



TECHNICAL MEMORANDUM

To: Ian McAllister, Ashleigh Crompton, Mike Champion,
Mark Zan and Ryan Schucroft (Woodfibre LNG) **Date:** 1 May 2026

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

Subject: PE-111578 Weekly Discharge and Compliance Report #111 for April 19 – 25

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 #111) was prepared by Lorax and summarizes WDA monitoring conducted for the period of April 19 – 25. 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 #111 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

Sunny weather conditions were observed during the April 19 – 25 monitoring period, with no precipitation recorded. 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
2026-04-19	0	22.7	8.5	Sunny
2026-04-20	0	23.9	8.8	Sunny
2026-04-21	0	17	9.4	Overcast
2026-04-22	0	18.4	9.6	Sunny
2026-04-23	0	17.1	8.9	Sunny
2026-04-24	0	18.7	6.2	Sunny
2026-04-25	0	19.3	6.2	Sunny

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

From April 19 – 25, the East Sedimentation Pond received water from the M09 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 April 19 – 25 (Appendix B, Table B-4).

Routine operation of the East WWTP continued during the monitoring period (April 19 – 25). 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 (April 19 – 25). Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-4).

From April 19 – 25, the West Sedimentation Pond received water from the Area 4100 Sump 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 on April 19 – 21 and clarified effluent was either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 396 m³ of clarified effluent was intermittently discharged to Howe Sound from station SP-W-OUT on April 20. 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-5).

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, SW-01, SW-02, SW-03, SW-04, SW-07, SP-E-IN, WWTP-E-IN, WWTP-E-OUT, SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T5-OUT, and W2700T6-OUT during the monitoring period (April 19 – 25). Sampling dates and parameters tested are summarized in Table 2.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (April 19 – 25) 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 (April 19 – 25). Daily field measurements for East WWTP influent and effluent stations (WWTP-E-IN and WWTP-E-OUT, respectively) were not collected on April 24 and 25 as the East WWTP was not operational at the time of monitoring. Daily field parameters were not collected at the west catchment effluent compliance station (SP-W-OUT) on April 19 and April 21 – 25 as there was no discharge to Howe Sound from the West Sedimentation Pond on those days. 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 (April 19 – 25).

**Table 2:
Summary of PE-111578 Monitoring Samples Collected April 19 – 25.**

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
April 19, 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 influent monitored at cell 4 of the pond	Field Parameters.	P
	OUT-02	Non-contact water diversion ditch	Field, Physical & General Parameters, Total and Dissolved and Methylmercury.	M, M ₅
April 20, 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	Field & Physical Parameters, Total, Dissolved and Speciated Metals	D, M ₂
	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 SP-W-OUT outfall structure	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	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 (PVC port)	Field & Physical Parameters, Total, Dissolved and Speciated Metals.	D, M ₂
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
	W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M ₂ , W
April 21, 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
	SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
	SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)			
April 22, 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		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SW-01	Lower Reach of Woodfibre Creek (near the mouth)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M ₅
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)			
April 23, 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
April 24, 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 Parameters.	D
April 25, 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 Parameters.	D

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 #111) are listed below in Table 3, with additional field measurements presented in Table B-3 (Appendix B) and Table C-4 (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:

- IDZ-E1, IDZ-E2 and WQR1 collected April 2 (dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected April 3 (dioxins and furans);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected April 6 (dioxins and furans);
- SP-W-IN, SP-W-OUT and 2700GPM-IN collected April 7 (dioxins and furans);
- SW-02, SW-03 and SW-07 collected April 8 (dioxins and furans);
- SW-01 and SW-04 collected April 9 (dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected April 9 (dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected April 10 (dioxins and furans);
- OUT-02 collected April 13 (total mercury and methylmercury);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected April 15 (total mercury and methylmercury);
- SW-02, SW-03 and SW-07 collected April 15 (field and all analytical parameters);
- OUT-01 collected April 15 (total mercury and methylmercury);
- IDZ-W1, IDZ-W2 and WQR2 collected April 15 (field and all analytical parameters);
- SW-01 and SW-04 collected April 16 (total mercury, methylmercury, dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected April 16 (field and all analytical parameters);
- OUT-02 collected April 19 (total mercury and methylmercury);
- SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T5-OUT and W2700T6-OUT collected April 20 (total mercury and methylmercury);
- SW-02, SW-03 and SW-07 collected April 21 (field and all analytical parameters);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected April 22 (total mercury and methylmercury);
- SW-01 and SW-04 collected April 22 (field and all analytical parameters).

**Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #111.**

Sample	Description	Sampling Date	Parameters Reported
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	March 23, 2026	Dioxins and Furans.
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		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	March 27, 2026	Dioxins and Furans.
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		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	March 28, 2026	Dioxins and Furans.
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		
OUT-02	Non-contact water diversion ditch outlet	April 5, 2026	Total Mercury and Methylmercury.
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	April 8, 2026	Total Mercury and Methylmercury.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	April 9, 2026	Total Mercury and Methylmercury.
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
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		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	April 10, 2026	Total Mercury and Methylmercury.
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		
OUT-02	Non-contact water diversion ditch outlet	April 13, 2026	Field, Physical and General Parameters, Total and Dissolved Metals and Methylmercury.

**Table 3 (continued):
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #111.**

Sample	Description	Sampling Date	Parameters Reported
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	April 14, 2026	Total Mercury and Methylmercury.
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure		
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		
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond		
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
OUT-01	Non-contact water diversion ditch outlet	April 16, 2026	Field, Physical and General Parameters, Total and Dissolved Metals.
SW-01	Lower Reach of Woodfibre Creek (near the mouth)		
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)	April 19, 2026	Field, Physical and General Parameters, Total and Dissolved Metals.
OUT-02	Non-contact water diversion ditch outlet	April 20, 2026	Field and Physical Parameters, Total and Dissolved Metals and Hexavalent Chromium.
WWTP-E-OUT	East WWTP at the effluent meter box		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond		
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure		
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, 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 (PVC port)		
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	April 22, 2026	Field, Physical and General Parameters, Total and Dissolved Metals and Hexavalent Chromium.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		

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 April 19 – 25 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT), as well as analytical results for samples collected April 15 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT; as discussed in Report #110), April 20 (station WWTP-E-OUT) and April 22 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT).

Field measurements for the East WWTP effluent samples (WWTP-E-OUT) collected April 19 – 25 and the analytical samples collected April 15, 20 and 22 met MDOs except for dissolved oxygen on April 23 and total copper and total zinc on April 15 (Appendix B, Table B-1 and Table B-3). Metal parameters above MDOs are tracked in Table 6.

East WWTP effluent was directed to the East Sedimentation Pond and there was no discharge from the pond to Howe Sound from April 19 – 25 (Section 1.2; Table B-4 of Appendix B). Therefore,

water quality samples and field measurements were not collected at the SP-E-OUT discharge location.

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 396 m³ of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound from SP-W-OUT on April 20.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected April 19 – 25, as well as analytical samples collected April 20 (stations SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T5-OUT and W2700T6-OUT).

Field measurements collected April 19 – 25 and the analytical samples collected at SP-W-OUT on April 20 met PE-111578 discharge limits and WQGs (Appendix C, Table C-2, Table C-3 and Table C-4).

