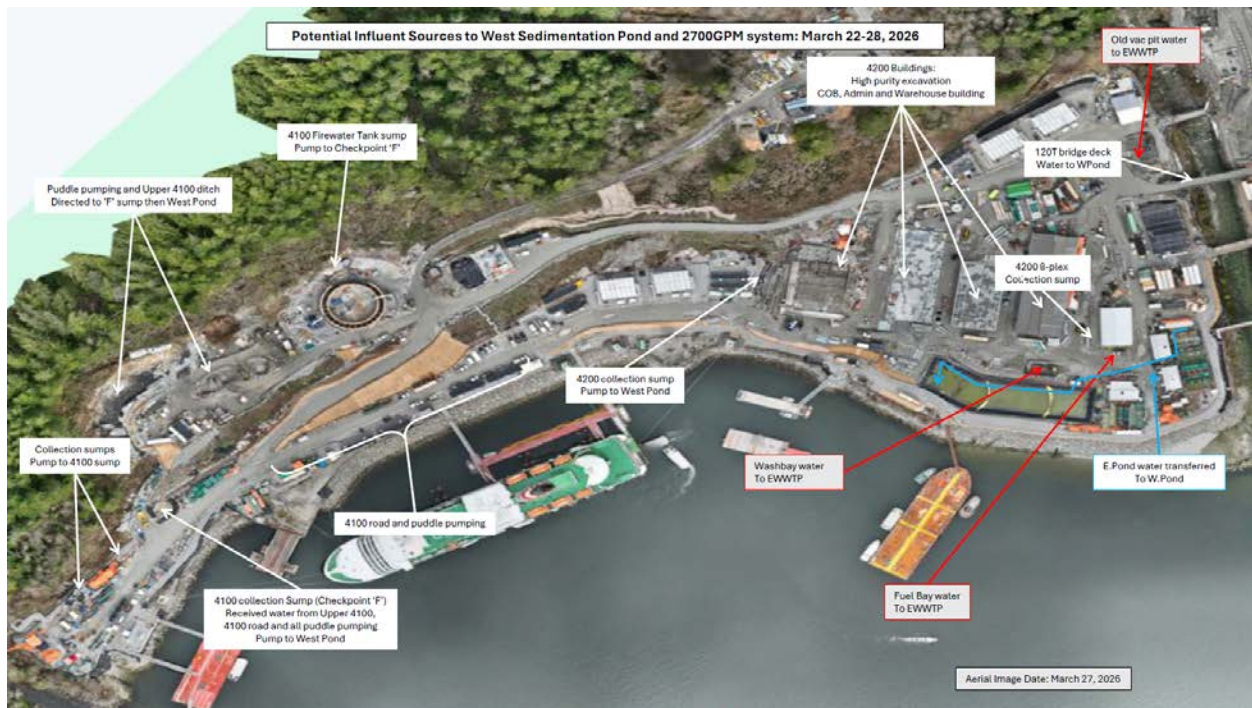


Figure 3: West Catchment contact water management facilities (March 22 – 28).



Figure 4: Aerial view of the East Sedimentation Pond (March 27, 2026). The East WWTP is located on the left side of the pond.



Figure 5: Aerial view of the West Sedimentation Pond (March 27, 2026).

***Appendix B:
East Catchment Monitoring Results***

**Table B-1:
East WWTP Influent and Effluent Analytical Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		PE-111578 Discharge Limit	Station WWTP-E-IN	Station COMB-WWTP-E-IN	Station WWTP-E-OUT
					Influent	Influent	Effluent
					WWTP-E-IN	COMB-WWTP-E-IN	WWTP-E-OUT
					VA26A6970-002	VA26A6970-003	VA26A6970-004
		Long Term	Short Term		2026-03-24 10:11	2026-03-24 10:35	2026-03-24 16:04
General Parameters							
pH - Field	pH units	- ²	-	5.5 - 9.0	8.12	7.75	7.10
Specific Conductivity - Field	µS/cm	-	-	-	504	530	614
Temperature - Field	°C	-	-	-	8.7	9.0	9.1
Salinity - Field	ppt	-	-	-	0.24	0.26	0.3
Turbidity - Field	NTU	-	-	-	691.82	39.79	2.93
TSS	mg/L	-	-	25 or 75 ⁵	763	30.2	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.86	12.05	12.48
Total Hardness	mg/L	-	-	-	179	64	17
Dissolved Hardness	mg/L	-	-	-	68.7	66.2	16.7
Anions and Nutrients							
Sulphate	mg/L	-	-	-	121	129	139
Chloride	mg/L	-	-	-	3.99	4.49	4.5
Fluoride	mg/L	-	1.5	-	0.104	0.103	0.102
Ammonia (N-NH ₃)	mg/L	2.9-29 ³	19-191 ³	-	0.0087	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.009	0.0076	0.0067
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.386	0.41	0.435
Total Organic Carbon (TOC)	mg/L	-	-	-	7.69	2.15	1.33
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.02	1.82	1.28
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	39.8	1.46	0.0534
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00099	0.00094	0.00103
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.0062	0.00206	0.00193
Barium, total (T-Ba)	mg/L	-	-	-	0.256	0.0213	0.00122
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000583	0.000028	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	<0.050	0.045	0.035
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<u>0.000261</u>	0.0000188	0.000007
Chromium, total (T-Cr)	mg/L	-	-	-	0.0156	0.00128	0.00093
Cobalt, total (T-Co)	mg/L	-	-	-	0.0127	0.00046	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.038	0.00277	0.00081
Iron, total (T-Fe)	mg/L	-	-	-	32.9	1.04	0.012
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.0131	0.00093	<0.000050
Manganese, total (T-Mn)	mg/L	0.1	-	-	<u>1.25</u>	0.057	0.00288
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0203	0.0182	0.0202
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<u>0.0112</u>	0.00055	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	<0.000250	0.000066	0.000095
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000056	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000085	<0.000010	0.000012
Uranium, total (T-U)	mg/L	-	-	-	0.0113	0.00899	0.00681
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.0594	0.0041	0.00248
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.144	0.0091	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00066	0.00066	0.00062
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000100	<0.0000100	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00138	0.00111	0.0009
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.018	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0221	0.0202	0.00247
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0986	0.0991	0.0442
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00213	0.0022	0.00247
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0011	0.0015	0.0017
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-

Notes:

East catchment influents and East WWTP effluent were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.

