

**HAURAKI DISTRICT COUNCIL LAND USE CONSENT FOR THE
SLEVIN UNDERGROUND PROJECT AREA (SUPA) PROJECT 202.2016.00000544.001**

Issued 21 October 2015 (subsequently amended via RMA s127 on 20 July 2017, 22 January 2020 & 15 February 2022)

General

- 1 The activities authorised by this consent shall be carried out in general accordance with the plans and information submitted in the application dated 17 August 2016, and the applications to change consent conditions dated 29 June 2017, 10 September 2019 and 17 June 2021, but as amended by the conditions set out below. For the avoidance of doubt, the activities described in condition 3a) are limited to the area denoted "Slevin Underground Project Area" (SUPA) in the attached Figure 1.

For the purposes of this consent, the reference to the "Slevin Underground Mine" refers to any mining within the SUPA. The reference to the "Correnso Underground Mine" refers to any mining within the "Correnso Extensions Potential Project Area" (CEPPA) in Figure 1 attached to this consent.

- 2 This consent shall be exercised in accordance with the additional licences and consents identified in Schedule A of this consent as amended from time to time.
- 3 The land use activities permitted under this consent for all activities and facilities relating to the Slevin Underground Mine, being underground mining through to the rehabilitation of the land and final mine closure, include the following:

a) Within SUPA, as identified in Figure 1:

- i) Construction of access drives, declines and inclines, and underground ventilation and service shafts.
- ii) Drilling and blasting.
- iii) Underground mining.
- iv) Removal of waste rock and ore.
- v) Rehabilitation activities, including backfilling with waste rock and cemented aggregate fill.
- vi) On-going underground exploration of the ore bodies by drives and I or drilling.
- vii) The use of hazardous substances
- viii) Any other ancillary activities associated with the above.

b) Outside SUPA:

- i) Use of existing facilities and infrastructure provided for under Rules 5.17.4.1 P1 and P2 of the Hauraki District Plan, and the Favona, Trio and Correnso and Project Martha land use consents referenced in Condition 2 above and identified in Schedule A of this consent.
 - ii) Any other ancillary activities associated with the above.
- 4 The consent holder shall at least two weeks before the first exercise of this consent, advise the Group Manager, Planning and Environmental Services, Hauraki District Council ("Council"), in writing, of the date upon which the exercise of this consent is to physically commence.

Annual Work Programme

- 5 The consent holder shall, within 1 year of the date of notice given under Condition 4 and every year thereafter, prepare and submit to the Council for information purposes an Annual Work Programme for the following year's work.
- 6 The Annual Work Programme shall, amongst other matters:
 - a) Clearly demonstrate that all proposed workings are within SUPA; and
 - b) Set out the timing and intended location of proposed extraction within the ore bodies.

Blasting and Vibration

7 Ground Vibration

All blast events shall comply with the vibration levels, numbers of events and durations specified in Condition 8.

8 Impulsive Vibration from Blasting

The activity shall comply with the following standard as measured at the boundary of any Residentially or low density residentially zoned site or the notional boundary of any occupied rural dwelling not owned by the consent holder (or related company) or not subject to an agreement with the consent holder (or related company) .

In the event that a property is sold and is not subject to an agreement between the consent holder (or related company) and the purchaser or related company, or in the event that there is no longer an agreement between the consent holder and the landowner, the measurement of vibration shall revert to being on or close to the boundary of that residentially or low- density residentially zoned site or the notional boundary of the occupied rural dwelling.

- a) There shall be no more than three blast events per day, from Monday to Saturday and between 0700 and 2000 (excluding any blasts for maintenance/safety purposes).
- b) No blasting shall be undertaken at night (2000 to 0700 the following day), on Sundays or on public holidays (excluding any blasts for maintenance/safety purposes).
- c) The peak particle velocity (vector sum) shall be no more than:
 - i) For development blasts;
 - 9 5mm/s for 95% of the monitored events.
 - 10 2mm/s on average.
 - ii) For production blasts;
 - 5mm/s for 95% of the monitored events.
 - 3mm/s on average.
 - iii) For Maintenance/safety blasts:
 - 1.0mm/s for all blast events.
- d) Compliance with the 95% and average limits shall be measured over a six-month rolling period.
- e) Compliance with the 95-percentile limit shall be determined separately for development blast events and for production blast events, and based on the highest recorded vibration for each blast event measured at any monitor, where the blast type is assigned on a monitor-by-monitor basis according to the blast with the minimum scaled distance from each monitor.