3.5 Non-Contact Water Diversion Ditch Outlets

Analytical results were available at the time of reporting for the non-contact water diversion ditch outlet samples collected at station OUT-02 on April 13 and April 19, and at station OUT-01 on April 15 (as discussed in Report #110). The analytical results, field parameters, and WQGs are summarized in Appendix D.

Parameter concentrations met WQGs except field pH, total aluminum and dissolved copper in some of the samples. Field pH was below the lower limit of the WQG (pH 6.5) at station OUT-02 on April 19 (pH 6.1). Total aluminum was above the long-term WQG at station OUT-02 on April 13 and 19 (0.550 and 0.133 mg/L, respectively) and at station OUT-01 on April 15 (0.170 mg/L). Dissolved copper was above the long-term WQG at OUT-01 on April 15 (0.00070 mg/L) and was above the short- and long-term WQGs at OUT-02 on April 19 (0.00068 mg/L).

The field pH, total aluminum and dissolved copper concentrations measured at stations OUT-01 and OUT-02 are within the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (pH 5.6 to 7.5, 0.0833 to 0.433 mg/L for total aluminum and 0.00020 to 0.00095 mg/L for dissolved copper) with the exception of total

aluminum at OUT-02 on April 13 (0.550 mg/L). The corresponding dissolved aluminum concentration (0.0931 mg/L) and moderate TSS concentration (6.7 mg/L) indicate that aluminum is predominantly in the particulate-bound form of the metal. Potential sources of total aluminum at OUT-02 are being reviewed. This item is tracked in Table 6.

**Table 4:
Summary of Parameters Exceeding WQGs and Above Baseline Ranges for Non-Contact Water Diversion Ditch Station OUT-02 for Field and Analytical Results Available at the Time of Reporting**

Parameter	Units	WQG ¹	N	N >WQG	Commentary
Total Aluminum	mg/L	0.17	2	1	Total aluminum measured at the non-contact water diversion ditch outlet station OUT-02 on April 13 (0.550 mg/L) was 3.2 times greater than the WQG. The total aluminum concentration was 1.3 times greater than the maximum concentration observed in the pre-construction baseline monitoring program for non-contact water diversion ditch water quality (0.433 mg/L).

N = number of samples.

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

3.6 Freshwater and Estuarine Water Receiving Environment

Analytical results were available at the time of reporting for freshwater samples collected near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on April 16 (as discussed in Report #110). The analytical results, field parameters, and WQGs are summarized in Appendix E.

Parameter concentrations met WQGs except fluoride in East Creek and total aluminum in both Woodfibre and East Creek (Appendix E, Table E-1). Fluoride was above the long-term WQG in the sample collected from East Creek (0.228 mg/L). Total aluminum was above the long-term WQG in samples collected from Woodfibre and East Creek (0.143 and 0.232 mg/L, respectively).

The total aluminum concentrations measured in Woodfibre and East Creek (SW-01 and SW-04, respectively) on April 16 (0.143 and 0.232 mg/L, respectively) were within ranges observed in the pre-construction baseline monitoring program (0.0379 to 0.294 mg/L for Woodfibre Creek and 0.0158 to 0.264 mg/L for East Creek) or within ranges observed at the background stations for Woodfibre and East Creek (0.0428 to 0.250 mg/L for Woodfibre Creek and 0.0299 to 0.411 mg/L for East Creek).

The fluoride concentration measured in East Creek (SW-04) on April 16 (0.228 mg/L) was above the upper range observed in the pre-construction baseline monitoring program (<0.1 mg/L) and above ranges observed at the background station for East Creek (<0.020 to 0.028 mg/L; Table 5). Potential sources of fluoride to East Creek are being reviewed. This item is tracked in Table 6.

**Table 5:
Summary of Parameters Exceeding WQGs and Above Baseline Ranges for East Creek
Station SW-04 for Field and Analytical Results Available at the Time of Reporting**

Parameter	Units	WQG ¹	N	$\frac{N}{>WQG}$	Commentary
Fluoride	mg/L	0.12	1	1	Fluoride measured in East Creek (SW-04) on April 16 (0.228 mg/L) was 1.9 times greater than the WQG. The fluoride concentration was 2.3 times greater than the maximum concentration observed in the pre-construction baseline monitoring program at East Creek (<0.1 mg/L).

N = number of samples.

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

Total mercury and methylmercury analytical results were available at the time of reporting for freshwater and estuarine water samples collected at the Mill Creek estuary, mid-stream and background stations (SW-03, SW-02 and SW-07, respectively) on April 8 as well as near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on April 9 (as discussed in Report #109). Methylmercury concentrations were <0.000020 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-2 (freshwater) and Appendix F, Table F-1 (estuarine water).

3.7 Marine Water Receiving Environment

Methylmercury analytical results were available at the time of reporting for all marine water samples collected April 9 (stations IDZ-W1, IDZ-W2 and WQR2) and April 10 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Report #109. For all samples, methylmercury concentrations ranged from <0.000020 to 0.000085 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix G, Table G-1.

Dioxin and furans results were available at the time of reporting for marine samples collected at 0.5 and 2 m below the water surface and 2 m above the seafloor on March 23 (stations IDZ-W1, IDZ-W2 and WQR2), March 27 (stations IDZ-E1, IDZ-E2 and WQR1) and March 28 (stations IDZ-W1, IDZ-W2 and WQR2), as discussed in Report #107. For all samples, the lower bound PCDD/F TEQ concentrations ranged from 0 to 0.0362 pg/L and the upper bound PCDD/F TEQ concentrations ranged from 1.20 to 3.55 pg/L. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the pre-construction baseline monitoring program (0 to 2.64 pg/L and 0 to 7.06 pg/L, respectively) or within background ranges observed at marine reference stations (0 to 0.941 pg/L and 0.499 to 5.65 pg/L, respectively). Results are tabulated in Appendix G, Table G-2.

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 6). 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 6. Any items flagged for follow-up are carried forward to future reports until they are closed.