Non-detect results are screened using the detection limit value.

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceed the PE-111578 East Sedimentation Pond Discharge Limit.

The East Catchment did not discharge during the monitoring period (March 22 – 28).

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.

² The WQG was not evaluated for parameters with discharge limits.

³ The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

⁵ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

**Table B-2:
East Sedimentation Pond Influent and Effluent Analytical Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		PE-111578 Discharge Limit	Station SP-E-IN
		Long Term	Short Term		Influent
					VA26A6970-001 2026-03-24 10:51
General Parameters					
pH - Field	pH units	- ²	-	5.5 - 9.0	8.16
Specific Conductivity - Field	µS/cm	-	-	-	332
Temperature - Field	°C	-	-	-	7.2
Salinity - Field	ppt	-	-	-	0.16
Turbidity - Field	NTU	-	-	-	824.11
TSS	mg/L	-	-	25 or 75 ⁵	1230
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.2
Total Hardness	mg/L	-	-	-	255
Dissolved Hardness	mg/L	-	-	-	51.4
Anions and Nutrients					
Sulphate	mg/L	-	-	-	56.6
Chloride	mg/L	-	-	-	3.74
Fluoride	mg/L	-	1.5	-	0.105
Ammonia (N-NH ₃)	mg/L	2.9 ³	19 ³	-	0.0287
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0156
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.325
Total Organic Carbon (TOC)	mg/L	-	-	-	9.09
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.98
Total Metals					
Aluminum, total (T-Al)	mg/L	-	-	-	67.5
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00075
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00819
Barium, total (T-Ba)	mg/L	-	-	-	0.358
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000969
Boron, total (T-B)	mg/L	1.2	-	-	<0.050
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.000721
Chromium, total (T-Cr)	mg/L	-	-	-	0.0119
Cobalt, total (T-Co)	mg/L	-	-	-	0.0194
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.0414
Iron, total (T-Fe)	mg/L	-	-	-	54.7
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.0153
Manganese, total (T-Mn)	mg/L	0.1	-	-	2.4
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0195
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00809
Selenium, total (T-Se)	mg/L	0.002	-	-	<0.000250
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000068
Thallium, total (T-Tl)	mg/L	-	-	-	0.000069
Uranium, total (T-U)	mg/L	-	-	-	0.011
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.0883
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.312
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00145
Dissolved Metals					
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00126
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.091
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000054
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0228
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.068
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00239
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0014
Polycyclic Aromatic Hydrocarbons (PAHs)					
Acenaphthene	mg/L	0.006	-	-	-
Acridine	mg/L	-	-	-	-
Anthracene	mg/L	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-
Chrysene	mg/L	0.0001	-	-	-
Fluoranthene	mg/L	-	-	-	-
Fluorene	mg/L	0.012	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-
Naphthalene	mg/L	0.001	-	-	-
Phenanthrene	mg/L	-	-	-	-
Pyrene	mg/L	-	-	-	-
Quinoline	mg/L	-	-	-	-
Volatile Organic Compounds (VOCs)					
Benzene	mg/L	0.59	6.0	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-
Styrene	mg/L	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-
Total Xylenes	mg/L	0.07	1.0	-	-
Chlorobenzene	mg/L	0.025	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-

Notes:

East catchment influents and East WWTP effluent were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes. Non-detect results are screened using the detection limit value.

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceeded the PE-111578 East Sedimentation Pond Discharge Limit.

The East Catchment did not discharge during the monitoring period (March 22 – 28).

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.

² The WQG was not evaluated for parameters with discharge limits.

³ The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

⁵ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

**Table B-3:
East Catchment Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.**

Parameter					Total Methylmercury	Total Mercury
Unit					µg/L	µg/L
Lowest Applicable Guideline ¹					0.0001 ²	0.0093-0.019 ^{3,4}
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-E-IN	Influent	SP-E-IN	VA26A6970-001	2026-03-24	<0.000100	<u>0.0511</u>
WWTP-E-IN	Influent	WWTP-E-IN	VA26A6970-002	2026-03-24	<u>0.000229</u>	<u>0.0443</u>
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26A5305-005	2026-03-05	<u>0.000395</u>	<u>0.173</u>
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26A6970-003	2026-03-24	0.000060	0.00649
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26A6970-004	2026-03-24	<0.000020	0.00186

Notes:

East catchment influents and effluents were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.

Non-detect results are screened using the detection limit value.

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.

³ CCME guideline for total mercury = 0.016 µg/L.

⁴ When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected.

