TECHNICAL MEMORANDUM

To:	**Ian McAllister, Ashleigh Crompton, Mike Champion, and Ryan Schucroft (Woodfibre LNG)**	**Date: 16 October 2026**
From:	**Holly Pelletier, Cheng Kuang and Patrick Mueller (Lorax)**	**Project #: A825-1**
Subject:	**PE-111578 Weekly Discharge and Compliance Report #135 for October 4 – 10**	

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 #135) was prepared by Lorax and summarizes WDA monitoring conducted for the period of October 4 – 10. 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 #135 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 D for contact water, treated water and non-contact water diversion ditch outlet 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 m^3/day (East WWTP) and 120 m^3/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 m^3/day of contact water and consists of six parallel treatment trains (Trains 1 to 6), each with an installed capacity of 2,450 m^3/day. A staged commissioning of the 2700GPM system began June 2025 and was completed November 2025. Only one train is operated when contact water flows are low. Additional trains are activated as needed to match the influent volumes. Some of the TSS-clarified water may be recirculated back to the ponds or re-used for construction purposes (*e.g.*, dust suppression).

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

1.2 Weather and Water Management

Variable weather conditions were observed during the October 4 – 10 monitoring period, with precipitation recorded on October 9 (16.2 mm). The daily weather conditions are summarized in Table 1.

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

Date	Precipitation (mm)	Max. Temp (°C)	Min. Temp (°C)	Weather Description
2026-10-04	0	20.2	11	Mix of Sun and Cloud
2026-10-05	0	17.7	10.6	Mix of Sun and Cloud
2026-10-06	0	19.1	10.2	Mix of Sun and Cloud
2026-10-07	0	18.4	10.1	Mix of Sun and Cloud
2026-10-08	0	17.7	10.2	Mix of Sun and Cloud
2026-10-09	16.2	16.9	9.2	Rain
2026-10-10	0	15.8	6.5	Mix of Sun and Cloud

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

From October 4 – 10, the East Sedimentation Pond received water from the MOF Sump, 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 October 4 – 10 (Appendix B, Table B-4).

Routine operation of the East WWTP continued during the monitoring period (October 4 – 10). Concrete contact water and water from the Hydrovac Pit, Wash Bay and Fuel Farm 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 (October 4 – 10) except on October 4, 7 and 10 as the East WWTP was not operated. Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-4).

From October 4 – 10, the West Sedimentation Pond received water from the 4100 Sump, the 120T Bridge, and recirculated effluent from the 2700GPM TSS settling system (Appendix A, Figure 3). West Sedimentation Pond effluent was clarified through the 2700GPM system on October 4 through October 8 and either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 174 m^3 of clarified effluent was intermittently discharged to Howe Sound from station SP-W-OUT during the monitoring period (October 4 – 10) on October 5 and October 7. West Sedimentation Pond effluent was not reclaimed for construction use during the monitoring period (October 4 – 10). 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-3).

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, 2025, 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, 2025, 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 SW-01, SW-02, SW-03, SW-04, SW-07, IDZ-W1, IDZ-W2, WQR2, SP-E-IN, WWTP-E-IN, WWTP-E-OUT, SP-W-IN, 2700GPM-IN, and SP-W-OUT during the monitoring period (October 4 – 10). Sampling dates and parameters tested are summarized in Table 2.

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.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (October 4 – 10) were met, with the following exceptions:

- Daily field parameters were not collected on October 7 at the west catchment effluent compliance station (SP-W-OUT) as there was no discharge at the time of monitoring.
- Weekly analytical samples for the West Sedimentation Pond influent and effluent stations (SP-W-IN and SP-W-OUT, respectively). A weekly analytical sample was subsequently collected at SP-W-IN on October 11.

- 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 (October 4 – 10).
- Daily field parameters were not collected at the influent and effluent stations of the East WWTP (WWTP-E-IN and WWTP-E-OUT, respectively) on October 4, 7, 8, and 10 as the East WWTP was not operational at the time of monitoring.
- Daily field parameters and a weekly analytical sample were not collected at the influent and effluent stations of the West WWTP (WWTP-W-IN and WWTP-W-OUT, respectively) as it was not operational during the monitoring period (October 4 – 10).

Table 2:
Summary of PE-111578 Monitoring Samples Collected October 4 – 10.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
October 4, 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
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	D
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
	IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
	IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR1-2m	Reference site 1; 2 m below surface		
	WQR1-SF	Reference site 1; 2 m above the seafloor		
October 5, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharged to Howe Sound at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
October 6, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, 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
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
October 7, 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
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
	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)		
October 8, 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
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
	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)		
October 9, 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
	WQR2-0.5	Reference site 2; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	WQR2-2m	Reference site 2; 2 m below surface		
	WQR2-SF	Reference site 2; 2 m above the seafloor		
October 10, 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
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface		
	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		
	WQR2-0.5	Reference site 2; 0.5 m below surface	Field Parameters.	P
	WQR2-2m	Reference site 2; 2 m below surface		
	WQR2-SF	Reference site 2; 2 m above the seafloor		

Notes:
Monitoring frequency requirements under PE-111578 are indicated as follows:
D – daily monitoring of field parameters at WWTP and sedimentation pond influent and effluent stations.
M – monthly monitoring for all parameters at WWTP, sedimentation pond and receiving environment stations. Monthly monitoring for General parameters, except ammonia, nitrate and nitrite (*i.e.*, nitrogen species) are monitored weekly during blasting season.
M_2 – bi-monthly monitoring for physical parameters at WWTP and sedimentation pond stations.
M_5 – fall 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 #135) are listed below in Table 3, with additional field measurements presented in Table B-3 (Appendix B) and Table C-2 (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:

- SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT collected September 10 (all analytical parameters);
- SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT collected September 17 (total mercury and methylmercury);
- SP-E-IN and WWTP-E-IN collected September 20 (all analytical parameters);
- WWTP-E-OUT collected September 20 (all analytical parameters);
- SP-W-IN and 2700GPM-IN collected September 20 (total mercury, methylmercury, dioxins and furans);
- W2700T2-OUT collected September 20 (total mercury, methylmercury, dioxins and furans);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, and WQR2 collected September 21 (field measurements, all analytical parameters and chronic toxicity);
- WQR1 collected September 22 (field measurements and all analytical parameters);
- SP-W-OUT collected September 27 (dioxins and furans);
- SP-W-IN, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT collected September 27 (total mercury and methylmercury);
- OUT-01 and OUT-02 collected September 29 (total mercury and methylmercury);
- SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT collected September 30 (total mercury and methylmercury);
- SW-02, SW-03 and SW-07 collected October 1 (field measurements and all analytical parameters);
- SW-01 and SW-04 collected October 2 (field measurements and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected October 3 (field measurements and all analytical parameters);

- IDZ-E1, IDZ-E2, and WQR1 collected October 4 (field measurements and all analytical parameters);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected October 6 (all analytical parameters);
- SW-02, SW-03 and SW-07 collected October 7 (field measurements and all analytical parameters);
- SW-01 and SW-04 collected October 8 (field measurements and all analytical parameters);
- WQR2 collected October 9 (field measurements and all analytical parameters);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, and WQR1 collected October 10 (field measurements and all analytical parameters);
- WQR2 collected October 10 (field measurements).

Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #135.

Sample	Description	Sampling Date	Parameters Reported
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	September 15, 2026	Total Mercury and Methylmercury.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
SP-W-OUT	West Sedimentation Pond clarified effluent discharged to Howe Sound at the SP-W-OUT outfall structure	September 27, 2026	Total Mercury and Methylmercury.
OUT-01	Non-contact water diversion ditch outlet	September 29, 2026	Field, Physical and General Parameters, Total and Dissolved Metals.
OUT-02	Non-contact water diversion ditch outlet		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	September 30, 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		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		

3.2 Screening and Reporting Overview

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

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

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

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

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

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

A summary of reported and pending results is provided in Section 3.1. Results for effluents from East WWTP, 2700GPM TSS settling system, and East and West Sedimentation Ponds are discussed in Section 3.3 and Section 3.4, respectively. The water quality monitored at non-contact water diversion ditch outlets and in the receiving environment is described in Section 3.5 to Section 3.7. Sediment samples are collected annually at stations IDZ-E-SED and IDZ-W-SED and are discussed in Section 3.7 when they are reported. Sediment samples were last collected in May 2026, and the analytical results were presented in Report #122.

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.

East WWTP effluent was directed to the East Sedimentation Pond and there was no discharge from the pond to Howe Sound from October 4 – 10 (Section 1.2). Hence, water quality samples and field measurements were not collected at the SP-E-OUT discharge location during the monitoring period.

Results are presented for field measurements of influent quality for the East Sedimentation Pond and East WWTP influent and effluent quality collected October 4 – 10 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT) as well as analytical results for samples collected September 30 (stations SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT; as discussed in Report #134) (Appendix B, Table B-1 and Table B-2). Field measurements for the East WWTP effluent samples (WWTP-E-OUT) met MDOs except for dissolved oxygen on October 5 and 9 (Appendix B, Table B-1 and Table B-3). Analytical results for the September 30 sample collected at WWTP-E-OUT met MDOs.

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 174 m^3 of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound from SP-W-OUT on October 5 and 7.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected October 4 – 10 (stations SP-W-IN, 2700GPM-IN, SP-W-OUT and W2700T1-OUT), as well as analytical results for samples collected September 15 (total mercury and methylmercury for stations SP-W-IN, 2700GPM-IN, and W2700T2-OUT) and September 27 (total mercury and methylmercury for station SP-W-OUT) (Appendix C, Table C-1 and Table C-2).

The total mercury and methylmercury analytical samples collected at SP-W-OUT on September 27 met WQGs (Appendix C, Table C-1).

3.5 Non-Contact Water Diversion Ditch Outlets

On the morning of September 29, during heavy rainfall, small turbid plumes were observed in Howe Sound proximal to the OUT-01 and OUT-02 outfall locations. Site staff immediately investigated the source of turbid water upon discovery of the turbid plumes.

- At OUT-01, a contact water interception pump had stopped operating due to a power failure, resulting in a small flow of contact water into OUT-01. Staff immediately restored the power source and re-activated the pump, which stopped the flow of contact water to the ditch.
- Turbidity observed at OUT-02 originated from a soil slump that occurred under a mat covered slope above the diversion ditch that conveys water to OUT-02. This increased the turbidity of the water conveyed by the ditch to OUT-02. Site staff immediately activated two pumps at the inlet to OUT-02 to re-direct the turbid water to the contact water management system, and this stopped the flow of turbid water to OUT-02.

Analytical results were available at the time of reporting for the non-contact water diversion ditch outlet samples collected at stations OUT-01 and OUT-02 on the morning of September 29 (as discussed in Report #134). The analytical results, field parameters, and WQGs are summarized in

Appendix D. Parameter concentrations met WQGs except field pH, total aluminum and dissolved copper.

Field pH was below the lower limit of the WQG (pH 6.5) at OUT-01 and OUT-02 on September 29. However, field pH measured at OUT-01 (pH 6.26) and OUT-02 (pH 6.49) is within the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (pH 5.6 to 7.5).

Total aluminum was above the long-term WQGs at OUT-01 and OUT-02 on September 29. The total aluminum concentration measured at OUT-01 (0.185 mg/L) was within the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (0.0833 to 0.433 mg/L), whereas the total aluminum concentration measured at OUT-02 (1.5 mg/L) was above the baseline range. Aluminum was predominantly in particulate-bound form and is attributed to the TSS from the soil that slumped into the diversion ditch that conveys water to OUT-02.