- f) Compliance with the average limit shall be determined separately for each blast monitor based on the total number of blast events in the six-month rolling period.
- g) For all blast events, including those involving a combination of production and development blasts (95% compliance);
 - i) Production blasts shall have a total duration of not more than 9 seconds;
 - ii) Development blasts shall have a total duration of not more than 12 seconds;
 - iii) A combination of production and development blasts shall have a duration of not more than 12 seconds.
 - iv) Maintenance/safety blasts shall have a total duration of not more than 2 seconds, other than for maintenance to retain tunnels, shafts and accessways in SUPA.
- h) No blast event shall have a duration of more than 18 seconds.
- i) Duration is to be calculated as the time from the nominal firing time of the first charge to the nominal firing time of the last charge.
- j) A 'Blast Event' is defined as:
'An individual or number of linked individual blasts of not more than the total duration periods specified above.'
- k) A 'Development Blast' is defined as:
'Any blast with a maximum instantaneous charge weight per hole of no more than 7 kilograms of explosive.'
- l) A 'Production Blast' is defined as:
'Any blast in which a single hole contains a maximum instantaneous charge weight of more than 7 kilograms of explosive.' Slot blasts are deemed to be Production Blasts for the purpose of this definition.
- m) A 'Maintenance/Safety Blast' is defined as:
'Blasts for maintenance/safety purposes include breaking over-sized rocks, trimming/slashing of backs, walls and floors, firing of mis-fired explosives and removal of bridged stopes.'

Advice Note:

There should be no more than three development/production blast events per day from within all of the underground mines operated by the consent holder combined in the area covered by Mining Permit 41808.

9 Minimisation and Mitigation of Blasting Impacts

- a) In addition to complying with the requirements of Condition 8, the consent holder shall minimise, to the extent practicable, the impacts of blasting vibrations for the Community. The measures to be applied in this regard shall be set out in the Vibration Management Plan (Condition 11) and will include details of how the following requirements will be achieved to the greatest extent practicable:
 - i) Restrict the duration of blast events to the minimum consistent with safe and efficient mining operations;
 - ii) Fire the production blasts within the 1 pm meal break;
 - iii) Fire the three defined daily blast windows at shift changes and meal breaks;
 - iv) Implement timely blast notification procedures;

- v) Report blast vibration results in a timely manner.
- b) While blasting is occurring as provided for by this consent, the consent holder shall also continue to implement the Amenity Effect Programme (AEP) in respect of vibration as set out below provided that owners and/or tenants who have entered into a separate arrangement with the consent holder and/or have otherwise agreed not to receive the AEP will not be eligible to receive AEP payments under this condition.
- c) The consent holder shall use the recorded data from the vibration compliance monitoring network to estimate the vibration received at occupied residences from blasting within the Slevin Underground Mine, and shall make payments to the occupiers of those residences in accordance with the table and criteria below:

Table: AEP Payment Schedule

Vibration Magnitude (mm/s)	Payment per Blast Event (\$)
≥1.5	18.68
≥3.5	55.92
≥5	186.75
≥6	371.69

- d) The stated payment rates are those existing at 1 January 2013. The rates will be adjusted for the start of each calendar year by the Consumer Price Index (CPI) published by Statistics New Zealand and made publicly available on the consent holder's website.
- e) An occupied residence shall be eligible to receive AEP payments if it receives 2 or more blast events generating vibration of 1.5mm/s or greater in any month.
- f) The AEP does not apply to any unoccupied houses or undeveloped residential property.
- g) Occupiers of eligible residences shall receive a minimum payment of \$250 per six monthly period.
- h) Payments to occupiers of eligible residences shall be calculated six-monthly, and payment made within two months or as soon as practicable thereafter.
- i) Should AEP payments become taxable, the consent holder shall not be liable for any taxes associated with the payments. Nor shall the consent holder be liable for any future changes to national superannuation or other benefits as a result of an eligible occupier receiving the AEP payments required under this consent.