**Table 6:
Weekly Report QC Evaluations and Ongoing Items**

QC Procedure	Observation	Investigation/Resolution
Reporting Period (April 19 – 25, Report #111)		
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 #110: Potential Project Influence	Total aluminum at non-contact water diversion ditch outlet station OUT-02 above the WQG and the baseline concentration ranges.	At the non-contact water diversion ditch outlet station OUT-02 on April 13, the total aluminum concentration (0.550 mg/L) was 3.2 times greater than the WQG and 1.3 times greater than the corresponding pre-construction baseline maxima (0.433 mg/L). Potential influences to water quality at the non-contact water diversion ditch outlet station OUT-02 are being reviewed. This item remains open.
Report #111: WWTP Performance Evaluation	Total copper and total zinc above the MDO.	The total copper and total zinc concentrations were 0.00763 and 0.0537 mg/L, respectively, in the sample collected at WWTP-E-OUT on April 15 and were above the MDOs (0.0043 and 0.0133 mg/L, respectively). Total copper and total zinc concentrations met MDOs in the WWTP-E-OUT samples collected April 20 and 22. The WWTP treatment performance for total copper and total zinc will continue to be evaluated through the end of April 2026 to determine if this is an isolated event or a recurring issue that requires additional investigation. This item remains open.
Report #111: Pending Data	Analytical results not reported.	Field records and analytical results for receiving environment samples collected April 21 and 22 as well as total mercury and methylmercury results for non-contact water diversion ditch, contact and treated water samples collected April 19, 20 and 22 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 in the WWTP-E-OUT samples collected February 27, March 5, 10, 18, 24, and April 6, 15, 20 and 22 met the MDO; however, hexavalent chromium was above the MDO on March 31 (0.00235 mg/L). The WWTP treatment performance for hexavalent chromium will continue to be evaluated in April 2026. This item remains open.
Report #107: Pending Data	Analytical results not reported.	Previously pending dioxins and furans results for receiving environment samples collected March 23, 27 and 28 are included in Report #111. This item is closed.
Report #108: Pending Data	Analytical results not reported.	Dioxins and furans results for receiving environment samples collected April 2 and 3 are pending and will be included in future weekly reports when available. This item remains open.
Report #109: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for the non-contact water diversion ditch sample collected April 5 and for receiving environment samples collected April 8, 9 and 10 are included in Report #111. Dioxins and furans results for contact and treated water samples collected April 6 and 7 and for receiving environment samples collected April 8, 9 and 10 are pending and will be included in future weekly reports when available. This item remains open.
Report #110: Potential Project Influence	Total aluminum and fluoride at East Creek above WQGs and the baseline concentration ranges.	This item was first noted in Report #110. At the East Creek station (SW-04) on April 9, total aluminum and fluoride concentrations (0.621 and 0.294 mg/L) were 3.5 and 2.5 times greater than their WQGs, and 2.4 and 2.9 times greater than the corresponding pre-construction baseline maxima (0.264 and <0.1 mg/L), respectively. On April 16, the fluoride concentration at SW-04 was 1.9 times greater than the WQG and 2.3 times greater than the pre-construction baseline maxima (<0.1 mg/L). Potential influences to East Creek water quality at station SW-04 are being reviewed. This item remains open.
Report #110: Pending Data	Analytical results not reported.	Previously pending field records and analytical results for non-contact water diversion ditch samples collected April 13 and 15 and analytical results for contact and treated water samples collected April 15 are included in Report #111. Field records and analytical results for receiving environment samples collected April 15 and 16 as well as total mercury and methylmercury results for non-contact water diversion ditch samples collected April 13 and 15 and for contact and treated water samples collected April 14 and 15 are pending and will be included in future weekly reports when available. This item remains open.
Report #110: Data QC	Data QC	Raised detection limits were reported for all total metals for the Mill Creek Estuary (station SW-03) sample collected April 8 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 achieved lower detection limits for total copper and total zinc and the results (0.00082 and <0.0030 mg/L, respectively) were below the WQGs. This item is closed.

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

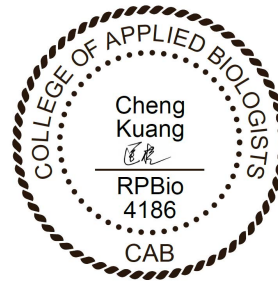
This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and prime contractor McDermott International and their sub-contractors. The records reviewed and analyzed by Lorax include ALS Environmental 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***



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:	May 01, 2026
DRAWN BY:	DM
REVIEWED:	PM
VERSION:	1

Coordinate System:	NAD 1983 UTM Zone 10N
Projection:	Transverse Mercator
Datum:	North American 1983
Units:	Metre
Scale:	1:6,000

CLIENT:

PROJECT:

Woodfibre LNG Project Construction Phase

TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (April 25, 2026)

PROJECT #: A825-1

FIGURE: 1

P:\202506\Woodfibre\Drafting Figures\APRW\WLNGLNG Weekly Report Figure\WLNGLNG Weekly Report.aprx Figure 1 - Monitoring and Compliance Locations



Figure 2: East Catchment contact water management facilities (April 19 – 25).

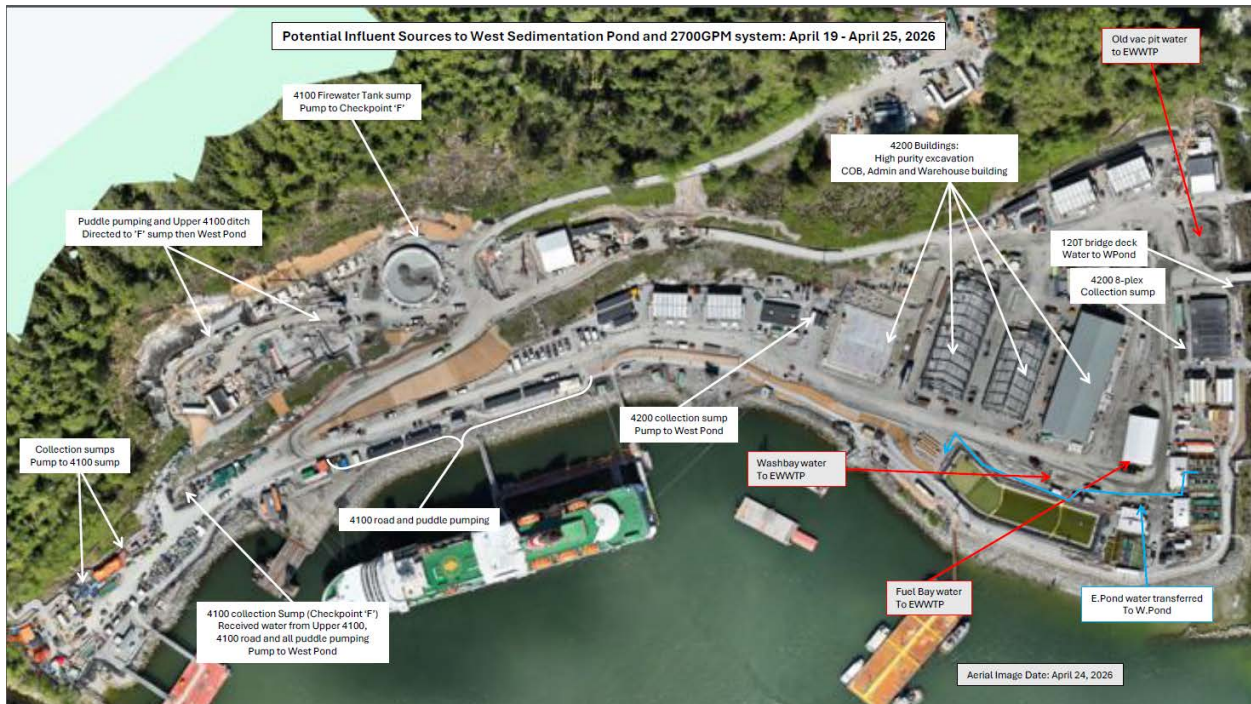


Figure 3: West Catchment contact water management facilities (April 19 – 25).



Figure 4: Aerial view of the East Sedimentation Pond (April 24, 2026). The East WWTP is located on the left side of the pond.

