

Project: John Hunter Health & Innovation Precinct Project

Application Number: SSD-9351535

Document: Quarterly Environmental Monitoring Comprehensive Summary

Period: Q2 – April 2024 to June 2024

In accordance with Condition A28 (a) (v) Multiplex Constructions (Multiplex) have prepared a comprehensive summary of the environmental monitoring results for the John Hunter Health & Innovation Precinct Project (the Project). Below is a summary for the Q2 2024 period for environmental monitoring activities being undertaken on the Project.

Dust

Dust monitoring at five (4) locations was measured with Site Hive Monitors (Hexanode Device) at the John Hunter Health Precinct for the Q1 (January – March) 2024 period. Dust gauges are placed on the boundary of the site. The neighbouring sites are predominantly known to be health buildings.

Dust sampling results recorded minor exceedances at some of the dust sampling locations, most exceedances being attributed to a rain event temporarily affecting the monitoring system. Dust control mitigation measures implemented in these locations remain ongoing to address this issue and ensure compliance with the guidelines. Control measures included increased usage of water carts to minimise airborne dust particles and reduce dust fallout. Additionally, the trafficable speed limits on-site remain lowered, and roads have been sealed to minimise dust dispersion caused by vehicle movement.

Construction Noise

Noise is monitored at (5) locations. These locations were selected because of the proximity to sensitive receivers including HMRI, Forensics Building, Newcastle Private Specialists Centre and Possum Place Childcare Centre. Measured construction noise levels were generally below the management levels stipulated by the NSW EPA. During the monitoring period, there were periods of significant inclement weather (rain and high winds) which caused exceedances in the monitoring equipment unrelated to construction activity, also the ongoing earthworks carried out by Fulton Hogan. Where exceedances did occur, Multiplex reviewed the works during the period and determined appropriate mitigation measures to ensure future noise impacts are maintained appropriately. Current respite periods are being implemented in line with the Project consent conditions.

Construction Vibration

Vibration monitoring is located at 10 positions. These locations were selected because of the proximity to sensitive receivers including HMRI, Forensics Building, John Hunter Hospital (External)1, John Hunter Hospital (External)2, John Hunter Hospital (Internal), Research Support Unit, New Lift, P4 Northern Boundary and Possum Place Childcare Centre. Measured construction vibration levels were generally compliant with the relevant vibration criteria for the Project. Where exceedances did occur, Multiplex reviewed the works carried out during these exceedance dates and found that heavy construction activities were not completed during this time. Monitoring of construction activities continues to ensure that future construction vibration impacts are appropriately managed and aligned with NSW EPA 'Assessing Vibration: Technical Guidelines'.