**Table B-4:
East Catchment Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.**

Parameter					Lower Bound PCDD/F TEQ	Upper Bound PCDD/F TEQ
Unit					pg/L	pg/L
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-E-IN	Influent	SP-E-IN	VA26A5308-001	2026-03-05	0.0007	1.11
WWTP-E-IN	Influent	WWTP-E-IN	VA26A5308-002	2026-03-05	0.00928	1.73
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26A5308-003	2026-03-05	0.00819	0.710

Notes:

PCDD = polychlorinated dibenzodioxins (dioxins)

PCDF = polychlorinated dibenzofurans (furans)

TEQ = toxic equivalency

Lower bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned a value of zero (0).

Upper bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned the value of the detection limit.

**Table B-5:
East Catchment Field Measurements Collected During the Monitoring Period (March 22 – 28).**

Parameter	Temperature	Dissolved Oxygen (DO)	Salinity	Turbidity	Estimated TSS ³	pH	Specific Conductivity	Visibility of Sheen		
Unit	°C	mg/L	ppt	NTU	mg/L	s.u.	µS/cm			
PE-111578 Discharge Limit	-	-	-	-	25 or 75 ⁶	5.5 - 9.0	-	-		
Lowest Applicable Guideline¹	-	≥8	-	-	- ²	- ²	-	-		
Station ID	Water Type	Date								
Influent⁴										
SP-E-IN	Influent	2026-03-22 15:26	10.5	11.98	0.24	51.91	41.7	6.81	496	No
SP-E-IN	Influent	2026-03-23 15:09	11.8	11.89	0.21	87.58	68.3	7.82	442	No
SP-E-IN	Influent	2026-03-24 10:51	7.2	12.20	0.16	824.11	617.6	8.16	332	No
SP-E-IN	Influent	2026-03-25 11:37	8.1	11.96	0.27	51.96	41.8	7.89	548	No
SP-E-IN	Influent	2026-03-26 8:55	7.2	12.63	0.30	59.16	47.1	7.51	619	No
SP-E-IN	Influent	2026-03-27 15:02	9.8	12.46	0.41	8.25	9.2	7.53	831	No
SP-E-IN	Influent	2026-03-28 9:56	8.6	12.10	0.34	9.54	10.1	7.82	692	No
WWTP-E-IN	Influent	2026-03-22 15:16	10.3	12.17	0.26	55.52	44.4	7.51	534	No
WWTP-E-IN	Influent	2026-03-24 10:11	8.7	11.86	0.24	691.82	519.0	8.12	504	No
WWTP-E-IN	Influent	2026-03-25 11:46	7.7	11.56	0.28	245.23	185.9	7.66	578	No
WWTP-E-IN	Influent	2026-03-26 9:02	6.6	11.80	0.28	266.88	202.0	7.81	569	No
WWTP-E-IN	Influent	2026-03-27 15:06	9.1	12.92	0.30	76.16	59.8	7.67	611	No
WWTP-E-IN	Influent	2026-03-28 9:52	8.2	12.94	0.32	25.88	22.3	7.59	657	No
Effluent⁵										
WWTP-E-OUT	Effluent	2026-03-22 15:22	10.3	11.91	0.28	2.18	4.6	7.04	581	No
WWTP-E-OUT	Effluent	2026-03-24 10:26	9.0	12.51	0.30	4.53	6.4	7.00	622	No
WWTP-E-OUT	Effluent	2026-03-24 16:04	9.1	12.48	0.30	2.93	5.2	7.10	614	No
WWTP-E-OUT	Effluent	2026-03-25 11:43	8.8	12.08	0.33	2.97	5.2	7.32	676	No
WWTP-E-OUT	Effluent	2026-03-26 9:03	7.7	12.87	0.33	0.57	3.4	7.29	678	No
WWTP-E-OUT	Effluent	2026-03-27 15:10	8.9	11.93	0.40	7.51	8.6	7.24	803	No
WWTP-E-OUT	Effluent	2026-03-27 15:12	8.9	11.92	0.40	7.60	8.7	7.09	805	No
WWTP-E-OUT	Effluent	2026-03-28 9:50	9.3	12.84	0.37	5.26	6.9	7.50	754	No

Notes:

The east catchment did not discharge to Howe Sound during the monitoring period (March 22 – 28). Results above screening values are highlighted for comparative purposes.

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceed the PE-111578 East Sedimentation Pond Discharge Limit.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² The WQG was not evaluated for parameters with discharge limits.

³ TSS concentration is estimated from field turbidity measurements using a site-specific relationship $TSS = 0.7458 * [turbidity \text{ as NTU}] + 3$.

⁴ Daily field measurements for station SP-E-IN were collected from cell 1 of the East Sedimentation Pond. Daily field measurements were not collected for station WWTP-E-IN on March 23 as the East WWTP was not operational at the time of monitoring.

⁵ There was no discharge at the authorized discharge location (SP-E-OUT) during the monitoring period (March 22 – 28), therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field measurements were not collected for station WWTP-E-OUT on March 23 as the East WWTP was not operational at the time of monitoring.

⁶ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

**Table B-6:
East Catchment Daily Discharge Volumes for the Monitoring Period (March 22 – 28).**

	East Sedimentation Pond Effluent	Transfer to West Sedimentation Pond	East WWTP Treated Effluent (Station WWTP-E-OUT) ²	Discharge to Howe Sound (Station SP-E-OUT)
Units	m ³	m ³	m ³	m ³
PE-111578 Discharge Limit	-	-	1,100	- ¹
Date				
2026-03-22	0	0	283	0
2026-03-23	0	0	120	0
2026-03-24	0	0	481	0
2026-03-25	0	0	329	0
2026-03-26	0	0	424	0
2026-03-27	0	0	447	0
2026-03-28	0	0	544	0

Notes:

Results in **orange text** exceed the PE-111578 East Sedimentation Pond Discharge Limit.