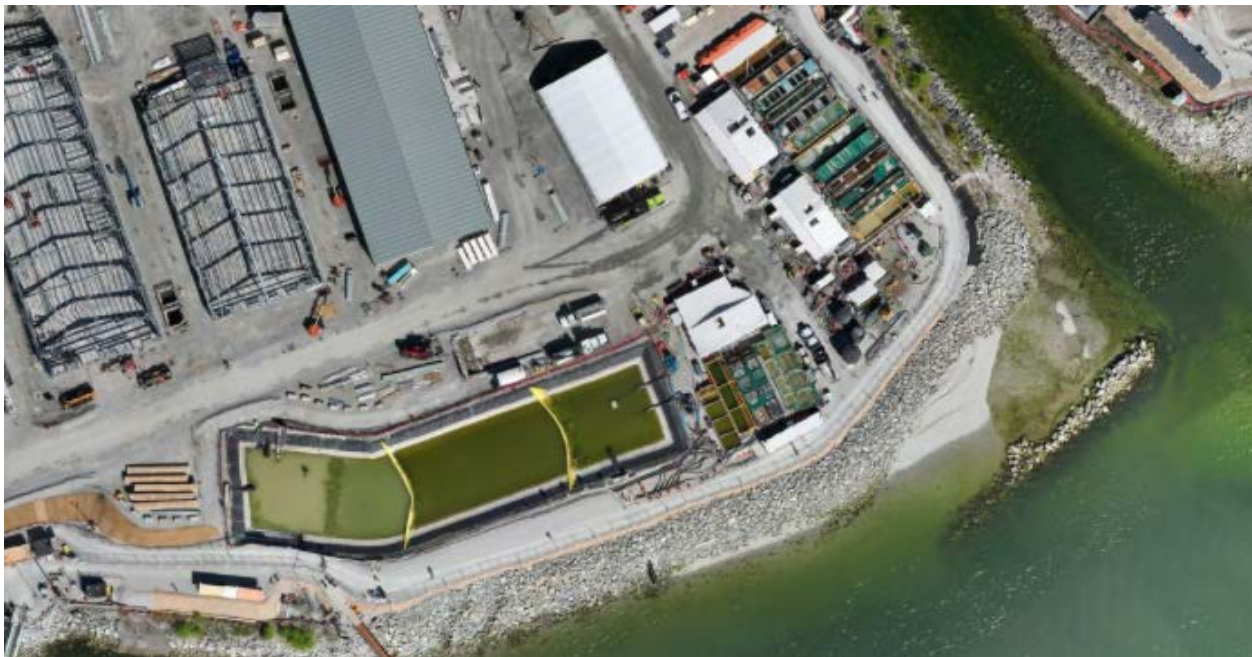


Figure 5: Aerial view of the West Sedimentation Pond (April 24, 2026).

***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 WWTP-E-IN	Station WWTP-E-OUT	Station WWTP-E-OUT	Station WWTP-E-OUT
					Influent	Influent	Effluent	Effluent	Effluent
					WWTP-E-IN	WWTP-E-IN	WWTP-E-OUT	WWTP-E-OUT	WWTP-E-OUT
					VA26A9123-002	VA26A9699-002	VA26A9123-003	VA26A9392-001	VA26A9699-003
		Long Term	Short Term		2026-04-15 10:27	2026-04-22 9:47	2026-04-15 16:50	2026-04-20 12:10	2026-04-22 15:47
General Parameters									
pH - Field	pH units	- ²	-	5.5 - 9.0	7.3	7.56	7.0	6.47	6.56
Specific Conductivity - Field	µS/cm	-	-	-	857	884	1772	946	1071
Temperature - Field	°C	-	-	-	10.3	17.3	10.9	15.3	16.6
Salinity - Field	ppt	-	-	-	0.42	0.44	0.9	0.47	0.53
Turbidity - Field	NTU	-	-	-	270.13	7.57	3.66	2.62	4.05
TSS	mg/L	-	-	25 or 75 ⁵	327	5.1	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.94	13.57	11.98	9.59	10.53
Total Hardness	mg/L	-	-	-	135	31.7	17.0	12.7	14.0
Dissolved Hardness	mg/L	-	-	-	70.5	30.3	16.4	11.3	13.3
Anions and Nutrients									
Sulphate	mg/L	-	-	-	178	204	640	-	333
Chloride	mg/L	-	-	-	5.53	5.8	<5.00	-	5.89
Fluoride	mg/L	-	1.5	-	0.083	<0.100	<0.200	-	<0.100
Ammonia (N-NH ₃)	mg/L	5.3-20 ³	35-131 ³	-	0.0331	0.0131	0.203	-	0.0787
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0101	0.0335	0.013	-	0.0369
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.159	0.838	0.0985	-	0.762
Total Organic Carbon (TOC)	mg/L	-	-	-	4.72	4.2	2.71	-	3.85
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.32	3.52	2.45	-	3.5
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	-	24.5	0.561	0.162	0.234	0.205
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00122	0.00131	0.00093	0.00125	0.00131
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00605	0.00272	0.00112	0.00201	0.00233
Barium, total (T-Ba)	mg/L	-	-	-	0.173	0.0101	0.00313	0.00214	0.00213
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.00038	<0.000020	<0.000040	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.059	0.05	0.032	0.045	0.041
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.000256	<0.0000150	0.000115	<0.0000200	<0.0000200
Chromium, total (T-Cr)	mg/L	-	-	-	0.00803	0.00186	<0.00100	0.00151	0.00196
Cobalt, total (T-Co)	mg/L	-	-	-	0.00665	0.00016	<0.00020	0.00012	0.00011
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.0198	0.00224	0.00763	0.00195	0.00269
Iron, total (T-Fe)	mg/L	-	-	-	18.7	0.216	0.066	0.139	0.126
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.0117	0.000221	0.000369	0.000191	0.000262
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.792	0.0165	0.00806	0.0129	0.0124
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0445	0.0492	0.0699	0.0487	0.0558
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00447	<0.00050	<0.00100	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000275	0.000229	0.000413	0.00023	0.000261
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000045	<0.000010	<0.000020	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000061	0.00001	<0.000020	0.000015	0.000019
Uranium, total (T-U)	mg/L	-	-	-	0.0101	0.0116	0.00407	0.00592	0.00808
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.0324	0.0034	0.00193	0.00263	0.00296
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.167	0.0077	0.0537	0.0051	0.0061
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00152	0.00135	0.00062	0.00107	0.00125
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000200	<0.0000150	<0.0000200	<0.0000150
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00144	0.00178	0.00116	0.00194	0.00173
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	0.019	<0.020	0.031	0.022
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000100	0.000085	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.079	0.00595	0.00483	0.00677	0.0056
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00100	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0896	0.0742	0.0956	0.0502	0.0547
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00303	0.00227	0.00222	0.00218	0.00238
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0024	0.0024	<0.0020	0.0042	0.0031
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 (April 19 – 25).

