



## TECHNICAL MEMORANDUM

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**To:** Ashleigh Crompton, Mike Champion, Jackie Boruch, Ryan Schucroft (Woodfibre LNG)      **Date:** 8 March 2024

**From:** Patrick Mueller and Holly Pelletier (Lorax)      **Project #:** A633-7

**Subject:** PE-111578 Weekly Discharge and Compliance Report #3, February 25 – March 2

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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 permit specifies monitoring and reporting requirements that are required to be met by Woodfibre LNG during construction of the LNG Export Facility. Reporting is required on a weekly basis.

This technical memorandum (Report #3) summarizes the results of PE-111578 discharge and compliance monitoring conducted February 25 – March 2, and is intended to meet the reporting requirements specified in Condition 4.2 of WDA Effluent Permit PE-111578. This technical memorandum report has been prepared to meet the requirements specified in Condition 4.2 of PE-111578 which is reproduced below:

“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.”

### **1. Current Conditions**

The Construction Phase of the Woodfibre LNG Export Facility commenced in October 2023. Early stage civil works have been commenced including site grading, levelling, and sedimentation pond berm construction. In December, in-marine works were initiated in the foreshore and shoreline areas of the Project and in early 2024 construction of water management infrastructure was initiated and continued through the February 25 – March 2 monitoring period.

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Backfill of the East Sedimentation Pond liner key trench continued, and the riprap berm was installed to complete the initial settling basin for influent (Figure 1 and Figure 2). A small amount of contact water was pumped into the pond. Construction of the pond is scheduled for completion the week of March 3 and commissioning of the East Wastewater Treatment Plant (EWWTP) is planned for the week of March 13. Following commissioning of the EWWTP construction of the remaining East Catchment water management infrastructure will commence (i.e., conveyance ditches, outfall structures). However, no discharges of contact water to the environment were reported in association with these activities.

Construction of the West Sedimentation Pond is scheduled to begin the week of March 3 and be completed by the end of March. The planned layout of the West Sedimentation Pond is shown in Figure 3. Construction of the West Catchment Diversion Ditches has been initiated. Site reports indicate there were no contact water discharges to the environment during the reporting period.

## **2. Monitoring Summary**

As the authorized works were under construction during the February 25 – March 2 monitoring period, monitoring as per Condition 4 of PE- 111578. Compliance monitoring stations will be progressively established as water management infrastructure is completed. The WDA monitoring program for receiving environment stations will be conducted by Roe Environmental beginning in March, at the frequency specified in PE-111578.

## **3. Water Quality Results**

Field measurements and analytical samples for the PE-111578 monitoring stations were not collected during the February 25 – March 2 monitoring period. Dioxin and furan analytical results for receiving environment samples collected by Keystone Environmental from February 13 to 15 and described in Weekly Report #2 were not available at the time of reporting and are expected to be received mid-March due a 4-week turnaround time for testing these parameters.

#### 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. The records reviewed and analyzed by Lorax include ALS Environmental laboratory test reports, LB LNG site reports and Keystone Environmental field reports. Verbal or electronic communications between Lorax, and LB LNG and Keystone Environmental staff are conducted as needed to confirm the information presented in this report.

Regards,

**LORAX ENVIRONMENTAL SERVICES LTD.**

Prepared by:



**Patrick Mueller, B.Sc., P.Chem.**  
Environmental Chemist

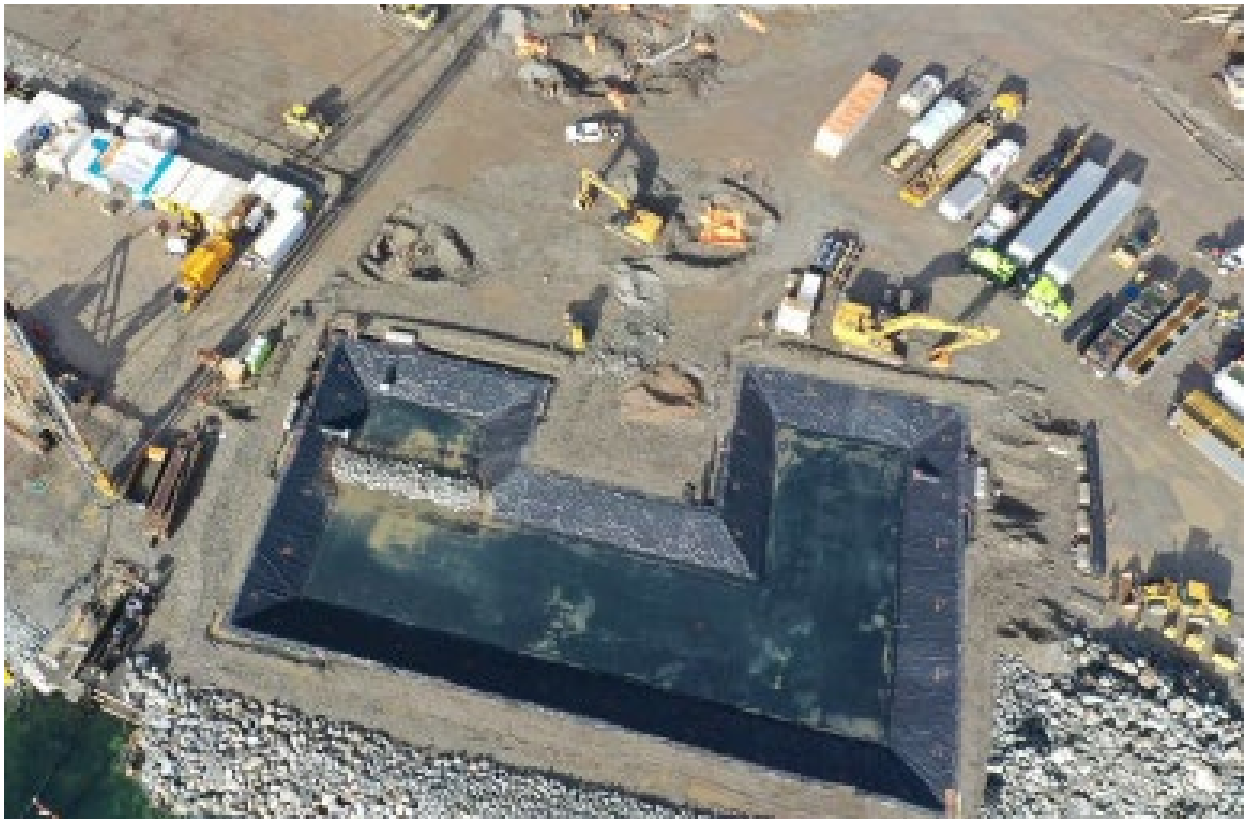
Prepared by:

A blue ink signature of Holly Pelletier.

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



**Figure 1. East Sedimentation Pond showing placement of the inlet pipes (02-Mar-2024).**



**Figure 2: Aerial view of the East Sedimentation Pond (02-Mar-2024).**



**Figure 3: Planned location of the West Sedimentation Pond within the West Catchment.**