¹ As noted in PE-111578 Condition 2.1.4, the annual average authorized discharge rate from the East Sedimentation Pond to Howe Sound was set to 650 m³/day for the purpose of calculating discharge fees as required by the Permit and Approval Fees and Charges Regulation. Therefore, the annual average authorized discharge rate is not evaluated as a discharge limit.

² East WWTP treated effluent was recirculated to the East Sedimentation Pond.

***Appendix C:
West Catchment Monitoring Results***

**Table C-1:
West 2700GPM TSS Settling System Influent and Effluent Analytical Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		PE-111578 Discharge Limit	Station 2700GPM-IN	Station W2700T5-OUT	Station W2700T6-OUT
					Influent	Effluent	Effluent
		W2700-IN	W2700T5-OUT		W2700T6-OUT		
		VA26A6833-002	VA26A6833-003		VA26A6833-004		
		Long Term	Short Term		2026-03-23 11:26	2026-03-23 10:54	2026-03-23 11:02
General Parameters							
pH - Field	pH units	- ²	-	5.5 - 9.0	7.73	7.70	7.69
Specific Conductivity - Field	µS/cm	-	-	-	178	185	179
Temperature - Field	°C	-	-	-	8.2	8.7	8.4
Salinity - Field	ppt	-	-	-	0.08	0.09	0.08
Turbidity - Field	NTU	-	-	-	23.91	7.85	6.26
TSS	mg/L	-	-	25 or 75 ⁵	22.4	4.2	3.8
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.45	13.07	14.19
Total Hardness	mg/L	-	-	-	35.3	34	35.2
Dissolved Hardness	mg/L	-	-	-	30.4	33	33.3
Anions and Nutrients							
Sulphate	mg/L	-	-	-	39.9	41.7	40.5
Chloride	mg/L	-	-	-	1.4	1.46	1.41
Fluoride	mg/L	-	1.5	-	0.039	0.041	0.038
Ammonia (N-NH ₃)	mg/L	7.2 ³	48 ³	-	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0022	0.0021	0.0022
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.175	0.181	0.185
Total Organic Carbon (TOC)	mg/L	-	-	-	3.38	2.79	2.92
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	3.02	2.87	2.79
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	1.43	0.41	0.316
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00041	0.00043	0.00042
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00101	0.00081	0.00076
Barium, total (T-Ba)	mg/L	-	-	-	0.0135	0.00446	0.00331
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000026	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.014	0.012	0.011
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000226	0.0000078	0.0000064
Chromium, total (T-Cr)	mg/L	-	-	-	0.00069	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00039	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00308	0.00179	0.00167
Iron, total (T-Fe)	mg/L	-	-	-	1.05	0.192	0.147
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.0013	0.000475	0.000412
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.043	0.0149	0.0129
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0065	0.0065	0.00616
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.0005	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000066	0.000078	0.000086
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000011	<0.000010	0.000011
Uranium, total (T-U)	mg/L	-	-	-	0.00261	0.00218	0.00191
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00253	0.00115	0.00107
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0158	0.0041	0.0036
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	0.0000071	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00129	0.00123	0.0012
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.024	0.021	0.02
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000071	0.000071	0.000077
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00887	0.00997	0.00862
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0449	0.0427	0.0429
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00092	0.00074	0.0007
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0031	0.0016	0.0017
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-

Notes:

West catchment influents were not discharged to Howe Sound. Influent results above screening values are only highlighted for comparative purposes.

Non-detect results are screened using the detection limit value.

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceed the PE-111578 West Sedimentation Pond Discharge Limit.

The West Catchment intermittently discharged each day during the monitoring period (March 22 – 28) except on March 28.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.

² The WQG was not evaluated for parameters with discharge limits.

³ The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

⁵ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

**Table C-2:
West Sedimentation Pond Influent and Effluent Analytical Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		PE-111578 Discharge Limit	Station SP-W-IN	Station SP-W-OUT	Station SP-W-OUT	Station SP-W-OUT
					Influent	Effluent	Effluent	Effluent
					SP-W-IN	SP-W-OUT-Port	SP-W-OUT-Outfall	SP-W-OUT-Outfall-DUP
					VA26A6833-001 2026-03-23 11:57	VA26A6833-005 2026-03-23 10:02	VA26A6833-006 2026-03-23 10:06	VA26A6833-007 2026-03-23 10:07
Long Term		Short Term						
General Parameters								
pH - Field	pH units	- ²	-	5.5 - 9.0	7.82	7.13	7.83	7.34
Specific Conductivity - Field	µS/cm	-	-	-	150	174	175	175
Temperature - Field	°C	-	-	-	8.4	7.7	7.8	7.6
Salinity - Field	ppt	-	-	-	0.07	0.08	0.08	0.08
Turbidity - Field	NTU	-	-	-	17.75	7.93	8.06	7.6
TSS	mg/L	-	-	25 or 75 ⁵	22.8	3.4	<3.0	4.2
Dissolved Oxygen - Field	mg/L	≥8	-	-	13.24	14.01	13.61	13.42
Total Hardness	mg/L	-	-	-	30.1	34.5	34.4	33.5
Dissolved Hardness	mg/L	-	-	-	27.9	33.3	32.9	33.6
Anions and Nutrients								
Sulphate	mg/L	-	-	-	27.8	40.5	41.3	40.6
Chloride	mg/L	-	-	-	1.09	1.4	14	5.68
Fluoride	mg/L	-	1.5	-	0.033	0.038	0.038	0.038
Ammonia (N-NH ₃)	mg/L	4.7-29 ³	31-191 ³	-	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0012	0.0022	0.0026	0.0022
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.136	0.179	0.174	0.177
Total Organic Carbon (TOC)	mg/L	-	-	-	3.4	3.01	2.94	2.89
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.89	2.90	2.87	2.85
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	1.22	0.42	0.407	0.405
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00033	0.00042	0.00041	0.0004
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.0008	0.00079	0.00077	0.00077
Barium, total (T-Ba)	mg/L	-	-	-	0.0106	0.00441	0.00504	0.00522
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000023	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.011	0.011	0.012	0.011
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000172	0.0000086	0.0000061	0.000007
Chromium, total (T-Cr)	mg/L	-	-	-	0.00054	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00032	<0.00010	<0.00010	0.0001
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00203	0.00169	0.00134	0.00142
Iron, total (T-Fe)	mg/L	-	-	-	0.874	0.205	0.194	0.193
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.00104	0.000427	0.000393	0.000382
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0345	0.0154	0.0146	0.0151
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00515	0.00654	0.00624	0.00618
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	<0.000050	0.000057	0.000058	<0.000050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00188	0.00212	0.00202	0.00197
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00207	0.00113	0.00109	0.00111
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0113	0.0043	0.0044	0.0035
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	0.0000068	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00111	0.00112	0.00097	0.00104
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.028	0.019	0.019	0.019
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000081	0.000056	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00774	0.00964	0.00917	0.00908
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0372	0.0419	0.0435	0.0415
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00072	0.00072	0.0007	0.00068
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0021	0.0012	0.0011	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	mg/L	0.006	-	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)								
Benzene	mg/L	0.59	6.0	-	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-	-

