

Quarterly Environmental Monitoring Comprehensive Summary

Quarter three, July – October 2022

The John Hunter Health and Innovation Precinct has commenced monthly environmental monitoring in line with the project conditions set out within the works contract. Below is a summary for quarter three for the four monitoring activities being undertaken at present on the project.

Dust

Dust at Four (4) locations were measured with dust deposition gauges at the John Hunter Health Precinct for the 3rd quarter from July – October 2022. Dust gauges are placed on the boundary of the site. The neighbouring sites are known to be health buildings. The work practices in these spaces are unknown regarding specifics. There is little to no potential for these businesses to have an impact on the results of the fallout dust.

Dust Sampling at gauges 1 & 2 from this sampling period complied with the recommended guidelines for dust fallout, dust sampling at gauge 3 & 4 exceeded the permitted monthly increase in dust fallout.

As result of the dust sampling, it was identified that gauge 3 had been removed and placed on the ground during the quarter which in turn provided false sampling. Gauge 3 has been established with current data complying with the recommended guidelines.

Gauge 4 is near the project haul road; additional control mitigation techniques have been implemented to ensure compliance with the guidelines. These include water cart usage, use of stabilised material, asphalt works and lower trafficable speed limits.

Noise

During the entire monitoring period there was periods of significant inclement weather with high winds on site. Measured construction noise levels were generally below the management levels stipulated by the NSW EPA. Where exceedances did occur, Multiplex reviewed the works during the period and determine appropriate mitigation measures to ensure future noise impacts are maintained appropriately. Current respite periods are being implemented in line with the project conditions.

Vibration

Measured vibration levels were generally compliant with the relevant vibration criteria detailed in Section 2.1. of the monthly report. Where exceedances did occur, Multiplex reviewed the works carried out during these dates and heavy construction activities were not completed. Monitoring of activities continues to ensure that future vibration impacts are appropriately managed and align with NSW EPA 'Assessing Vibration: Technical Guidelines'. There were no instances during the quarter which SMS notification was sent to Multiplex.

Water

Based on the analytical results including elevated turbidity at sampling locations 3, 4 and 5 due to recent and ongoing high rainfall experienced during the reporting period, erosion and sedimentation management measures have been reviewed in reference to Landcom (2004) Managing Urban Stormwater – Soils and Construction. The current site ERSED controls have been reviewed and monitored onsite periodically by an engaged independent environmental consultant.