Advice Note:

For the purposes of determining AEP payments the AEP payments will be based on the recorded vibration data from CEPPA, SUPA and the Martha Underground Mine combined.

- 10 Where blast events provided under this consent occur simultaneously with blast events Underground Mines or other operated by the consent holder and set out in Condition 2 above, or the Martha Mine, the consent holder shall ensure that such blast events comply with the maximum ground vibration level limits specified in Condition 8 of this consent.

11 Vibration Management Plan

The consent holder shall prepare a Vibration Management Plan for written approval by the Council. The objective of the Plan is to provide detail on how compliance with vibration consent Conditions 7 to 14 and 42 will be achieved for the duration of this consent. This Plan shall be submitted to the Council at least 2 weeks prior to the exercise of this consent and the consent shall not be exercised until the Vibration Management Plan has been approved by the Council. The Vibration Management Plan may be reviewed and amended from time to time, subject to the certification of the Council but not in a manner inconsistent with these conditions. If certification is

not provided within 30 working days of Council's receipt of the Vibration Management Plan blasting authorised by this consent may commence.

The Plan shall specifically include the following:

- a) Measures to be adopted to meet the conditions of this consent to ensure that blast vibrations for both development and production blasts are minimised to the greatest extent practicable, including;
 - i) Description of the blast design criteria and blast design review procedures. All blasts shall be designed to a 95% level of confidence to achieve the vibration levels specified in Condition 8 and the requirements of Condition 9a).
 - ii) The numbers, times (generally around shift changeovers), duration of blast events, and in general terms the coordination of development and production blasts into one blast event and steps to minimise the duration of blast events.
 - iii) Procedures to be adopted where vibration levels approach the maximum permitted levels and mitigation actions to be implemented in the event of an exceedance of the limits stated in Condition 8.
 - iv) The methods and procedures to be adopted to enable the separate recording and reporting of development and slot I production blasting.
 - v) The methods and procedures to be adopted in deploying the roving monitor(s), data usage from the roving monitors, procedures for converting a roving monitor location to a fixed monitoring location, and identifying circumstances where vibration monitoring within structures shall be considered. Any monitoring undertaken by roving monitors or within structures is deemed not to be compliance monitoring.
 - vi) The methods and procedures for identifying and addressing anomalous vibration results recorded at any monitored site, including sites monitored with roving monitors.
- b) Further detail on the Amenity Effect Programme as required under Condition 9b).
- c) The location of fixed monitoring locations to be established in accordance with Condition 12d).
- d) Records to be kept, including blast design data.

Advice note:

The Vibration Management Plan may be prepared in conjunction with the Vibration Management Plans prepared in accordance with the consent requirements applying to other mines in the Waihi area.

12 Blasting and Vibration Monitoring

- a) The consent holder shall monitor impulsive vibration from all blast events associated with the mining provided for under this consent.
- b) The monitoring system shall be automated to allow for the prompt analysis of each blast event.
- c) Suitably trained personnel shall conduct any monitoring required under this consent, including the installation of roving monitors. Equipment used for monitoring, equipment calibration and vibration measurement procedures shall comply with the current Australian Standard AS2187.2 (or equivalent international standards) and equipment manufacturers' recommendations.
- d) Unless otherwise required or confirmed in writing by the Council, the fixed monitoring locations for the Slevin Underground Mine shall be those shown in Figure 2. These monitoring

locations pertain to the Slevin ore body and will need to be reviewed if the operations move to new areas.