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	Station SP-E-IN
					Influent	Influent
		SP-E-IN	SP-E-IN			
		VA26A9123-001 2026-04-15 10:07	VA26A9699-001 2026-04-22 9:37			
General Parameters						
pH - Field	pH units	- ²	-	5.5 - 9.0	6.9	7.05
Specific Conductivity - Field	µS/cm	-	-	-	945	949
Temperature - Field	°C	-	-	-	12.1	16
Salinity - Field	ppt	-	-	-	0.47	0.47
Turbidity - Field	NTU	-	-	-	174.15	6.4
TSS	mg/L	-	-	25 or 75 ⁵	145	69.9
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.83	11.13
Total Hardness	mg/L	-	-	-	87.4	22
Dissolved Hardness	mg/L	-	-	-	50.9	20.2
Anions and Nutrients						
Sulphate	mg/L	-	-	-	319	213
Chloride	mg/L	-	-	-	6.16	6.04
Fluoride	mg/L	-	1.5	-	<0.100	<0.100
Ammonia (N-NH ₃)	mg/L	14-20 ³	92-131 ³	-	0.125	0.0298
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0182	0.0368
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.231	0.907
Total Organic Carbon (TOC)	mg/L	-	-	-	5.3	3.89
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.12	3.52
Total Metals						
Aluminum, total (T-Al)	mg/L	-	-	-	12.3	0.43
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.0018	0.00134
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00997	0.00242
Barium, total (T-Ba)	mg/L	-	-	-	0.104	0.0067
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000172	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.079	0.047
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.000155	<0.0000250
Chromium, total (T-Cr)	mg/L	-	-	-	0.00624	0.00168
Cobalt, total (T-Co)	mg/L	-	-	-	0.00372	0.00016
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.0117	0.00201
Iron, total (T-Fe)	mg/L	-	-	-	10.5	0.207
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.0058	0.000208
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.414	0.0161
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.059	0.0507
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00243	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000358	0.000228
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000019	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000043	0.000014
Uranium, total (T-U)	mg/L	-	-	-	0.0101	0.0102
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.0195	0.00309
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.454	0.0055
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00209	0.0012
Dissolved Metals						
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000350	<0.0000200
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00196	0.00152
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	0.020
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0258	0.00671
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.137	0.0583
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00246	0.00242
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0717	0.0018
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 (April 19 – 25).

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 Field Measurements Collected During the Monitoring Period (April 19 – 25).**

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	2026-04-19 14:02	14.8	12.53	0.41	22.52	19.8	7.51	833	No
SP-E-IN	Influent	2026-04-20 9:58	14.9	11.83	0.42	7.63	8.7	7.89	850	No
SP-E-IN	Influent	2026-04-21 11:24	15.9	11.22	0.47	5.81	7.3	7.89	939	No
SP-E-IN	Influent	2026-04-22 9:37	16.0	11.13	0.47	6.40	7.8	7.05	949	No
SP-E-IN	Influent	2026-04-23 9:43	16.1	11.44	0.51	5.69	7.2	7.56	1030	No
SP-E-IN	Influent	2026-04-24 12:28	19.9	10.84	0.4	45.71	37.1	7.63	822	No
SP-E-IN	Influent	2026-04-25 10:26	16.3	11.64	0.4	23.39	20.4	7.51	807	No
WWTP-E-IN	Influent	2026-04-19 14:08	15.6	13.7	0.39	11.09	11.3	7.80	785	No
WWTP-E-IN	Influent	2026-04-20 9:51	14.9	13.92	0.4	9.47	10.1	7.83	804	No
WWTP-E-IN	Influent	2026-04-21 11:31	16.3	14.15	0.43	7.89	8.9	7.40	862	No
WWTP-E-IN	Influent	2026-04-22 9:47	17.3	13.57	0.44	7.57	8.6	7.56	884	No
WWTP-E-IN	Influent	2026-04-23 9:31	15.5	11.5	0.45	6.70	8.0	7.76	908	No
Effluent⁵										
WWTP-E-OUT	Effluent	2026-04-19 14:13	14.1	11.30	0.44	5.98	7.5	6.62	890	No
WWTP-E-OUT	Effluent	2026-04-20 9:49	13.9	11.11	0.47	4.06	6.0	6.57	940	No
WWTP-E-OUT	Effluent	2026-04-20 12:10	15.3	9.59	0.47	2.62	5.0	6.47	946	No
WWTP-E-OUT	Effluent	2026-04-21 11:29	15.8	9.49	0.49	4.41	6.3	6.71	978	No
WWTP-E-OUT	Effluent	2026-04-22 10:04	16.4	8.51	0.48	4.86	6.6	6.73	970	No
WWTP-E-OUT	Effluent	2026-04-22 15:47	16.6	10.53	0.53	4.05	6.0	6.56	1071	No
WWTP-E-OUT	Effluent	2026-04-23 11:25	16.5	<u>7.95</u>	0.59	4.40	6.3	6.42	1171	No

Notes:

The east catchment did not discharge to Howe Sound during the monitoring period (April 19 – 25). 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 for station WWTP-E-IN were not collected on April 24 and 25 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 (April 19 – 25), therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field measurements for station WWTP-E-OUT were not collected on April 24 and 25 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-4:
East Catchment Daily Discharge Volumes for the Monitoring Period (April 19 – 25).**

	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				
2026-04-19	0	0	219	0
2026-04-20	0	0	318	0
2026-04-21	0	0	178	0
2026-04-22	0	0	211	0
2026-04-23	0	0	194	0
2026-04-24	0	0	64	0
2026-04-25	0	0	0.08	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
					VA26A9404-002	VA26A9404-003	VA26A9404-004
		Long Term	Short Term		2026-04-20 11:20	2026-04-20 11:03	2026-04-20 11:04
General Parameters							
pH - Field	pH units	- ²	-	5.5 - 9.0	8.05	7.98	8.00
Specific Conductivity - Field	µS/cm	-	-	-	519	520	519
Temperature - Field	°C	-	-	-	15.2	15.6	15.0
Salinity - Field	ppt	-	-	-	0.25	0.25	0.25
Turbidity - Field	NTU	-	-	-	12.01	4.11	6.08
TSS	mg/L	-	-	25 or 75 ⁵	10.4	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.42	10.3	10.74
Total Hardness	mg/L	-	-	-	45	49.1	47.8
Dissolved Hardness	mg/L	-	-	-	48.1	46.3	46.3
Anions and Nutrients							
Sulphate	mg/L	-	-	-	136	136	136
Chloride	mg/L	-	-	-	3.75	3.77	3.78
Fluoride	mg/L	-	1.5	-	0.079	0.079	0.08
Ammonia (N-NH ₃)	mg/L	1.4-2.2 ³	9.4-15 ³	-	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0233	0.0226	0.0223
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.217	0.225	0.224
Total Organic Carbon (TOC)	mg/L	-	-	-	3.77	3.89	3.52
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	3.43	3.33	3.23
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.694	0.218	0.203
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00065	0.00063	0.00062
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00114	0.00101	0.00098
Barium, total (T-Ba)	mg/L	-	-	-	0.00671	0.0036	0.00279
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.013	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000150	<0.0000100	<0.0000150
Chromium, total (T-Cr)	mg/L	-	-	-	0.00063	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00019	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00449	0.00122	0.00119
Iron, total (T-Fe)	mg/L	-	-	-	0.368	0.058	0.05
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.000451	0.000121	0.000132
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0224	0.00747	0.00787
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.027	0.0264	0.0265
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000116	0.000131	0.000126
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000017	0.000015	0.000019
Uranium, total (T-U)	mg/L	-	-	-	0.00508	0.00479	0.00486
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00166	0.00113	0.00113
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0049	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000100	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00113	0.00109	0.00115
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.012	0.011	0.011
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	0.000052	0.000093
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00773	0.00455	0.00518
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0712	0.0721	0.0698
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00104	0.00094	0.00096
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0015	0.0013	0.0012
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 during the monitoring period (April 19 – 25) on April 20.