Dissolved copper was above the long-term WQGs at OUT-01 and OUT-02 on September 29. Dissolved copper was also above the short-term WQG at OUT-01. The dissolved copper concentrations measured at OUT-01 (0.00118 mg/L) and OUT-02 (0.00099 mg/L) were above the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (0.00020 to 0.00095 mg/L). The elevated dissolved copper concentrations may reflect the mobilization and flushing of dissolved constituents during high-turbidity events.

3.6 Marine Water Receiving Environment

Field measurements and analytical results were not available at the time of reporting for the marine water receiving environment.

3.7 Quality Control

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

Table 4:
Weekly Report QC Evaluations and Ongoing Items

QC Procedure	Observation	Investigation/Resolution
Reporting Period (October 4 – 10, Report #135)		
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. Outfall 11 (OUT-11) has been constructed but is currently not in use. This item remains open.
Report #135: Bypass of Authorized Discharge Location	Contact water discharged to Howe Sound from OUT-01 and OUT-02 in the West Catchment on September 29.	On the morning of September 29, during heavy rain, small turbidity plumes were observed in Howe Sound in the vicinity of Outfall 01 (OUT-01) and Outfall 02 (OUT- 02). A contact water diversion pump near OUT-01 was not operating due to a power failure; therefore, contact water entered the ditch and discharged to Howe Sound at OUT-01. The elevated turbidity at OUT-02 originated from material that sloughed from a mat covered slope above the diversion ditch that conveys water to OUT-02. Following observation of the turbidity plumes, site staff immediately implemented measures that stopped the ingress of turbid water to OUT-01 and OUT-02. BCER has been notified. This item is closed.
Report #135: Pending Data	Analytical results not reported.	Field measurements and all analytical results for receiving environment samples collected October 4, 7, 8, 9 and 10, as well as analytical results for contact and treated water samples collected October 6 are pending and will be included in future weekly reports when available. This item remains open.
Ongoing Items from Previous Weekly Reports		
Report #112: WWTP Performance Evaluation	Total mercury and methylmercury above the MDO.	This item was first noted in Report #112. The total mercury and methylmercury concentrations in the samples collected at WWTP-E-OUT from April 15 through June 8 and on July 10, 26, August 6, 14, 18, 24, and September 5 were above the MDOs. Total mercury was above the MDO on July 20. Increased incidence of total mercury and methylmercury concentrations above the MDOs in site contact waters occurred in late April 2025 through September 2025, coinciding with warmer and drier weather relative to winter months. In 2025, possible project related sources had been evaluated, and upstream contact water monitoring data indicate methylmercury was elevated in the Hydrovac sump. Excess water from this sump is directed to the East WWTP. This production of methylmercury is attributed to microbially mediated methylation of total mercury in the bottom sediments of water management sumps, and transfer from the sump sediments to the water column. Enhanced monitoring for methylmercury was implemented in May 2026. Results indicate elevated methylmercury concentrations are observed in the Hydrovac bins, comparable to levels observed in 2025 at the Hydrovac sump. Excess water from the Hydrovac bins is directed to the East WWTP. The enhanced monitoring for methylmercury is ongoing. This item remains open.
Report #116: WWTP Performance Evaluation	Hexavalent chromium above the MDO.	This item was first noted in Report #116. Hexavalent chromium concentrations in all samples collected at WWTP-E-OUT in July and on August 6 and 18 were above the MDO (0.0015 mg/L). The hexavalent chromium concentration in the WWTP-E-OUT sample collected August 14, 24, September 5, 17 and 30 met the MDO. The instances of hexavalent chromium above the MDO were limited from July to mid-August. This item is closed.
Report #127: WWTP Performance Evaluation	Total selenium above the MDO.	The total selenium concentrations in WWTP-E-OUT samples collected in August and on September 5 were above the MDO (0.002 mg/L). Total selenium met the MDO in the WWTP-E-OUT sample collected September 17 and 30. The instances of total selenium above the MDO were limited from August to early September. This item is closed.
Report #131: WWTP Performance Evaluation	Total zinc above the MDO.	The total zinc concentration in the sample collected at WWTP-E-OUT on September 5 was above the MDO (0.0133 mg/L). Total zinc met the MDO in subsequent WWTP-E-OUT samples collected September 17 and 30. The instance of total zinc above the MDO was considered an isolated event. This item is closed.
Report #131: Pending Data	Analytical results not reported.	All analytical parameters for contact and treated water samples collected September 10 are pending and will be included in future weekly reports when available. This item remains open.
Report #132: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for contact and treated water samples collected September 15 are included in Report #135. Total mercury and methylmercury results for contact and treated water samples collected September 17 are pending and will be included in future weekly reports when available. This item remains open.
Report #133: Pending Data	Analytical results not reported.	Analytical parameters for contact and treated water samples collected September 20 as well as field measurements, analytical results and chronic toxicity test results for receiving environment samples collected September 21 and 22 are pending and will be included in future weekly reports when available. This item remains open.
Report #134: Pending Data	Analytical results not reported.	Previously pending field measurements and analytical results for non-contact water diversion ditch outlets collected September 29, analytical results for contact and treated water samples collected September 30, as well as total mercury and methylmercury results for the SP-W-OUT sample collected September 27 are included in Report #135. Field measurements and all analytical results receiving environment samples collected October 1, 2, and 3, as well as total mercury, methylmercury, dioxins and furans results for contact and treated water samples collected September 27 and 30 and for non-contact water diversion ditch outlets collected September 29 are pending and will be included in future weekly reports when available. This item remains open.

Notes:
Result QA/QC screening includes the evaluation of field and lab QC results, comparison of total and dissolved metal results and review for modified detection limits.
Pending data are outstanding results from monitoring samples reported in the current or previous weekly reports.
Authorized works and monitoring program evaluation is an assessment of the completeness of the authorized works and monitoring program compared to PE-111578 specified or implied requirements.
WWTP performance evaluation is an assessment of WWTP effluent quality compared to operational MDOs.
Data QC indicates an evaluation of data trends or inter-parameter relationships that suggest a test result may not be representative of water quality at the time of monitoring.
Non-compliant discharge indicates exceedance of a discharge limit or a discharge that bypasses the sedimentation pond discharge location.
Potential project influence is an assessment that water quality at creek and Howe Sound baseline stations are above the baseline concentration range and may indicate project influence at these stations.