Notes:

West catchment influents were not discharged to Howe Sound. Influent results above screening values are only highlighted for comparative purposes. Non-detect results are screened using the detection limit value.

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceed the PE-111578 West Sedimentation Pond Discharge Limit.

The West Catchment intermittently discharged each day during the monitoring period (March 22 – 28) except on March 28.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.

² The WQG was not evaluated for parameters with discharge limits.

³ The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

⁵ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

**Table C-3:
West Catchment Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.**

Parameter					Total Methylmercury	Total Mercury
Unit					µg/L	µg/L
Lowest Applicable Guideline ¹					0.0001 ²	0.0071-0.015 ^{3,4}
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26A6833-001	2026-03-23	0.000050	0.00658
2700GPM-IN	Influent	W2700-IN	VA26A6833-002	2026-03-23	0.000052	0.00789
Effluent						
SP-W-OUT	Effluent	SP-W-OUT-Port	VA26A6833-005	2026-03-23	0.000031	0.00271
SP-W-OUT	Effluent	SP-W-OUT-Outfall	VA26A6833-006	2026-03-23	0.000030	0.00384
SP-W-OUT	Effluent	SP-W-OUT-Outfall-DUP	VA26A6833-007	2026-03-23	0.000039	0.00326
W2700T5-OUT	Effluent	W2700T5-OUT	VA26A6833-003	2026-03-23	0.000031	0.00350
W2700T6-OUT	Effluent	W2700T6-OUT	VA26A6833-004	2026-03-23	0.000041	0.00293

Notes:

West catchment influents were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.

Non-detect results are screened using the detection limit value.

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.

³ CCME guideline for total mercury = 0.016 µg/L.

⁴ When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected.

**Table C-4:
West Catchment Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.**

Parameter					Lower Bound PCDD/F TEQ	Upper Bound PCDD/F TEQ
Unit					pg/L	pg/L
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26A5016-001	2026-03-03	0.0299	1.29
2700GPM-IN	Influent	W2700-IN	VA26A5016-002	2026-03-03	0.494	1.44
Effluent						
SP-W-OUT	Effluent	SP-W-OUT-Port	VA26A5016-007	2026-03-03	0	1.82
SP-W-OUT	Effluent	SP-W-OUT-Outfall	VA26A5016-005	2026-03-03	0	1.80
SP-W-OUT	Effluent	SP-W-OUT-Outfall-DUP	VA26A5016-006	2026-03-03	0	1.94

Notes:

PCDD = polychlorinated dibenzodioxins (dioxins)

PCDF = polychlorinated dibenzofurans (furans)

TEQ = toxic equivalency

Lower bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned a value of zero (0).

Upper bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned the value of the detection limit.

