



TECHNICAL MEMORANDUM

To: Ashleigh Crompton, Mike Champion, Jackie Boruch, Ryan Schucroft (Woodfibre LNG) **Date:** 23 February 2024

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

Subject: Weekly Report #1 for Woodfibre LNG WDA Discharge and Compliance Monitoring During February 9 – 15

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 report summarizes the results of the PE-111578 discharge and compliance monitoring program conducted February 9 – 15, and is intended to meet the reporting requirements specified in Condition 4.2 of WDA Effluent Permit PE-111578. The weekly reports are based on Friday to Thursday monitoring periods.

Condition 4.2 of PE-111578 states the following:

“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 berm construction. In December, in-marine works were initiated in the foreshore and shoreline areas of the Project. However, no discharges of contact water to the environment were reported in association with these activities.

For the February 9 – 15 monitoring period, construction of the East Catchment water management infrastructure was conducted in the East Catchment. The placement of the East Sedimentation Pond berms was completed, and the pond liner was installed (refer to Figure 1 and Figure 2 at the end of this report).

The East Sedimentation Pond is scheduled to be commissioned on February 27. Once the pond is commissioned for the storage of water, construction of the remaining water management infrastructure will commence (*i.e.*, conveyance ditches, outfall structures). The East Wastewater Treatment Plant (EWWTP) has been constructed, and commissioning trials will commence after the East Sedimentation Pond is completed.

Construction of the West Catchment water management infrastructure, starting with the West Sedimentation Pond, is scheduled to begin March 28, following the completion of early stage civil works.

2. Monitoring Summary

During the February 9 – 15 monitoring period, there were no surface discharges of construction contact water from the site. Construction contact water monitoring stations specified in PE-111758 for the fully built-out construction site have not been established, therefore contact and non-contact water stations were not monitored. The stations will be progressively established as water management infrastructure is completed.

Some receiving environment stations were monitored by Keystone Environmental for marine water (February 13 and 14) and creek water (February 15). The Keystone program is for baseline stations of freshwater and marine water, with some of the monitoring stations overlapping with stations specified in PE-111578. Samples were collected at all the creek monitoring stations, and from the marine water reference stations specified in PE-111578.

3. Water Quality Results

Analytical results are not available for the receiving environment samples collected by Keystone Environmental during the February 9 – 15 monitoring period. The results are expected to be included in the next weekly report.

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 and LB LNG site reports. Verbal or electronic communications between Lorax and on-site LB LNG staff are conducted as needed to confirm information presented in this report.

Regards,

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Figure 1. East Sedimentation Pond showing placement of the liner (16-Feb-2024).



Figure 2: Areal view of the southern portion of the East Catchment showing the lateral extent of the East Sedimentation Pond (16-Feb-2024).