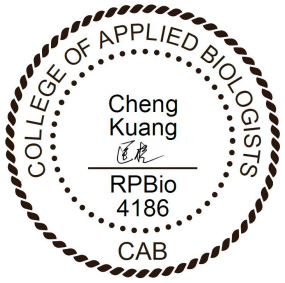
4. Closure

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

Regards,

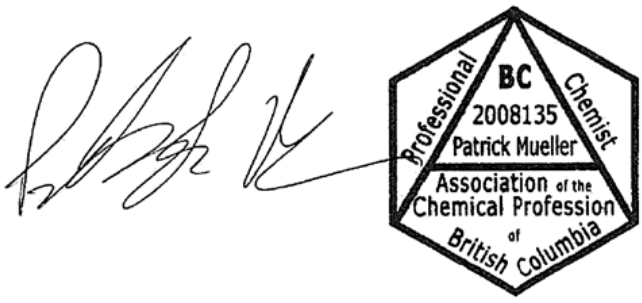
LORAX ENVIRONMENTAL SERVICES LTD.





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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:	Oct 16, 2026
DRAWN BY:	DM
REVIEWED:	PM
VERSION:	1

Coordinate System: NAD 1983 UTM Zone 10N
Projection: Transverse Mercator
Datum: North American 1983
Units: Metres

1:7,000

0 100 200 Metres

CLIENT: Woodfibre LNG

LORAX ENVIRONMENTAL

PROJECT: **Woodfibre LNG Project Construction Phase**

TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (October 10, 2026)

PROJECT #: A825-1

FIGURE: 1

P:\@202506\Woodfibre\Drafting Figures\APRX\WLNG Weekly Report Figure\WLNG Weekly Report.aprx Figure 1 - Monitoring and Compliance Locations Printed by: DesMacDonald

Potential Influent Sources to EWWTP and East Sediment Pond: October 4 to October 10, 2026

Figure 2

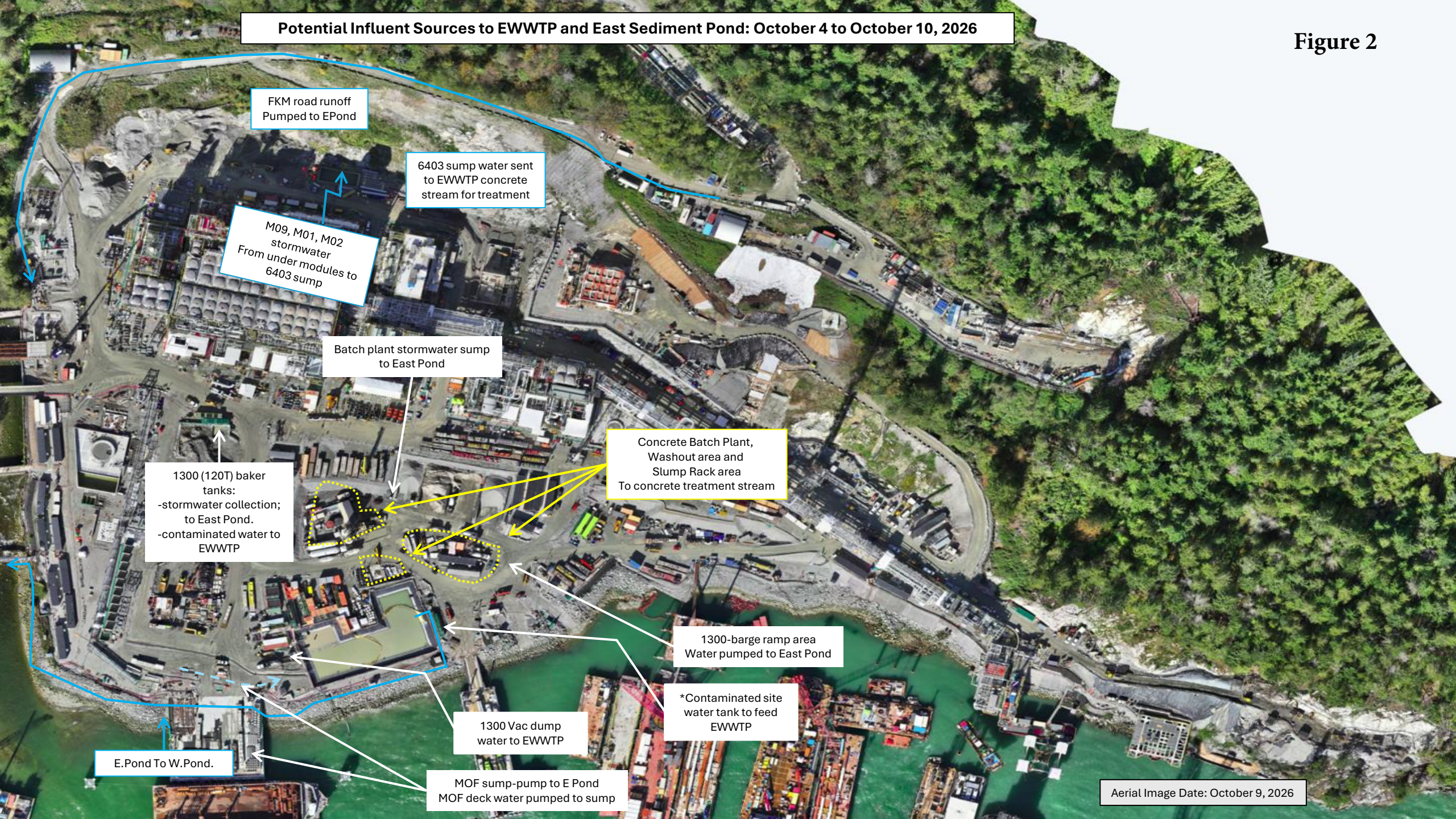


Figure 3

Potential Influent Sources to West Sedimentation Pond and 2700GPM system: October 4 to October 10, 2026