- e) The fixed monitoring locations shall not be on or inside a building or structure.
- f) Pursuant to condition 12(d), data received from a roving monitor may identify a new or additional permanent monitoring location.
- g) A roving monitor shall be deployed to record vibrations in locations where complaints regarding vibration have been made in accordance with a procedure specified in the approved Vibration Management Plan required under Condition 11.
- h) A complete record of each blast event shall be maintained. The record shall include:
 - i) Types of measurement instrument used.
 - ii) Time and duration of blast event.
 - iii) Locations of blasts.
 - iv) Locations of monitoring positions.
 - v) Distances from the blasts to the monitoring position and nearest residence.
 - vi) Measured vibration levels.
 - vii) Total amount of explosive used.
 - viii) Delay sequence of the blast event.
 - ix) Maximum instantaneous charge.
 - x) Volume of rock blasted.
 - xi) Complaints (including the nature of effects, for example rattling window, was the complainant awoken) and whether the vibration mitigation action process has been undertaken (Condition 14 c))
 - xii) Design criteria not covered in items (i) to (xi) above.

Advice note:

While this condition relates only to the monitoring of blast vibration associated with the mining activities provided for under this consent, similar conditions apply to all of the consent holder's other mining operations and require the consent holder to monitor blast vibrations from all of its mining activities.

13 Property Damage

- a) Upon receipt of a complaint of property damage suspected by the property owner to be caused from activities authorised by this consent, an appropriately qualified staff member of the consent holder shall investigate and respond to the complaint within five business days or as soon thereafter as practicable unless the matter is considered urgent.

If the property owner does not agree with advice from the consent holder's representative the consent holder may, or if the cause of the damage is unclear the consent holder shall, engage an appropriately qualified independent third party to investigate and report to both the property owner and consent holder. The consent holder shall request that report to be available in 30 days unless considered urgent by the independent third party in which case the report shall be made available as soon as practicable. If the property owner does not agree with the advice and the consent holder does not engage a third party then the property

owner may contact the Council, and if the Council determines, after investigation, that a third party investigation is warranted then the consent holder shall commission and meet the reasonable costs of that investigation.

If the advice of the independent third party or the consent holder's representative determines that the cause of the damage is attributable to activities authorised by this consent then the consent holder will remedy the damage at its cost as soon as practicable in accordance with any recommendation made by the third party and to the reasonable satisfaction of the resident.

If any dispute arises in accordance with this condition, then the matter shall be referred to arbitration in accordance with the provisions of the Arbitration Act 1996. An arbitrator shall be appointed by the President of the Institute of Professional Engineers in New Zealand. The arbitrator shall give their determination within 30 working days of their appointment, unless the consent holder and the property owner agree that time shall be extended. In all other respects, the provisions of the Arbitration Act 1996 shall apply. If the property owner chooses not to participate in the binding arbitration, then the consent holder's obligations under this condition are at an end.

14 Management and Reporting

- a) Throughout the period of mining provided for under this consent, at the start of each calendar month the consent holder shall prepare a two-dimensional plan showing the existing mining and the proposed areas of mining activities during that month. The plan shall be loaded onto a page of the consent holder's website. A downloadable pdf version of the plan shall be available from the web page and hard copies shall be available for collection from the Waihi Information Centre and the Hauraki District Council Waihi Service Centre, and on request.

The consent holder shall use its best endeavours to restrict its blasting to the work areas defined on the plan recognising that operational constraints prevail and may lead to deviations from the plan during the course of the month.

- b) No blasting operations shall be carried out without the written approval of the Mine Manager. Before blasting commences, the Mine Manager shall ensure that the operations will not cause danger, damage or undue discomfort to any person nor danger and damage to property.
- c) In the event that blast monitoring shows that the vibration standards have been exceeded, the consent holder shall implement mitigation actions to ensure compliance. Possible mitigation actions include but are not limited to:
- i) Limiting the rate of excavation advance.
 - ii) Reducing the blast hole diameter.
 - iii) Reducing the weight of explosive in the blast hole.
 - iv) Using alternative explosive types.
 - v) Using electronic delays to adjust sequencing.
 - vi) Decking.
 - vii) Changing the blast pattern.
 - viii) Drilling and blasting in two passes.
 - ix) Changing the method of mining.
- d) The consent holder shall provide a report to Council for each blast event where the measured vibration exceeds the applicable peak particle velocity specified in Condition 8. The reports

shall be submitted within five (5) days after the blast event and include the records listed in Condition 12 h) above and mitigation actions taken to limit subsequent blast vibrations to the maximum limits or less as generally outlined in Condition 14 c).