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-PVC-Port	SP-W-OUT- Outfall		
		VA26A9404-001 2026-04-20 11:39	VA26A9404-005 2026-04-20 9:47		VA26A9404-006 2026-04-20 10:12	VA26A9404-007 2026-04-20 10:29		
		Long Term	Short Term					
General Parameters								
pH - Field	pH units	- ²	-	5.5 - 9.0	8.47	7.36	7.97	7.98
Specific Conductivity - Field	µS/cm	-	-	-	494	520	523	529
Temperature - Field	°C	-	-	-	17.0	14.3	14.7	15.0
Salinity - Field	ppt	-	-	-	0.24	0.25	0.25	0.26
Turbidity - Field	NTU	-	-	-	14.93	5.08	5.77	3.21
TSS	mg/L	-	-	25 or 75 ⁵	7.6	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.72	10.79	10.98	10.61
Total Hardness	mg/L	-	-	-	45.8	48.3	47.3	49.6
Dissolved Hardness	mg/L	-	-	-	48.4	48.1	46.5	47.1
Anions and Nutrients								
Sulphate	mg/L	-	-	-	130	136	-	134
Chloride	mg/L	-	-	-	3.67	3.8	-	4.51
Fluoride	mg/L	-	1.5	-	0.081	0.08	-	0.081
Ammonia (N-NH ₃)	mg/L	0.56-12 ³	3.7-83 ³	-	<0.0050	<0.0050	-	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0212	0.0223	-	0.021
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.204	0.228	-	0.226
Total Organic Carbon (TOC)	mg/L	-	-	-	3.49	3.45	-	3.38
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	3.23	3.35	-	3.44
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	0.723	0.21	0.206	0.206
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00064	0.00062	0.00063	0.00063
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00113	0.001	0.00098	0.00097
Barium, total (T-Ba)	mg/L	-	-	-	0.00666	0.00343	0.00344	0.00336
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.012	0.01	<0.010	0.01
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000150	<0.0000100	<0.0000100	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	0.00062	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.0002	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.0014	0.00114	0.00095	0.00095
Iron, total (T-Fe)	mg/L	-	-	-	0.377	0.057	0.058	0.053
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.000341	0.000116	0.000096	0.000089
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0217	0.00793	0.00783	0.00775
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0269	0.0263	0.0264	0.027
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000131	0.000116	0.000138	0.000145
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.00002	0.000016	0.000018	0.000019
Uranium, total (T-U)	mg/L	-	-	-	0.005	0.00485	0.00487	0.00503
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00167	0.00115	0.00119	0.0011
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0033	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000100	<0.0000100	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00084	0.00096	0.00084	0.00085
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.012	0.014	0.011	0.011
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00575	0.00574	0.00461	0.00523
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0694	0.0732	0.0691	0.0716
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00107	0.00097	0.0009	0.00099
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	0.0011	<0.0010	<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 during the monitoring period (April 19 – 25) on April 20.

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	0.0041-0.016 ^{3,4}
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26A8758-001	2026-04-14	<u>0.000317</u>	<u>0.0812</u>
2700GPM-IN	Influent	W2700-IN	VA26A8758-002	2026-04-14	0.000080	0.00390
Effluent						
SP-W-OUT	Effluent	SP-W-OUT-Port	VA26A8758-008	2026-04-14	0.000036	0.00148
SP-W-OUT	Effluent	SP-W-OUT-Outfall	VA26A8758-005	2026-04-14	0.000032	0.00189
W2700T1-OUT	Effluent	W2700T1-OUT	VA26A8758-003	2026-04-14	0.000031	0.00162
W2700T2-OUT	Effluent	W2700T2-OUT	VA26A8758-004	2026-04-14	0.000027	0.00124

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 Field Measurements Collected During the Monitoring Period (April 19 – 25).**

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 Guideline ¹	-	≥8	-	-	- ²	- ²	-	-		
Station ID	Water Type	Date								
Influent ⁴										
SP-W-IN	Influent	2026-04-19 10:55	13	10.71	0.23	9.38	10.0	8.05	484	No
SP-W-IN	Influent	2026-04-20 11:39	17	11.72	0.24	14.93	14.1	8.47	494	No
SP-W-IN	Influent	2026-04-21 11:12	16.3	10.66	0.25	4.43	6.3	7.68	505	No
SP-W-IN	Influent	2026-04-22 10:15	16.3	12.1	0.22	7.18	8.4	7.57	448	No
SP-W-IN	Influent	2026-04-23 10:40	16.8	13.53	0.19	21.72	19.2	8.94	401	No
SP-W-IN	Influent	2026-04-24 11:58	17.1	14.95	0.18	61.59	48.9	9.23	373	No
SP-W-IN	Influent	2026-04-24 12:00	18.4	11.82	0.18	63.62	50.4	9.15	376	No
SP-W-IN	Influent	2026-04-25 13:34	19.9	14.11	0.18	32.28	27.1	9.36	374	No
2700GPM-IN	Influent	2026-04-19 10:44	12.6	10.86	0.25	13.38	13.0	7.95	517	No
2700GPM-IN	Influent	2026-04-20 11:20	15.2	10.42	0.25	12.01	12.0	8.05	519	No
Effluent ⁵										
SP-W-OUT	Effluent	2026-04-20 9:47	14.3	10.79	0.25	5.08	6.8	7.36	520	No
SP-W-OUT	Effluent	2026-04-20 10:12	14.7	10.98	0.25	5.77	7.3	7.97	523	No
SP-W-OUT	Effluent	2026-04-20 10:29	15.0	10.61	0.26	3.21	5.4	7.98	529	No

Notes:

West catchment influents for April 19 – 25 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 5 and 6 was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) during the monitoring period (April 19 – 25) on April 20. Daily field parameters were not collected from station SP-W-OUT on April 19 and April 21 – 25 as there was no discharge to Howe Sound on those days.

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 C-5:
West Catchment Daily Discharge Volumes for the Monitoring Period (April 19 – 25).**