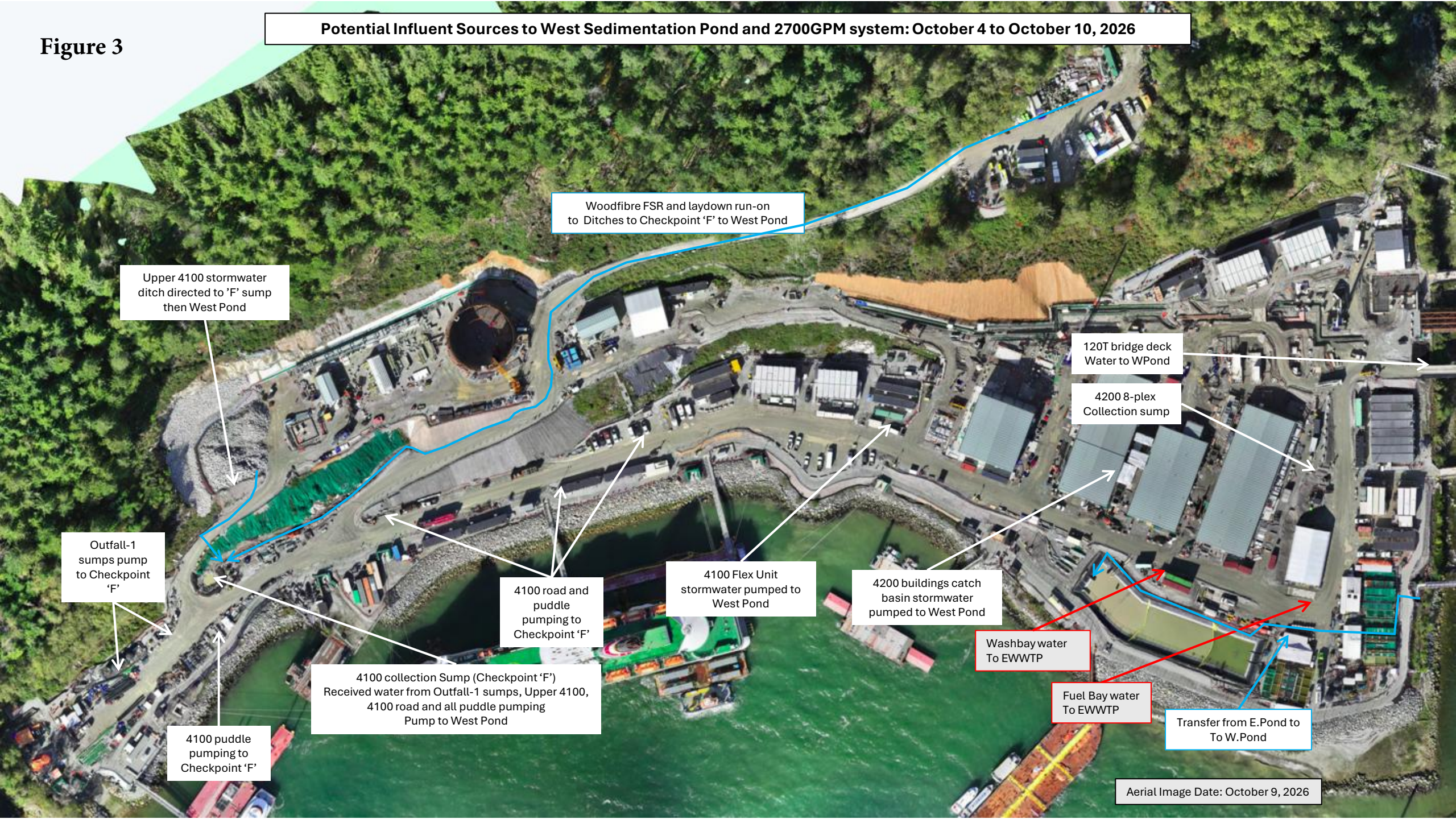




Figure 4: Aerial view of the East Sedimentation Pond (October 9, 2026). The East WWTP is located on the left side of the pond.

