



Union Hill Heritage Feature Monitoring Report


2021

WAI-200-REP-008

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APPROVALS

OGC Designation	Name	Signature	Date
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1 Summary

- Trio mining activity has been in abeyance since 27 Feb 2020. As such, no visual inspections, surveys, or condition reports have been conducted or generated.
- The Union Hill Heritage Features Monitoring Plan will reactivate if Trio production blasting is reinitiated, a blast-related 10mm/s at the Vent Shaft monitor occurs, or a blast-related extensometer trigger occurs.

2 Background

Heritage feature monitoring of the CN Tanks and Ore Kilns is required in accordance with the Heritage Items Monitoring Plan and Condition 19 of Resource Consent RC-15774.

Production blasting in the Trio area has been in abeyance since 28 February 2020. As such, the Union Hill Heritage Features Monitoring Plan has been deactivated, unless blasting in Trio recommences.

Extensometer monitoring is to continue until such a time HDC is satisfied that Correnso mining operations are not having an adverse effect on the heritage items.

3 Trio blast results

No blasting has occurred in the Trio area during the reporting period.

Vibration monitors were unable to be calibrated during 2021 due to the Covid-19 pandemic limiting travel and freight between New Zealand and Australia, where the monitors are calibrated annually. Calibrated monitors from the Trio monitoring network were therefore removed to ensure calibrated monitors in active mining areas were in place. As such, no monitoring results are available from Trio vibration monitors, accelerometers or extensometers for the period. However, the highest level of vibration recorded on the Correnso monitoring network during 2021 was 4.88 mm/s, recorded at the Main Central monitor on 13 January 2021. A historical comparison of Correnso and Trio data suggests this blast, and all other blasts undertaken in Correnso during the period would not have caused any trigger exceedances of Trio vibration monitors, accelerometers or extensometers.

The Trio vibration monitor and extensometer network will be reinstated during 2022.

There are no further results from monitors for vibration, accelerometer or extensometer to report.