KENDALL BAY SEDIMENT REMEDIATION PROJECT

FEBRUARY 2020 MONTHLY ENVIRONMENTAL REPORT WEBSITE SUMMARY

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Works Update

Key February work activities included:

- Completed sediment access removal works into Southern Remediation Area (SA1)
- Continued installation of sheet piles into Southern Remediation Area (SA1)
- Commenced beach remediation in Southern Remediation Area (SA3 and SA5)
- Onsite mobilisation of barges and commencement of Northern Area Remediation (NA2/3)

Project Progress

Environmental Update

There has been no record of any environmental incident or exceedance during the month of February. All background water quality monitoring sites have been installed and remain operational. The Environment Protection Licence (EPL) remains in force.

SSD6701 Consent Conditions and EPL 21302 Compliance

In accordance with SSD6701 Consent Conditions B22 and B36 water and air quality monitoring must be conducted in line with the relevant approved management plans. Additionally, in accordance with EPL 21302 Conditions M7.1 to M8.1 and R4.3 to R4.8 water quality, air quality and noise monitoring must be conducted in compliance with the Licence conditions. A summary of the monitoring for February 2020 is provided below. This summary is provided to the EPA and Planning Secretary monthly.

Daily visual monitoring recorded on the “Remediation Works Environmental Checklist” confirmed potential odour generating works conducted in February did not generate elevated levels of odour or volatile organic compounds above compliance limits. Additionally, monitoring results from water quality buoys and laboratory samples confirmed mooring pile, sheet pile, sediment removal access works and remediation works in Kendall Bay did not cause any elevated turbidity levels. Noise monitoring in Kendall Bay also confirmed all works were undertaken at noise levels below the projects noise management criteria. A summary of the EPL points is provided below.

EPL Point	Interpretation
1	Tennyson Road Background Monitor. Major flood / heavy rainfall event recorded by sensor. Minor spiking issues throughout the month due to flood debris. Typical background levels ranged between 6-40NTU with a peak of 500NTU as a result of flood waters.
2	Kendall Bay Background Monitor. Major flood / heavy rainfall event recorded by sensor. Minor spiking issues throughout the month due to flood debris. Typical background levels ranged between 6-40NTU with a peak of 500NTU as a result of flood waters.
3	Northern Compliance Monitor. Major flood / heavy rainfall event recorded by sensor. Minor spiking issues throughout the month due to flood debris. Typical background levels ranged between 6-20NTU with a peak of 500NTU as a result of flood waters.
4	Southern Compliance Monitor. Major flood / heavy rainfall event recorded by sensor. Minor spiking issues throughout the month due to flood debris. Typical background levels ranged between 6-30NTU with a peak of 500NTU as a result of flood waters. Minor overnight sensor malfunction on the 25/2/20 rectified the next morning.
5	Tennyson Rd Water Quality Sampling. A water sample was collected from a major flood / heavy rainfall event on Friday the 7/2/20 however due to the extreme weather the sample could not be safely transported to the laboratory with sufficient time for the laboratory to undertake the analysis for pH within the 6-hour sample holding times (from time of collection). Further sampling was planned for the following week, which had significant rainfall totals forecast, however no additional rainfall events created runoff in the second part of February. A water sample collected on the 4/3/20 will be substituted for the February sample with a second March sample planned for late March pending rain.
6	NA2/3 Water Quality Sampling. Field parameters and samples collected for laboratory analysis at the sampling point indicate minimal differences between the waters of Kendall Bay and upstream (Majors Bay) and down-stream (Exile Bay) sample locations. Total Recoverable Hydrocarbons marginally above the laboratory detection limit were observed in the sample. However, BTEX and PAH hydrocarbon fractions were reported below the detection limit at the location and Validation Consultant consider the risk associated with these concentrations to be relatively low.
7	SA1 Water Quality Sampling. Field parameters and samples collected for laboratory analysis at the sampling point indicate minimal differences between the waters of Kendall Bay and upstream (Majors Bay) and down-stream (Exile Bay) sample locations.
8	Monitoring of potential odour generating remediation works performed in Kendall Bay in February confirmed no odour issues were identified and works were compliant.

Zero Water quality exceedances

Zero Air quality exceedances