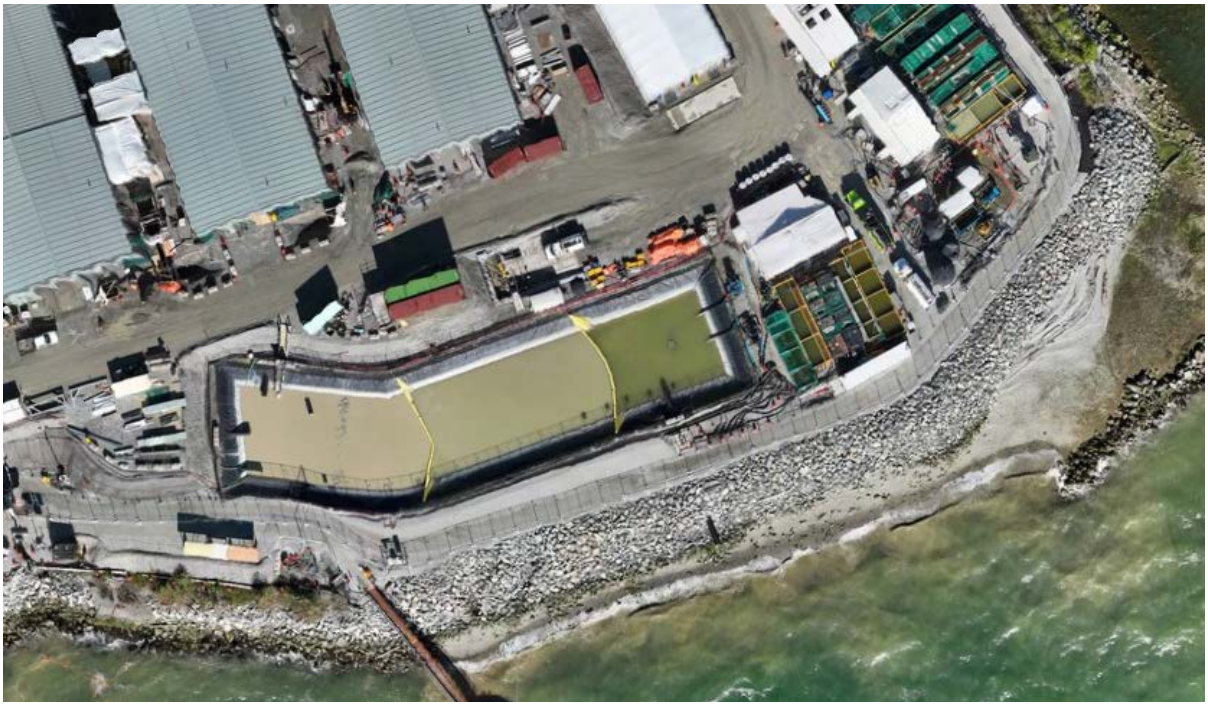


Figure 5: Aerial view of the West Sedimentation Pond (October 9, 2026).

Appendix B:
East Catchment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station WWTP-E-IN	Station COMB-WWTP-E-IN	Station WWTP-E-OUT
					Influent	Influent	Effluent
					WWTP-E-IN	COMB-WWTP-E-IN	WWTP-E-OUT
					VA26C8798-002	VA26C8798-005	VA26C8798-008
		Long Term	Short Term		2026-09-30 10:34	2026-09-30 11:36	2026-09-30 16:58
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.07	10.26	6.7
Specific Conductivity - Field	µS/cm	-	-	-	1515	1590	1793
Temperature - Field	°C	-	-	-	13.5	13.0	15.1
Salinity - Field	ppt	-	-	-	0.77	0.81	0.91
Turbidity - Field	NTU	-	-	-	43.35	39.14	8.28
TSS	mg/L	-	-	25 or 75 [5]	8.6	45.2	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	9.72	9.11	10.5
Total Hardness	mg/L	-	-	-	99.3	82.3	25.4
Dissolved Hardness	mg/L	-	-	-	91.4	77	24.9
Anions and Nutrients							
Sulphate	mg/L	-	-	-	517	566	641
Chloride	mg/L	-	-	-	6.14	5.21	4.73
Fluoride	mg/L	-	1.5	-	0.116	0.104	0.119
Ammonia ($N\text{-}NH_3$)	mg/L	0.17-9.4 [3]	1.1-62 [3]	-	0.473	***0.355***	0.667
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.024	0.0255	0.0305
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.28	0.285	0.332
Total Organic Carbon (TOC)	mg/L	-	-	-	4.90	4.18	3.45
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.42	3.86	3.40
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	1.75	0.786	0.0763
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00114	0.00166	0.00159
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00207	0.00495	0.00149
Barium, total (T-Ba)	mg/L	-	-	-	0.0424	0.042	0.00205
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.00003	<0.000020	<0.000040
Boron, total (T-B)	mg/L	1.2	-	-	0.132	0.382	0.295
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000450	<0.0000300	<0.0000250
Chromium, total (T-Cr)	mg/L	-	-	-	0.00108	0.00254	<0.00100
Cobalt, total (T-Co)	mg/L	-	-	-	0.00064	0.00054	<0.00020
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00265	0.0026	0.00173
Iron, total (T-Fe)	mg/L	-	-	-	1.44	3.51	<0.020
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00053	0.000376	0.000126
Manganese, total (T-Mn)	mg/L	0.1	-	-	***0.106***	0.0776	0.00181
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0532	0.0412	0.0384
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.0009	0.00283	<0.00100
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000726	0.000674	0.000519
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000020
Thallium, total (T-Tl)	mg/L	-	-	-	0.000016	0.00001	0.000022
Uranium, total (T-U)	mg/L	-	-	-	0.00222	0.00171	0.00159
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00322	0.0017	0.00139
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0183	0.11	0.0086
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000300	<0.0000100	<0.0000300
Cobalt, dissolved (D-Co)	mg/L	-	-	-	0.00015	<0.00010	<0.00020
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00112	0.00123	0.00159
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.013	<0.010	<0.020
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000100
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0549	0.00611	0.00151
Nickel, dissolved (D-Ni)	mg/L	-	-	-	0.00053	0.00057	<0.00100
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.361	0.289	0.218
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00093	<0.00050	<0.00100
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0061	<0.0010	0.0077
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 (October 4 – 10).
[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 27G and 27H 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 Influent SP-E-IN VA26C8798-001 2026-09-30 12:05
		Long Term	Short Term		
General Parameters					
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.08
Specific Conductivity - Field	µS/cm	-	-	-	1763
Temperature - Field	°C	-	-	-	16.7
Salinity - Field	ppt	-	-	-	0.9
Turbidity - Field	NTU	-	-	-	56.32
TSS	mg/L	-	-	25 or 75 [5]	58.8
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.54
Total Hardness	mg/L	-	-	-	57.9
Dissolved Hardness	mg/L	-	-	-	51.2
Anions and Nutrients					
Sulphate	mg/L	-	-	-	601
Chloride	mg/L	-	-	-	4.85
Fluoride	mg/L	-	1.5	-	0.114
Ammonia (N-NH_3)	mg/L	5.9 [3]	40 [3]	-	0.736
Nitrite (N-NO_2)	mg/L	-	-	-	0.0305
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.398
Total Organic Carbon (TOC)	mg/L	-	-	-	5.72
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.67
Total Metals					
Aluminum, total (T-Al)	mg/L	-	-	-	3.47
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.0014
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00216
Barium, total (T-Ba)	mg/L	-	-	-	0.0338
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000051
Boron, total (T-B)	mg/L	1.2	-	-	0.221
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.000068
Chromium, total (T-Cr)	mg/L	-	-	-	0.00317
Cobalt, total (T-Co)	mg/L	-	-	-	0.00125
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00491
Iron, total (T-Fe)	mg/L	-	-	-	3.02
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00108
Manganese, total (T-Mn)	mg/L	0.1	-	-	***0.111***
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0404
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00199
Selenium, total (T-Se)	mg/L	0.002	-	-	0.00071
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000020
Thallium, total (T-Tl)	mg/L	-	-	-	0.000039
Uranium, total (T-U)	mg/L	-	-	-	0.0017
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00667
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0327
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050
Dissolved Metals					
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000250
Cobalt, dissolved (D-Co)	mg/L	-	-	-	0.00033
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00173
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.643
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000275
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0353
Nickel, dissolved (D-Ni)	mg/L	-	-	-	0.00071
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.263
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00242
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0124
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 (October 4 – 10).
[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 27G and 27H 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 (October 4 – 10).