	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					
2026-04-19	0	908	0	0	0
2026-04-20	0	1,280	0	0	396
2026-04-21	0	278	0	0	0
2026-04-22	0	0	0	0	0
2026-04-23	0	0	0	0	0
2026-04-24	0	0	0	0	0
2026-04-25	0	0	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:
Summary of Non-Contact Water Diversion Ditch Outlet Quality Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ^{1,2}		Station OUT-02	Station OUT-01	Station OUT-02
				Non-contact Water	Non-contact Water	Non-contact Water
				Diversion Ditch Outlet	Diversion Ditch Outlet	Diversion Ditch Outlet
				OUT-02	OUT-01	OUT-02
				VA26A8768-001	VA26A9121-001	VA26A9408-001
				2026-04-13 11:47	2026-04-15 13:35	2026-04-19 9:37
General Parameters						
pH - Field	pH units	6.5 - 9.0	-	7.7	6.8	<u>6.1</u>
Specific Conductivity - Field	µS/cm	-	-	26	15	16
Temperature - Field	°C	-	-	9.2	8	8.4
Salinity - Field	ppt	-	-	0.01	0.01	0.01
Turbidity - Field	NTU	-	-	0.73	1.55	1.73
TSS	mg/L	-	-	6.7	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	>=8	>=5	10.75	11.6	11.47
Total Hardness	mg/L	-	-	6.33	5.11	5.03
Dissolved Hardness	mg/L	-	-	5.59	5.3	5.91
Anions and Nutrients						
Sulphate ²	mg/L	128	-	1.69	1.36	1.85
Chloride	mg/L	120	600	<0.50	<0.50	<0.50
Fluoride ²	mg/L	-	0.400	<0.020	<0.020	<0.020
Ammonia (N-NH ₃) ²	mg/L	1.54-48.3	9.73-26.0	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂) ²	mg/L	0.0200	0.1	<0.0010	<0.0010	<0.0010
Nitrate (N-NO ₃)	mg/L	3	32.8	0.0644	0.0954	0.101
Total Organic Carbon (TOC)	mg/L	-	-	2.91	4.44	3.84
Total Inorganic Carbon (DOC)	mg/L	-	-	2.53	4.06	3.71
Total Metals						
Aluminum, total (T-Al) ²	mg/L	0.0234-0.502	-	<u>0.550</u>	<u>0.170</u>	<u>0.133</u>
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010	<0.00010	<0.00010
Arsenic, total (T-As)	mg/L	0.005	-	0.00015	0.0001	<0.00010
Barium, total (T-Ba)	mg/L	1	-	0.00535	0.00256	0.00294
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	29	<0.010	<0.010	<0.010
Cadmium, total (T-Cd) ²	mg/L	0.0000364	0.000106-0.000127	0.000011	0.0000053	<0.0000050
Chromium, total (T-Cr) ³	mg/L	0.001	-	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co) ²	mg/L	0.000389-0.000778	-	0.00035	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	-	-	0.00099	0.00069	0.00051
Iron, total (T-Fe)	mg/L	0.3	1	0.205	0.026	0.024
Lead, total (T-Pb)	mg/L	-	-	0.000515	0.000158	0.000058
Manganese, total (T-Mn) ²	mg/L	-	-	0.0197	0.00136	0.00112
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.00111	0.000418	0.000676
Nickel, total (T-Ni) ²	mg/L	0.0250	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050	<0.000050	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000471	0.000038	0.000137
Vanadium, total (T-V)	mg/L	0.12	-	0.00054	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.001	-	-	-	-
Dissolved Metals						
Cadmium, dissolved (D-Cd) ²	mg/L	0.000023-0.000028	0.0000380	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu) ²	mg/L	0.000200-0.00150	0.000310-0.00402	0.00062	<u>0.00070</u>	<u>0.00068</u>
Iron, dissolved (D-Fe)	mg/L	-	0.35	<0.010	0.015	0.013
Lead, dissolved (D-Pb) ²	mg/L	0.00185-0.00441	-	<0.000050	0.000148	<0.000050
Manganese, dissolved (D-Mn) ²	mg/L	0.145-0.350	1.97	0.00036	0.00111	0.00103
Nickel, dissolved (D-Ni) ²	mg/L	0.000700-0.00100	0.0119-0.0134	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.00742	0.00783	0.00763
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn) ²	mg/L	0.00275-0.0170	0.00941-0.0211	0.0011	0.0017	0.0017
Polycyclic Aromatic Hydrocarbons (PAHs)						
Acenaphthene	mg/L	0.0058	-	-	-	-
Acridine	mg/L	0.003	-	-	-	-
Anthracene	mg/L	0.000012	-	-	-	-
Benz(a)anthracene	mg/L	0.000018	-	-	-	-
Benzo(a)pyrene	mg/L	0.000001	-	-	-	-
Chrysene	mg/L	-	-	-	-	-
Fluoranthene	mg/L	0.000004	-	-	-	-
Fluorene	mg/L	0.003	-	-	-	-
1-methylnaphthalene	mg/L	-	-	-	-	-
2-methylnaphthalene	mg/L	-	-	-	-	-
Naphthalene	mg/L	0.001	0.001	-	-	-
Phenanthrene	mg/L	0.0003	-	-	-	-
Pyrene	mg/L	0.000002	-	-	-	-
Quinoline	mg/L	0.0034	-	-	-	-
Volatile Organic Compounds (VOCs)						
Benzene	mg/L	0.04	-	-	-	-
Ethylbenzene	mg/L	0.09	-	-	-	-
Methyl-tert-butyl-ether	mg/L	10	3.4	-	-	-
Styrene	mg/L	0.072	-	-	-	-
Toluene	mg/L	0.0005	-	-	-	-
Total Xylenes	mg/L	0.03	-	-	-	-
Chlorobenzene	mg/L	0.0013	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.0007	-	-	-	-

Notes:

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 freshwater aquatic life.

Shaded results exceed the applicable short-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 BC WQG or CWQG indicated to be variable are calculated from sample-specific measurements for temperature, field pH, total hardness and dissolved organic carbon (DOC) content.³ The approved BC WQG for hexavalent chromium [Cr(VI)] is 0.001 mg/L and 0.0089 mg/L for trivalent chromium [Cr(III)]. The more conservative criteria for Cr(VI) is applied to total chromium results.

The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.

**Table D-2:
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	0.0095 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
OUT-02	Non-Contact Water Diversion Ditch Outlet	OUT-02	VA26A8067-001	2026-04-05	<0.000020	0.00189