- e) The consent holder shall establish a page on its website that will show the recorded vibration magnitude for the last ten blast events for each of the compliance monitoring required under Condition 12. The results of the most recent blast event will:
 - i) be posted on the consent holder's web page as soon as practicable after the occurrence of that blast event; and
 - ii) remain provisional until they are verified
- f) The consent holder shall provide a summary report to Council at three (3) monthly intervals after the first exercise of this consent as provided for by condition 4. The report shall include the following:
 - i) Confirmation of actions taken during the previous reporting period.
 - ii) All vibration related complaints received during the current reporting period and mitigation actions taken by the consent holder.
 - iii) Results of vibration monitoring separately for underground maintenance/safety, development and production blasts.
 - iv) All roving monitor data results recorded during the quarter.
- g) Monitoring records, reports and complaint schedules shall be stored securely and maintained in a systematic manner for 12 months after completion of all blasting at the underground mine. Records shall be available for perusal by Council and its representatives on request.

Surface Stability

- 15 Underground mining within the Slevin Underground Mine shall be conducted to ensure ground surface stability. This shall include adoption of the following measures:
- a) Mining methods shall be restricted to those that require stope voids created or enlarged as a result of this consent to be backfilled.
 - b) Historical open voids formed from caving or stoping shall be identified to be backfilled to ensure that these do not cause localised disturbance or displacement as a result of interaction with future stoping. This is to ensure short term and long-term stability;
 - c) No stoping shall occur above whichever of the following criteria sets the lower (deeper) level:
 - i) A depth of at least 130m below the ground surface.
 - ii) A depth of at least 40m below the top of the andesite, unless geotechnical investigations reported to the Council demonstrate to its satisfaction that a greater or lesser depth is appropriate to ensure surface stability.
 - d) Backfilling of any other underground workings that overlap with the Slevin Underground Mine where geotechnical conditions require backfilling to ensure long-term stability.
 - e) Seismic monitoring and rock movement monitoring of underground mine workings for the duration of mining including backfilling and any other underground rehabilitation work.
 - f) Grouting of all future surface-drilled holes to a depth below the top of the andesite.

- 16 Prior to the first exercise of this consent as provided for by condition 4, the consent holder shall

provide to the Council for its certification a Void Management Plan. The objective of this Plan is to confirm the location and shape of old unfilled and filled mine voids potentially affected by the activities authorised by this consent, and to identify the risks and controls required to ensure ground surface stability. The Plan will include, but will not be limited to:

- a) Proposed remnant mining methods;
- b) The procedures/methods for the backfilling of stope voids (including historic stopes);
- c) Modelling;
- d) Probe drilling;
- e) Monitoring and operating procedures;
- f) Specifications for construction and placement of stope pillars where required;
- g) The conducting of sufficient investigations to develop an adequate understanding of the ground conditions, and verify the location, status and extent of historical mine workings; and
- h) Reviewing the information from the investigations and adjust the mine design and stope design to ensure that there is a high level of confidence that the stopes will be stable prior to backfilling and in the long term.
- i) The information required by Condition 18 of this resource consent

The consent holder shall review and update the Plan as necessary including whenever there is any change to the methods or procedures used for void detection monitoring or operating procedures and shall provide the updated Plan to the Council for certification.

- 17 The Void Management Plan shall include a procedure describing preventative and mitigation actions that would be implemented to ensure that the mining provided for under this consent does not drain the strata overlying the andesite via existing drillholes and structures. Preventative and mitigation actions may include:
- a) Avoiding intercepting the drillholes with mine workings;
 - b) Grouting drillholes from underground where underground development intercepts holes that are making water or geological defects with significant and sustained water flows;
 - c) Undertaking geotechnical investigations to demonstrate to the satisfaction of Council that draining of the drillhole(s) will not adversely affect surface stability.
- 18 The consent holder shall provide to the Council an annual report (within one month of the anniversary date established by condition 4 or as otherwise agreed in writing by the Council):
- a) Describing the location, depth height and volume (m³) of stopes; and a summary of the data required by Condition 20 regarding unfilled stope voids; and
 - b) Describing the lengths of development that, due to the encountered geotechnical conditions or where multiple levels overlap, will require backfilling prior to mine closure; and
 - c) Describing the backfilling and compaction associated with each stope; and
 - d) Describing the ground conditions revealed by the mine excavations; and
 - e) Describing the monitoring and measures adopted to ensure ground surface stability, particularly as provided for in Condition 15 and the outcomes of such measures; and
 - f) Describing the location and depth of exploratory drives;

- g) Confirming that the extent of the mining works is confined to SUPA, as defined in Figure 1.