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-E-IN	Influent	2026-10-04 14:08	18.1	11.53	0.52	28.11	24.0	8.2	1047	No
SP-E-IN	Influent	2026-10-05 15:07	16.8	12.83	0.49	22.65	19.9	8.7	980	No
SP-E-IN	Influent	2026-10-06 9:36	14.9	9.85	0.79	10.57	10.9	7.8	1567	No
SP-E-IN	Influent	2026-10-07 16:36	17.7	11.54	0.84	4.55	6.4	7.9	1663	No
SP-E-IN	Influent	2026-10-08 12:53	17.0	12.66	0.80	5.74	7.3	8.4	1586	No
SP-E-IN	Influent	2026-10-09 10:56	15.6	9.17	0.28	478.79	360.1	7.5	579	No
SP-E-IN	Influent	2026-10-10 9:36	12.6	9.29	0.36	94.65	73.6	7.5	738	No
WWTP-E-IN	Influent	2026-10-05 15:27	17.8	11.86	0.83	5.61	7.2	8.2	1637	No
WWTP-E-IN	Influent	2026-10-06 9:11	15.7	11.66	0.82	6.67	8.0	8.4	1622	No
WWTP-E-IN	Influent	2026-10-09 10:46	16.5	11.00	0.72	30.82	26.0	8.6	1423	No
Effluent [5]										
WWTP-E-OUT	Effluent	2026-10-05 15:24	16.2	***4.31***	0.77	1.46	4.1	6.8	1522	No
WWTP-E-OUT	Effluent	2026-10-06 9:53	15.4	10.09	0.90	2.82	5.1	6.8	1759	No
WWTP-E-OUT	Effluent	2026-10-06 16:00	16.8	10.25	0.87	2.51	4.9	7.6	1710	No
WWTP-E-OUT	Effluent	2026-10-09 10:47	16.1	***7.92***	0.85	1.87	4.4	7.2	1676	No

Notes:
The east catchment did not discharge to Howe Sound during the monitoring period (October 4 – 10). 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 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 October 8 as the East WWTP was not operational at the time of monitoring. The East WWTP was not operated on October 4, 7 and 10.
[5] There was no discharge at the authorized discharge location (SP-E-OUT) during the monitoring period (October 4 – 10), 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 October 8 as the East WWTP was not operational at the time of monitoring. The East WWTP was not operated on October 4, 7 and 10.
[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 (October 4 – 10).

	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				
2026-10-04	0	0	0	0
2026-10-05	0	0	45	0
2026-10-06	0	0	118	0
2026-10-07	0	0	0	0
2026-10-08	0	0	25	0
2026-10-09	0	0	80	0
2026-10-10	0	0	0	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 m^3/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 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]	0.0012 - 0.0017 [3,4]
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26C6508-001	2026-09-15	0.000099	0.00166
2700GPM-IN	Influent	W2700-IN	VA26C6508-002	2026-09-15	***0.000112***	***0.00170***
Effluent						
SP-W-OUT	Effluent	SP-W-OUT	VA26C8114-005	2026-09-27	0.000043	<0.00050
W2700T2-OUT	Effluent	W2700T2-OUT	VA26C6508-003	2026-09-15	0.000081	0.00095

Notes:
West catchment influents presented in the table 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.

Table C-2:
West Catchment Field Measurements Collected During the Monitoring Period (October 4 – 10).

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	2026-10-04 9:07	14.9	10.06	0.15	6.18	7.6	7.4	321	No
SP-W-IN	Influent	2026-10-05 8:12	15.0	10.46	0.16	8.81	9.6	7.1	336	No
SP-W-IN	Influent	2026-10-06 8:10	14.6	9.22	0.17	25.65	22.1	7.9	352	No
SP-W-IN	Influent	2026-10-07 10:10	15.5	9.83	0.16	4.22	6.1	7.6	336	No
SP-W-IN	Influent	2026-10-08 8:24	15.1	9.36	0.16	10.31	10.7	8.0	335	No
SP-W-IN	Influent	2026-10-09 14:44	18.0	9.72	0.13	389.14	293.2	7.5	268	No
SP-W-IN	Influent	2026-10-10 16:07	18.7	9.47	0.14	186.27	141.9	8.3	288	No
2700GPM-IN	Influent	2026-10-04 9:13	15.1	9.99	0.17	12.67	12.4	7.7	354	No
2700GPM-IN	Influent	2026-10-05 8:17	15.6	9.89	0.16	9.65	10.2	7.3	324	No
2700GPM-IN	Influent	2026-10-06 8:05	15.1	10.21	0.17	9.2	9.9	8.0	347	No
2700GPM-IN	Influent	2026-10-07 10:04	15.4	10.27	0.16	10.26	10.7	7.0	330	No
2700GPM-IN	Influent	2026-10-08 8:19	15.2	10.22	0.16	8.31	9.2	7.8	336	No
Effluent [5]										
SP-W-OUT	Effluent	2026-10-05 14:37	17.2	10.66	0.17	5.44	7.1	7.9	348	No
W2700T1-OUT[5]	Effluent	2026-10-07 [5]	-	-	-	4.5	6.4	7.1	-	-
W2700T1-OUT[5]	Effluent	2026-10-07 10:01 [5]	15.9	9.63	0.16	2.77	5.1	6.8	332	No