**Table C-5:
West Catchment Field Measurements Collected During the Monitoring Period (March 22 – 28).**

Parameter			Temperature	Dissolved Oxygen (DO)	Salinity	Turbidity	Estimated TSS ³	pH	Specific Conductivity	Visibility of Sheen
Unit			°C	mg/L	ppt	NTU	mg/L	s.u.	µS/cm	
PE-111578 Discharge Limit			-	-	-	-	25 or 75 ⁶	5.5 - 9.0	-	-
Lowest Applicable Guideline¹			-	≥8	-	-	- ²	- ²	-	-
Station ID	Water Type	Date								
Influent⁴										
SP-W-IN	Influent	2026-03-22 14:40	9.4	12.45	0.06	53.35	42.8	7.68	123	No
SP-W-IN	Influent	2026-03-23 11:57	8.4	13.24	0.07	17.75	16.2	7.82	150	No
SP-W-IN	Influent	2026-03-24 16:59	8.6	11.85	0.10	44.36	36.1	7.89	200	No
SP-W-IN	Influent	2026-03-25 10:30	8.6	10.97	0.10	23.89	20.8	7.77	219	No
SP-W-IN	Influent	2026-03-26 8:33	7.8	12.58	0.10	5.22	6.9	7.53	205	No
SP-W-IN	Influent	2026-03-27 14:06	10.4	12.37	0.08	18.34	16.7	7.37	168	No
SP-W-IN	Influent	2026-03-28 13:26	9.5	12.04	0.08	7.25	8.4	7.76	168	No
2700GPM-IN	Influent	2026-03-22 14:47	9.5	11.99	0.08	23.13	20.3	7.76	162	No
2700GPM-IN	Influent	2026-03-23 11:26	8.2	12.45	0.08	23.91	20.8	7.73	178	No
2700GPM-IN	Influent	2026-03-24 16:56	9.0	11.59	0.10	37.6	31.0	7.77	212	No
2700GPM-IN	Influent	2026-03-25 11:29	8.2	11.62	0.16	113.11	87.4	7.66	337	No
2700GPM-IN	Influent	2026-03-26 8:40	7.4	12.12	0.11	5.48	7.1	7.68	239	No
2700GPM-IN	Influent	2026-03-27 14:32	9.5	12	0.09	12.42	12.3	7.89	194	No
2700GPM-IN	Influent	2026-03-28 13:23	9.5	11.84	0.08	6.58	7.9	7.73	170	No
Effluent⁵										
SP-W-OUT	Effluent	2026-03-22 14:21	9.4	12.39	0.08	6.34	7.7	7.56	166	No
SP-W-OUT	Effluent	2026-03-23 10:02	7.7	14.01	0.08	7.93	8.9	7.13	174	No
SP-W-OUT	Effluent	2026-03-23 10:06	7.8	13.61	0.08	8.06	9.0	7.83	175	No
SP-W-OUT	Effluent	2026-03-24 15:51	8.1	11.66	0.10	8.03	9.0	8.05	220	No
SP-W-OUT	Effluent	2026-03-25 10:35 ⁷	7.9	11.67	0.15	11.92	11.9	7.88	308	No
SP-W-OUT	Effluent	2026-03-25 10:37 ⁷	7.8	11.69	0.15	11.43	11.5	7.89	308	No
SP-W-OUT	Effluent	2026-03-25 15:18	8.6	11.68	0.14	4.26	6.2	7.83	300	No
SP-W-OUT	Effluent	2026-03-27 14:13	8.0	12.19	0.10	2.99	5.2	7.89	216	No
W2700T4-OUT ⁵	Effluent	2026-03-26 08:43	7.4	12.54	0.12	3.80	5.8	7.75	243	No

Notes:

West catchment influents for March 22 – 28 were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

Results in **orange text** exceed the PE-111578 West Sedimentation Pond Discharge Limit.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² The WQG was not evaluated for parameters with discharge limits.

³ TSS concentration is estimated from field turbidity measurements using a site-specific relationship $TSS = 0.7458 * [turbidity \text{ as NTU}] + 3$.

⁴ Daily field measurements for station SP-W-IN were collected from cell 1 of the West Sedimentation Pond.

⁵ As described in Section 1.1, when there is surplus water, West Sedimentation Pond clarified effluent from the individual 2700GPM trains is directed to SP-W-OUT for discharge. 2700GPM clarified effluent from trains 3, 4, 5 and 6 was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) each day during the monitoring period (March 22 – 28). Daily field parameters were not collected from station SP-W-OUT on March 26 as there was no discharge to Howe Sound at the time of monitoring nor on March 28 as there was no discharge to Howe Sound that day. Field measurements collected on March 26 from train 4 during recirculation to the West Sediment Pond are shown in the table as a proxy for the effluent quality at SP-W-OUT since only 2700GPM clarified effluent from train 4 was intermittently discharged to Howe Sound on March 26.

⁶ The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

⁷ Field measurements collected at SP-W-OUT on March 25 at 10:35 and 10:37 were collected from residual water in the outfall structure. There was no discharge to Howe Sound at the time these field measurements were collected.

**Table C-6:
West Catchment Daily Discharge Volumes for the Monitoring Period (March 22 – 28).**

	West Sedimentation Pond Effluent	West TSS Settling System (2700GPM) Clarified Effluent (Station 2700GPM-OUT) ³	Water Reclaimed for Construction Purposes (Station 2700GPM-OUT)	West WWTP Treated Effluent ¹ (Station WWTP-W-OUT)	Discharge to Howe Sound (Station SP-W-OUT)
Unit	m ³	m ³	m ³	m ³	m ³
PE-111578 Discharge Limit	-	-	-	120	- ²
Date					
2026-03-22	0	2,244	0	0	248
2026-03-23	0	1,275	0	0	452
2026-03-24	0	2,229	0	0	708
2026-03-25	0	1,974	0	0	672
2026-03-26	0	2,667	0	0	120
2026-03-27	0	2,685	0	0	176
2026-03-28	0	2,130	0	0	0

Notes:

Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.

¹ The West WWTP is not being operated therefore discharges are not expected from this facility.

² As noted in PE-111578 Condition 2.2.4, the annual average authorized discharge rate from the West Sedimentation Pond to Howe Sound was set to 310 m³/day for the purpose of calculating discharge fees as required by the Permit and Approval Fees and Charges Regulation. Therefore, the annual average authorized discharge rate is not evaluated as a discharge limit.

³ Clarified effluent from the 2700GPM TSS settling system is recirculated to the West Sedimentation Pond, discharged to Howe Sound or reclaimed for construction purposes based on operational considerations. Daily discharge volumes from station 2700GPM-OUT are a sum of all active treatment trains.