These reports may be prepared in conjunction with similar reports prepared in accordance with the consent requirements applying to the consent holder's other mines in the Waihi area.

19 Reporting on Filled/Unfilled Stopes and Seismic Monitoring

- a) The consent holder shall report to the Council on a monthly basis on the total stope volume and volume of filled stopes for that month for each mining method employed. This shall include volume of voids created, the volume of fill in voids that have been created and the volume of fill in surveyed unfilled historic voids. The report shall be in a form acceptable to the Council and the data shall be for the situation as at the 20th day of the reporting month. The report shall be delivered no later than 10 working days after the end of the calendar month covered.
- b) The consent holder shall report to the Council on a monthly basis detailing any anomalous results from the seismic monitoring and rock movement monitoring required by Condition 15. The report shall be delivered on or before the end of the calendar month covered.

These reports may be prepared in conjunction with similar reports prepared in accordance with the consent requirements applying to the consent holder's other mines in the Waihi area.

Dewatering and Settlement Monitoring Plan

- 20 The objectives of the groundwater and settlement management system shall be to ensure that dewatering operations do not give rise to surface instability and differential settlement beyond that authorised by this consent.
- 21 Within 2 months of the exercise of this consent, the consent holder shall prepare, and submit to the Council for its written approval, a Dewatering and Settlement Monitoring Plan. The purpose of this Plan is to monitor and assess the effects of the activities on land settlement and the groundwater hydraulic regime, and also to detail the contingency measures that will be actioned should groundwater or surface settlement triggers be exceeded.
- 22 The Plan shall, as a minimum, provide an overall description of the groundwater and settlement monitoring system and the measures to be adopted, including contingency measures, to meet the objectives of the groundwater and settlement management system set out in Condition 21.

The monitoring regime shall be designed to assess the effects of:

- a) Dewatering on the regional groundwater system; and
- b) Dewatering on settlement.
- 23 Monitoring locations are to provide appropriate resolution of groundwater levels and surface tilt relative to the scale of surface infrastructure, particularly in the areas above and adjacent to the mining activities provided for in this consent. Final details are to be agreed with the Council. The Plan shall also provide settlement trigger limits that will initiate the implementation of contingency mitigation and/or monitoring measures and shall detail any linkages with the Martha pit operation.
- 24 The exercise of this consent shall be in accordance with the Plan as approved by the Council. The Plan shall be reviewed and updated as necessary by the consent holder. Any updated Plan shall be promptly forwarded to the Council for written certification and following certification, the updated Plan shall be implemented in place of the previous version.
- 25 In the event that a tilt greater than 1 in 1000 occurs between any two network monitoring locations installed in accordance with the Dewatering and Settlement Monitoring Plan required pursuant to Condition 22 of this consent, or there is a significant variance from the predicted settlement rates, the consent holder shall notify the Hauraki District and Waikato Regional Councils in writing, within 20 working days of receiving the results of the monitoring. The consent

holder shall then:

- a) Explain the cause of the non-conformance;
- b) Propose appropriate settlement contingency measures to the Councils and the timing of implementation thereof by the consent holder;
- c) Implement settlement contingency measures as appropriate within the agreed time limit;
- d) Advise the Councils on the steps the consent holder proposes to take in order to prevent any further occurrence of the situation.

- 26 The consent holder shall as a matter of urgency, advise the Council of any significant anomalies identified by the regular (monthly) reading of groundwater levels in the piezometer network. Such advice is to include an explanation of the anomalous results and actions proposed to address any issues identified. This report is to be provided to the Council within 10 working days of the anomalous results being identified.

A "significant anomaly" is defined as 15m or more offset occurring in piezometer recordings over a 1 month period.