Notes:
West catchment influents 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 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 1 and 5 was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) on October 5 and 7, respectively. There was no discharge to Howe Sound at SP-W-OUT at the time of monitoring on October 7. Clarified effluent from Train 1 discharged at SP-W-OUT on October 7; therefore, in-line turbidity and pH measurements at the outlet of Train 1 (W2700T1-OUT) at the end of the discharge period on October 7 are presented in lieu of field measurements for SP-W-OUT on October 7. Additional field measurements collected October 7 at W2700T1-OUT while recirculating to the West Sedimentation Pond are also presented in lieu of field measurements for SP-W-OUT on October 7.
[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-3:
West Catchment Daily Discharge Volumes for the Monitoring Period (October 4 – 10).

	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					
2026-10-04	0	2,006	0	0	0
2026-10-05	0	2,047	0	0	162
2026-10-06	0	307	0	0	0
2026-10-07	0	696	0	0	13
2026-10-08	0	774	0	0	0
2026-10-09	0	0	0	0	0
2026-10-10	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 m^3/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 Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1, 2]		Station OUT-01	Station OUT-02
				Non-contact Water Diversion Ditch Outlet	Non-contact Water Diversion Ditch Outlet
				OUT-01	OUT-02
				VA26C8896-001	VA26C8896-002
		Long Term	Short Term	2026-09-29 10:53	2026-09-29 8:47
General Parameters					
pH - Field	pH units	6.5 - 9.0	-	***6.26***	***6.49***
Specific Conductivity - Field	µS/cm	-	-	28	22
Temperature - Field	°C	-	-	12.6	12.5
Salinity - Field	ppt	-	-	0.01	0.01
Turbidity - Field	NTU	-	-	3.39	3.31
TSS	mg/L	-	-	<3.0	20.3
Dissolved Oxygen - Field	mg/L	>=8	>=5	9.8	10.65
Total Hardness	mg/L	-	-	10.1	21.2
Dissolved Hardness	mg/L	-	-	9.44	14.9
Anions and Nutrients					
Sulphate [2]	mg/L	128	-	1.82	6.82
Chloride	mg/L	120	600	0.74	1.03
Fluoride [2]	mg/L	-	0.412-0.710	<0.020	<0.020
Ammonia ($N\text{-}NH_3$) [2]	mg/L	1.81	25.0	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$) [2]	mg/L	0.0200	0.1	<0.0010	<0.0010
Nitrate ($N\text{-}NO_3$)	mg/L	3	32.8	0.641	1.04
Total Organic Carbon (TOC)	mg/L	-	-	5.92	8.46
Total Inorganic Carbon (DOC)	mg/L	-	-	5.78	6.75
Total Metals					
Aluminum, total (T-Al) [2]	mg/L	0.0416-0.0848	-	***0.185***	***1.50***
Antimony, total (T-Sb)	mg/L	0.074	-	0.00019	0.0001
Arsenic, total (T-As)	mg/L	0.005	-	0.00017	0.00039
Barium, total (T-Ba)	mg/L	1	-	0.00591	0.0128
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020	0.000025
Boron, total (T-B)	mg/L	1.2	29	<0.010	<0.010
Cadmium, total (T-Cd) [2]	mg/L	0.0000364-0.0000437	0.000204-0.000434	0.0000174	0.0000287
Chromium, total (T-Cr)	mg/L	0.0025	-	<0.00050	0.00051
Cobalt, total (T-Co) [2]	mg/L	0.000778	-	<0.00010	0.00047
Copper, total (T-Cu)	mg/L	-	-	0.00172	0.00294
Iron, total (T-Fe) [2]	mg/L	0.235-0.275	1	0.052	0.865
Lead, total (T-Pb)	mg/L	-	-	0.000175	0.000846
Manganese, total (T-Mn)	mg/L	-	-	0.00409	0.0246
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000285	0.00222
Nickel, total (T-Ni) [2]	mg/L	0.0250	-	0.00074	0.00082
Selenium, total (T-Se)	mg/L	0.001	-	0.000055	0.000079
Silver, total (T-Ag)	mg/L	0.00012	-	0.000011	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000091	0.00107
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050	0.00199
Zinc, total (T-Zn)	mg/L	-	-	0.0104	0.008
Hexavalent Chromium, total	mg/L	0.0025	-	-	-
Dissolved Metals					
Cadmium, dissolved (D-Cd) [2]	mg/L	0.0000391-0.0000675	0.0000555-0.000119	0.0000085	0.0000081
Cobalt, dissolved (D-Co) [2]	mg/L	0.000389	-	<0.00010	<0.00010
Copper, dissolved (D-Cu) [2]	mg/L	0.000200-0.000347	0.000922-0.00235	***0.00118***	***0.00099***
Iron, dissolved (D-Fe)	mg/L	-	-	0.026	0.025
Lead, dissolved (D-Pb) [2]	mg/L	0.00312-0.00396	-	0.000108	0.000061
Manganese, dissolved (D-Mn) [2]	mg/L	0.145-0.155	0.985-1.97	0.0029	0.00268
Nickel, dissolved (D-Ni) [2]	mg/L	0.000800-0.00100	0.0139-0.0162	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.0131	0.0202
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050
Zinc, dissolved (D-Zn) [2]	mg/L	0.0102-0.0108	0.0115-0.0170	0.0045	0.0029
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	0.00001	-	-	-
Chrysene	mg/L	-	-	-	-
Fluoranthene	mg/L	0.00004	-	-	-
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	0.00002	-	-	-
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. The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.
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