***Appendix D:
Non-Contact Water Diversion Ditch Outlets
Monitoring Results***

**Table D-1:
Non-contact Water Diversion Ditch Outlet Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.**

Parameter					Total Methylmercury	Total Mercury
Unit					µg/L	µg/L
Lowest Applicable Guideline ¹					0.0001 ²	0.010-0.015 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
OUT-02	Non-Contact Water Diversion Ditch Outlet	OUT-02	VA26A5324-001	2026-03-05	0.000022	0.00224
OUT-06	Non-Contact Water Diversion Ditch Outlet	OUT-06	VA26A5324-002	2026-03-05	0.000025	0.00380
OUT-01	Non-Contact Water Diversion Ditch Outlet	OUT-01	VA26A5496-001	2026-03-08	0.000023	0.00350

Notes:

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of freshwater aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.

³ CCME guideline for total mercury = 0.026 µg/L.

⁴ When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected.

Non-detect results are screened using the detection limit value.

***Appendix E:
Freshwater Receiving Environment Monitoring
Results***

**Table E-1:
Freshwater Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.**

Parameter					Total Methylmercury	Total Mercury
Unit					µg/L	µg/L
Lowest Applicable Guideline ¹					0.0001 ²	0.0026-0.0044 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	SW-01	VA26A4855-001	2026-03-01	0.000066	0.00169
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)	SW-04	VA26A4855-002	2026-03-01	<0.000020	0.00087
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA26A4917-001	2026-03-02	<0.000020	0.00068
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA26A4917-003	2026-03-02	<0.000020	0.00063

Notes:

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of freshwater aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.

³ CCME guideline for total mercury = 0.026 µg/L.

⁴ When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected.

Non-detect results are screened using the detection limit value.

**Table E-2:
Freshwater Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.**

Parameter					Lower Bound PCDD/F TEQ	Upper Bound PCDD/F TEQ
Unit					pg/L	pg/L
Station	Water Type	Sample ID	Lab ID	Sampling Date		
SW-01	Woodfibre Creek Lower Reach	SW-01	VA26A4858-001	2026-03-01	0.0666	1.06
SW-04	East Creek Lower Reach	SW-04	VA26A4858-002	2026-03-01	0.0243	1.14
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA26A4920-001	2026-03-02	0.00141	1.14
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA26A4920-003	2026-03-02	0.0330	1.31

Notes:

PCDD = polychlorinated dibenzodioxins (dioxins)

PCDF = polychlorinated dibenzofurans (furans)

TEQ = toxic equivalency

Lower bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned a value of zero (0).

Upper bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned the value of the detection limit.

***Appendix F:
Estuarine Water Receiving Environment
Monitoring Results***

**Table F-1:
Estuarine Water Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.**

Parameter					Total Methylmercury	Total Mercury
Unit					µg/L	µg/L
Lowest Applicable Guideline ¹					0.0001 ²	0.0021 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-03	Mill Creek Estuary	SW-03	VA26A4917-002	2026-03-02	0.000030	0.00063

Notes:

Results **exceed** the applicable long-term water quality guideline for the protection of freshwater aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.

³ CCME guideline for total mercury = 0.026 µg/L.

⁴ When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected.

Non-detect results are screened using the detection limit value.

**Table F-2:
Estuarine Water Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.**

Parameter					Lower Bound PCDD/F TEQ	Upper Bound PCDD/F TEQ
Unit					pg/L	pg/L
Station	Water Type	Sample ID	Lab ID	Sampling Date		
SW-03	Mill Creek Estuary	SW-03	VA26A4920-002	2026-03-02	0.00463	0.862

Notes:

PCDD = polychlorinated dibenzodioxins (dioxins)

PCDF = polychlorinated dibenzofurans (furans)

TEQ = toxic equivalency

Lower bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned a value of zero (0).

Upper bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned the value of the detection limit.