- 27 In the event of any conflict or inconsistency between the conditions of this consent and the provisions of the Dewatering and Settlement Monitoring Plan, then the conditions of this consent shall prevail.

Advice notes:

1. The Dewatering and Settlement Monitoring Plan shall be consistent with the Dewatering and Settlement Monitoring Plan prepared as a condition of the ground dewatering consent (RC 124860) granted by the Waikato Regional Council and may be prepared in conjunction with similar plans prepared in accordance with the consent conditions applying to the Martha, Favona, Trio and CEPPA projects.
2. The monitoring undertaken in terms of the Dewatering and Settlement Monitoring Plan may need to be continued for a period beyond the term of this consent depending on recharge of the groundwater following cessation of underground mining activities and the filling of the Martha Pit.

Dewatering and Settlement Monitoring Report

- 28 The consent holder shall provide to the Council an annual Dewatering and Settlement Monitoring Report. The Report shall, as a minimum, provide the following information:
- a) The volume of groundwater abstracted;
 - b) The data from monitoring undertaken during the previous year, including groundwater contour plans (derived from the data) in respect of the piezometer network;
 - c) An interpretation and analysis of the monitoring data, in particular any change in the groundwater profile over the previous year, predictions of future impacts that may arise as a result of any trends that have been identified including review of the predicted post closure effects based on actual monitoring data, and what contingency actions, if any, the consent holder proposes to take in response to those predictions. This analysis shall be undertaken by a party appropriately experienced and qualified to assess the information;
 - d) Any contingency actions that may have been taken during the year; and
 - e) Comment on compliance with Conditions 21 to 28 of this consent including any reasons for non-compliance or difficulties in achieving conformance with the conditions of consent.

The report shall be forwarded in a form acceptable to the Council.

Hazardous Substances

- 29 All hazardous substances are to be stored in approved and bunded containment in accordance with the relevant New Zealand Standards and Codes of Practice and the Hazardous Substances and New Organisms Act 1996 and regulations. A Hazardous Substances Use and Management Plan setting out details of the substances used/stored, containment measures, risk management and emergency response approach shall be submitted to the Council for certification prior to the use of any hazardous substances depot(s) authorised as part of this consent

Hours of Work

- 30 Activities may take place 24 hours per day 7 days per week where not otherwise constrained by any other consent conditions.

Community Meeting

- 31 Within one month of, the first exercise of this consent as provided for by condition 4, the consent holder shall hold a consultation meeting open to the public. Following this initial consultation meeting, consultation meetings shall be held at 6 monthly intervals as a minimum. The meeting shall be chaired by an independent chairperson, whom will be paid for by the consent holder and approved by the Council. The purpose of the meeting shall be to
- a) Present information from the preceding six months on the following:
 - i) A description of the mining activities provided for under this consent that have been undertaken;
 - ii) A summary of relevant environmental monitoring results;
 - iii) Progress on any matters raised at the preceding meeting.
 - b) Receive feedback from the meeting attendees on the consent holder's activities and progress on the matters listed above.

Advice Note:

The consultation meeting may be undertaken in conjunction with the community meeting required in accordance with the consent requirements applying to the consent holder's other mines in the Waihi area.

Recognition of tangata whenua values

32 Cultural Awareness Programme

- a) The consent holder shall ensure that a Cultural Awareness Programme (Cultural Programme) is provided to all of the consent holder's staff and full time contractors working at the Waihi operations as soon as practicable after commencement of this consent. The Cultural Programme shall be provided on a six-monthly basis thereafter for the duration of the consent so as to ensure that any new staff members or any new full time contractors that have commenced working on the Slevin Underground Mine in the previous six month period receive the benefit of the Cultural Programme.
- b) The Cultural Programme shall be prepared and delivered by tangata whenua who have a particular interest in the Waihi area in conjunction with the consent holder. The consent holder shall be solely responsible for all reasonable costs associated with the preparation and delivery of the Cultural Programme. The consent holder shall keep a record of when the Cultural Programme has been delivered to its staff, and which staff members have attended the Cultural Programme. This record shall be made available to the Council at the same time as the report required by condition 34 b).