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:
Summary of Freshwater Water Quality Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ^{1,2}		Station SW-01	Station SW-04
				Woodfibre Creek	East Creek
				Lower Reach	Lower Reach
				SW-01	SW-04
				VA26A9115-001	VA26A9115-002
		Long Term	Short Term	2026-04-16 9:14	2026-04-16 9:49
General Parameters					
pH - Field	pH units	6.5 - 9.0	-	7.5	7.6
Specific Conductivity - Field	µS/cm	-	-	8	122
Temperature - Field	°C	-	-	3.8	10
Salinity - Field	ppt	-	-	0	0.06
Turbidity - Field	NTU	-	-	0.99	4.48
TSS	mg/L	-	-	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	>=8	>=5	13.01	11.56
Total Hardness	mg/L	-	-	2.37	49.2
Dissolved Hardness	mg/L	-	-	2.41	41.9
Anions and Nutrients					
Sulphate ²	mg/L	128-218	-	0.43	9.34
Chloride	mg/L	120	600	<0.50	7.39
Fluoride ²	mg/L	0.12	0.400-1.05	<0.020	<u>0.228</u>
Ammonia (N-NH ₃) ²	mg/L	1.04-15.3	11.2-26.1	<0.0050	<0.0050
Nitrite (N-NO ₂) ²	mg/L	0.0200-0.0800	0.06-0.24	<0.0010	0.0067
Nitrate (N-NO ₃)	mg/L	3	32.8	0.0324	0.311
Total Organic Carbon (TOC)	mg/L	-	-	3.14	1.53
Total Inorganic Carbon (DOC)	mg/L	-	-	2.91	1.5
Total Metals					
Aluminum, total (T-Al) ²	mg/L	0.0316-0.140	-	<u>0.143</u>	<u>0.232</u>
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010	0.00018
Arsenic, total (T-As)	mg/L	0.005	-	<0.00010	0.00061
Barium, total (T-Ba)	mg/L	1	-	0.00168	0.00388
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	29	<0.010	<0.010
Cadmium, total (T-Cd) ²	mg/L	0.000036-0.000088	0.000106-0.00102	<0.000050	<0.0000100
Chromium, total (T-Cr) ³	mg/L	0.001	-	<0.00050	<0.00050
Cobalt, total (T-Co) ²	mg/L	0.000389-0.000778	-	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	-	-	<0.00050	0.00054
Iron, total (T-Fe)	mg/L	0.3	1	0.035	0.082
Lead, total (T-Pb)	mg/L	-	-	0.000059	<0.000050
Manganese, total (T-Mn) ²	mg/L	-	-	0.00082	0.0111
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.00021	0.0217
Nickel, total (T-Ni) ²	mg/L	0.0250	-	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000497	0.000398
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.001	-	<0.00050	<0.00050
Dissolved Metals					
Cadmium, dissolved (D-Cd) ²	mg/L	0.000018-0.00013	0.000038-0.00028	<0.000050	<0.0000100
Copper, dissolved (D-Cu) ²	mg/L	0.000200-0.00150	0.000586-0.00399	0.00037	0.00037
Iron, dissolved (D-Fe)	mg/L	-	0.35	0.025	<0.010
Lead, dissolved (D-Pb) ²	mg/L	0.00137-0.00429	-	<0.000050	<0.000050
Manganese, dissolved (D-Mn) ²	mg/L	0.165-0.380	1.97-3.57	0.00097	0.00452
Nickel, dissolved (D-Ni) ²	mg/L	0.000600-0.00110	0.00960-0.0127	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.00327	0.0581
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050
Zinc, dissolved (D-Zn) ²	mg/L	0.00342-0.0120	0.00843-0.0479	0.0016	0.0014
Polycyclic Aromatic Hydrocarbons (PAHs)					
Acenaphthene	mg/L	0.0058	-	<0.000010	<0.000010
Acridine	mg/L	0.003	-	<0.000010	<0.000010
Anthracene	mg/L	0.000012	-	<0.000010	<0.000010
Benz(a)anthracene	mg/L	0.000018	-	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.000001	-	<0.0000050	<0.0000050
Chrysene	mg/L	-	-	<0.000010	<0.000010
Fluoranthene	mg/L	0.000004	-	<0.000010	<0.000010
Fluorene	mg/L	0.003	-	<0.000010	<0.000010
1-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010
2-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010
Naphthalene	mg/L	0.001	0.001	<0.000050	<0.000050
Phenanthrene	mg/L	0.0003	-	<0.000020	<0.000020
Pyrene	mg/L	0.00002	-	<0.000010	<0.000010
Quinoline	mg/L	0.0034	-	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)					
Benzene	mg/L	0.04	-	<0.00050	<0.00050
Ethylbenzene	mg/L	0.09	-	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	10	3.4	<0.00050	<0.00050
Styrene	mg/L	0.072	-	<0.00050	<0.00050
Toluene	mg/L	0.0005	-	<0.00040	<0.00040
Total Xylenes	mg/L	0.03	-	<0.00050	<0.00050
Chlorobenzene	mg/L	-	-	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	-	-	<0.00050	<0.00050

Notes:

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 freshwater aquatic life.

Shaded results exceed the applicable short-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 BC WQG or CWQG indicated to be variable are calculated from sample-specific measurements for temperature, field pH, total hardness and dissolved organic carbon (DOC) content.³ The approved BC WQG for hexavalent chromium [Cr(VI)] is 0.001 mg/L and 0.0089 mg/L for trivalent chromium [Cr(III)]. The more conservative criteria for Cr(VI) is applied to total chromium results. The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.

**Table E-2:
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	0.0025-0.0083 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA26A8316-001	2026-04-08	<0.000020	0.00075
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA26A8316-003	2026-04-08	<0.000020	0.00054
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	SW-01	VA26A8439-001	2026-04-09	<0.000020	0.00165
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)	SW-04	VA26A8439-002	2026-04-09	<0.000020	<0.00050

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 F:
Estuarine Water Receiving Environment 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	0.0036 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-03	Mill Creek Estuary	SW-03	VA26A8316-002	2026-04-08	<0.000020	0.00072

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 G:
Marine Water Receiving Environment Monitoring
Results***

**Table G-1:
Marine 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	0.0059-0.019 ^{3,4}
Station	Position in Water Column	Sample ID	Lab ID	Sampling Date		
Station IDZ-E1						
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA26A8583-001	2026-04-10	<0.000020	<0.0050
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A8583-002	2026-04-10	<0.000020	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A8583-003	2026-04-10	<0.000020	<0.0050
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A8583-004	2026-04-10	<0.000020	<0.0050
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A8583-005	2026-04-10	0.000026	<0.0050
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A8583-006	2026-04-10	0.000022	<0.0050
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A8436-001	2026-04-09	<0.000020	<0.0050
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A8436-002	2026-04-09	0.000085	<0.0050
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A8436-003	2026-04-09	0.000029	<0.0050
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A8436-004	2026-04-09	<0.000020	<0.0050
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A8436-005	2026-04-09	<0.000020	<0.0050
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A8436-006	2026-04-09	<0.000020	<0.0050
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A8583-007	2026-04-10	<0.000020	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA26A8583-008	2026-04-10	<0.000020	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA26A8583-009	2026-04-10	0.000038	<0.0050
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A8436-007	2026-04-09	<0.000020	<0.0050
WQR2	2 m Below Surface	WQR2-2m	VA26A8436-008	2026-04-09	0.000026	<0.0050
WQR2	2 m Above Seafloor	WQR2-SF	VA26A8436-009	2026-04-09	<0.000020	<0.0050

Notes:

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

**Table G-2:
Marine 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	Position in Water Column	Sample ID	Lab ID	Sampling Date		
Station IDZ-E1						
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA26A7390-001	2026-03-27	0.00283	3.55
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A7390-002	2026-03-27	0	2.15
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A7390-003	2026-03-27	0.00117	2.21
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A7390-004	2026-03-27	0	2.50
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A7390-005	2026-03-27	0	1.84
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A7390-006	2026-03-27	0.000371	2.89
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A6845-004	2026-03-23	0	1.70
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A6845-005	2026-03-23	0.00219	2.15
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A6845-006	2026-03-23	0	2.35
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A7432-001	2026-03-28	0.000510	2.47
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A7432-002	2026-03-28	0.000992	1.64
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A7432-003	2026-03-28	0	3.30
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A6845-007	2026-03-23	0	1.20
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A6845-008	2026-03-23	0	2.64
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A6845-009	2026-03-23	0.00243	2.15
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A7432-004	2026-03-28	0.00111	2.74
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A7432-005	2026-03-28	0	2.52
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A7432-006	2026-03-28	0	2.28
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A7390-007	2026-03-27	0	1.98
WQR1	2 m Below Surface	WQR1-2m	VA26A7390-008	2026-03-27	0	2.54
WQR1	2 m Above Seafloor	WQR1-SF	VA26A7390-009	2026-03-27	0	3.17
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A6845-001	2026-03-23	0.0362	1.49
WQR2	2 m Below Surface	WQR2-2m	VA26A6845-002	2026-03-23	0	1.67
WQR2	2 m Above Seafloor	WQR2-SF	VA26A6845-003	2026-03-23	0.00224	2.74
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A7432-007	2026-03-28	0.00758	1.67
WQR2	2 m Below Surface	WQR2-2m	VA26A7432-008	2026-03-28	0.000832	2.32
WQR2	2 m Above Seafloor	WQR2-SF	VA26A7432-009	2026-03-28	0	1.91

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.