***Appendix G:
Marine Water Receiving Environment Monitoring
Results***

**Table G-1:
Summary of Marine Water Quality Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		Station IDZ-W1	Station IDZ-W1	Station IDZ-W1	Station IDZ-W1	Station IDZ-W2	Station IDZ-W2	Station IDZ-W2
				0.5 m Below Surface	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-W1-0.5	IDZ-W1-0.5-DUP	IDZ-W1-2m	IDZ-W1-SF	IDZ-W2-0.5	IDZ-W2-2m	IDZ-W2-SF
				VA26A6161-004	VA26A6161-005	VA26A6161-007	VA26A6161-008	VA26A6161-009	VA26A6161-010	VA26A6161-011
		Long Term	Short Term	2026-03-16 12:45	2026-03-16 12:45	2026-03-16 12:35	2026-03-16 12:15	2026-03-16 13:50	2026-03-16 13:40	2026-03-16 13:25
General Parameters										
pH - Field	pH units	7.0 - 8.7	-	8.13	-	8.08	7.54	8.01	8.03	7.54
Specific Conductivity - Field	µS/cm	-	-	24204	-	36757	47037	22694	38638	46998
Temperature - Field	°C	-	-	6.1	-	7.6	9.2	6.2	7.1	9.2
Salinity - Field	ppt	Narrative ²	-	14.55	-	23.04	30.35	13.57	24.31	30.31
Turbidity - Field	NTU	Narrative ²	Narrative ²	1.47	-	1.22	0.97	1.18	1.20	0.97
TSS	mg/L	Narrative ²	Narrative ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	12.17	-	11.63	6.37	11.4	11.54	6.48
Total Hardness	mg/L	-	-	1910	2090	3150	3570	1250	2050	4420
Dissolved Hardness	mg/L	-	-	2080	2260	3070	6080	2250	2710	5580
Anions and Nutrients										
Sulphate	mg/L	-	-	795	807	780	1350	456	833	1720
Chloride	mg/L	-	-	6050	6080	5920	10000	3720	6340	12600
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH ₃)	mg/L	2.9-12 ³	19-78 ³	0.014	0.0152	0.0195	0.0117	0.0093	0.0145	0.0082
Nitrite (N-NO ₂)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO ₃)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.66	1.53	1.44	1.44	1.52	1.73	1.38
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.42	1.6	1.32	1.04	1.46	1.52	1.06
Total Metals										
Aluminum, total (T-Al)	mg/L	-	-	0.0332	0.0332	0.0218	0.0246	0.0526	0.0371	0.0187
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00054	0.00058	0.0008	0.0009	<0.00040	0.00056	0.00113
Barium, total (T-Ba)	mg/L	-	-	0.0096	0.0095	0.0097	0.0105	0.007	0.0085	0.0089
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	1.45	1.43	2.07	2.25	0.96	1.45	2.71
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000035	0.000034	0.000041	0.000054	0.00002	0.000039	0.000063
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000077	0.000082	0.000075	0.000097	0.000074	0.000081	0.000063
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00059	0.00054	0.00052	0.00083	0.0006	0.00054	0.00052
Iron, total (T-Fe)	mg/L	-	-	0.119	0.122	0.092	0.091	0.085	0.097	0.039
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00011
Manganese, total (T-Mn)	mg/L	0.1	-	0.00934	0.00923	0.00772	0.00777	0.00692	0.00782	0.0039
Molybdenum, total (T-Mo)	mg/L	-	-	0.00363	0.00386	0.00511	0.00558	0.00262	0.00385	0.00721
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.000901	0.00102	0.00141	0.00134	0.000583	0.000983	0.00181
Vanadium, total (T-V)	mg/L	0.005	-	0.00081	0.00078	0.00091	0.00111	0.0006	0.00071	0.00112
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.0073	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals										
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000028	0.000031	0.000043	0.00008	0.000047	0.000031	0.000064
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	0.012	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00825	0.00832	0.00666	0.00092	0.00783	0.00709	0.00099
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	2.54	2.58	3.37	6.49	2.65	3.1	6.46
Vanadium, dissolved (D-V)	mg/L	-	-	0.0006	0.00062	0.00073	0.00156	0.00064	0.00073	0.00133
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)										
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)										
Benzene	mg/L	0.59	6.0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.07	1.0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.03	3.0	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	0.07	1.0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:

Results **underlined in bold italics** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table were collected when the site was discharging intermittently for <24 hours, therefore the turbidity and TSS short-term WQGs were evaluated. Background conditions at each depth (0.5 and 2 m below surface and 2 m above the seafloor) were established from reference station WQR2 collected March 16 (Table G-2).

³ The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

**Table G-2:
Summary of Marine Water Quality Results Received at the Time of Reporting**

Parameter	Unit	Lowest Applicable Guideline ¹		Reference Station WQR2	Reference Station WQR2	Reference Station WQR2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				WQR2-0.5	WQR2-2m	WQR2-SF
				VA26A6161-001	VA26A6161-002	VA26A6161-003
				2026-03-16 9:55	2026-03-16 9:40	2026-03-16 9:20
General Parameters						
pH - Field	pH units	7.0 - 8.7	-	8.18	7.9	7.39
Specific Conductivity - Field	µS/cm	-	-	18903	41666	47162
Temperature - Field	°C	-	-	5.6	8.3	9.3
Salinity - Field	ppt	Narrative ²	-	11.11	26.49	30.44
Turbidity - Field	NTU	Narrative ²	Narrative ²	1.2	1.14	0.89
TSS	mg/L	Narrative ²	Narrative ²	<2.0	<2.0	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	12.16	9.06	6.99
Total Hardness	mg/L	-	-	1950	4450	5100
Dissolved Hardness	mg/L	-	-	1640	4320	5180
Anions and Nutrients						
Sulphate	mg/L	-	-	730	1860	2020
Chloride	mg/L	-	-	5550	13600	14800
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0
Ammonia (N-NH ₃)	mg/L	2.9-20 ³	19-135 ³	0.0157	0.0135	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	<0.10	<0.10	<0.10
Nitrate (N-NO ₃)	mg/L	3.7	339	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.55	1.55	1.14
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.97	1.25	1.22
Total Metals						
Aluminum, total (T-Al)	mg/L	-	-	0.0366	0.0091	0.012
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00055	0.00121	0.00135
Barium, total (T-Ba)	mg/L	-	-	0.0095	0.0089	0.0091
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	1.06	2.63	2.97
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000029	0.000063	0.000066
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000082	0.000056	0.00007
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00051	<0.00050	0.00061
Iron, total (T-Fe)	mg/L	-	-	0.148	0.017	0.033
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.0104	0.00259	0.00363
Molybdenum, total (T-Mo)	mg/L	-	-	0.00319	0.00766	0.00815
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00085	0.00194	0.00204
Vanadium, total (T-V)	mg/L	0.005	-	0.00082	0.00115	0.00125
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150
Dissolved Metals						
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000024	0.000055	0.000082
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.01	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00987	0.00145	0.00124
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	2.12	4.97	6.31
Vanadium, dissolved (D-V)	mg/L	-	-	0.0005	0.00101	0.0013
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)						
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)						
Benzene	mg/L	0.59	6.0	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.07	1.0	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.03	3.0	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	0.07	1.0	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050

Notes:

Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.

Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.

² Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table are marine reference stations and represent background conditions, therefore the turbidity and TSS WQGs were not evaluated.

³ The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.

⁴ The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.