

## TECHNICAL MEMORANDUM

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**To:** Ashleigh Crompton, Mike Champion, Jackie Boruch, Ryan Schucroft (Woodfibre LNG) **Date:** 15 March 2024

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

**Subject:** PE-111578 Weekly Discharge and Compliance Report #4, March 3 – 9

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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 #4) summarizes the results of PE-111578 discharge and compliance monitoring conducted March 3 – 9, 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. Figures referenced in the discussion are included at the end of this report.

“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](mailto: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 March 3 – 9 monitoring period. The water management

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facilities that were completed or under construction during the reporting period are shown in Figure 1.

During the reporting period (March 3 – 9) construction of the East Sedimentation Pond was completed (Figure 2). The setup of the East Wastewater Treatment Plant (EWWTP) continued, and commissioning has been deferred to the week of March 17. No discharges of contact water to the environment were reported in association with these activities. Following commissioning of the EWWTP, construction of the remaining East Catchment water management infrastructure will commence (*i.e.*, conveyance ditches, outfall structures).

Construction of the West Sedimentation Pond began during the reporting period (March 3 – 9) with site leveling and placement of anchor blocks for the pond berm (Figure 3) and is scheduled to be completed early April. The construction of a non-contact water diversion ditch was initiated along the ditch line shown in Figure 1. Water that accumulates in the ditch is contained and managed on-site as non-contaminated contact water. Site reports indicate there were no contact water discharges to the environment during the reporting period.

## **2. Monitoring Summary**

The authorized works were under construction during the March 3 – 9 monitoring period. Compliance monitoring stations will be progressively established as water management infrastructure is completed. The receiving environment stations for creek water and Howe Sound reference locations have been established (Figure 1). Monthly monitoring of PE-111578 receiving environment stations will be conducted by Roe Environmental in the latter half of March.

## **3. Water Quality Results**

Field measurements and analytical samples for the PE-111578 monitoring stations were not collected during the March 3 – 9 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 prior to issuing the next weekly report.

#### 4. Closure

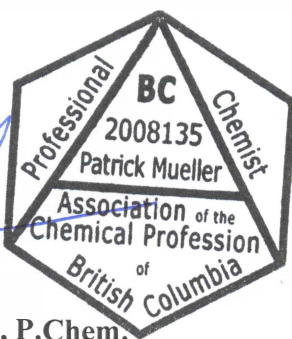
This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and project staff responsible for environmental management. The records reviewed and analyzed by Lorax include ALS Environmental laboratory test reports, and field reports from Roe Environmental, LB LNG and Keystone Environmental. Verbal or electronic communications between Lorax, Woodfibre LNG and other project staff are conducted as needed to confirm the information presented in this report.

Regards,

**LORAX ENVIRONMENTAL SERVICES LTD.**

Prepared by:

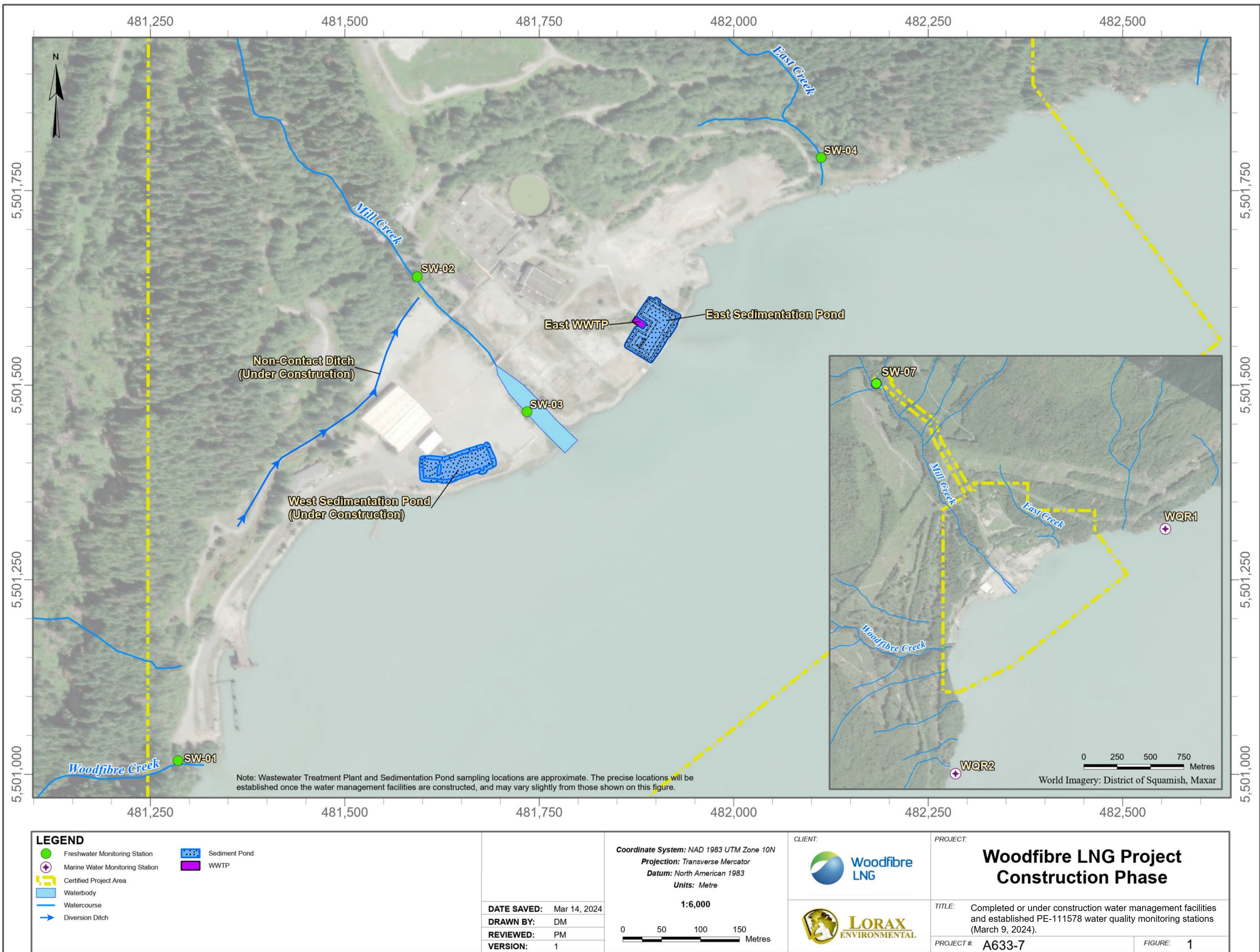
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**Figure 2. Areal view of the completed East Sedimentation Pond (04-Mar-2024).**



**Figure 3: West Sedimentation Pond site preparation and construction (06-Mar-2024).**