33 Cultural Balance Plan

- a) The consent holder shall, in consultation and collaboration with tangata whenua who have a particular interest in the Waihi area, engage an appropriately experienced consultant or group to prepare a Cultural Balance Plan specific to the consent holder's operations in Waihi.

The purpose of the Cultural Balance Plan is to achieve the restoration and/or enhancement of the mauri of Pukewa and the surrounding land forms as well as focus on Tuna habitat and abundance in the Ohinemuri River Catchment. The Cultural Balance Plan will seek to achieve these objectives by providing a framework for a collaborative approach with the consent holder and tangata whenua on shared understandings, build and ensure effective collaborative relationships and build support for kaitiaki capacity.

The content of the Cultural Balance Plan shall be agreed between the consent holder and tangata whenua and will include but not be limited to:

- i) A statement of the issues in regard to which cultural balance needs to be restored;
- ii) A description of the area to which the plan relates;
- iii) Recommendations and solutions to enhance tuna habitat and abundance in the area;
- iv) Consideration of options that may avoid the need for active water treatment of the pit lake;
- v) Recommendations to support kaitiaki capacity;
- vi) Roles of other parties in achievement of the goals of the Cultural Balance Plan; and
- vii) A programme for achievement of measures identified.

The Cultural Balance Plan shall be provided to the Councils by 27th July 2020, or as otherwise agreed with the Councils. In the event that tangata whenua with a particular interest in the Waihi area choose not to actively participate in the preparation of the Cultural Balance Plan, the consent holder and participating tangata whenua may continue to proceed with the preparation of the Plan so that it is able to be finalised and provided to the Councils by the date specified above.

- b) On each anniversary of the completion of the Cultural Balance Plan, the consent holder in consultation with the Iwi Advisory Group shall prepare and provide an annual report detailing the activities undertaken during the preceding year and progress made against the objectives and outcomes of the Plan. This report shall be provided to those tangata whenua with a particular interest in the Waihi area and shall also be provided to the Councils.

Advice Note:

The objective of this condition is the development and implementation of a plan which is similar to the "Tui Mine Cultural Monitoring Plan 2012-207" developed by the Iwi Advisory Group, Tui Mine Remediation Group, but which is appropriate to the particular circumstances of the consent holder's operations at Waihi.

34 Iwi Advisory Group

- a) Upon the first exercise of this consent, and at six-monthly intervals thereafter, the consent holder shall invite representatives of those tangata whenua with a particular interest in the Waihi area and the Councils, to attend a meeting. The costs associated with the venue for the meeting, and any associated catering costs, will be met by the consent holder. The purpose of the meeting is to provide a forum at which any of the attendees can raise any matters of concern to them, and the consent holder can update the attendees on its activities within the prior six months. In that regard, the consent holder shall present a summary of:
- i) the mining activities undertaken;
 - ii) progress with the implementation of the Cultural Awareness Programme and the Cultural

Balance Plan;

- iii) a summary of relevant environmental monitoring results; and
- iv) progress on any matters raised at any preceding meeting that required follow up by the consent holder.

Advice note for Conditions 33 to 35:

These conditions are included in response to issues raised by Te Kupenga o Ngati Hako Inc. in the appeal process for the consent application for the Correnso Underground Mine. Other tangata whenua who have a particular interest in the Waihi area may participate if they wish to be involved in the processes described in Conditions 33 to 35.

These conditions may be implemented in conjunction with equivalent consent conditions applying to the Correnso underground Mine.

Rehabilitation

35 The consent holder shall prepare a Rehabilitation Plan (Plan) covering all areas that may be affected by the construction and use of workings associated with the Slevin Underground Mine. This plan shall be submitted to Waikato Regional Council and Hauraki District Council for written approval prior to the commencement of the Slevin Underground Mine.

a) The Plan shall be in two parts:

- i) Part A shall describe the programme of progressive rehabilitation (including backfilling) that is proposed for the site(s) for the following twelve months, should closure not be proposed during that period; and shall report on any such works undertaken during the previous year.

b) Part B shall:

- i) Describe the proposed method of rehabilitation and closure should closure occur within the following 12 months;
- ii) Include an assessment of any residual risk that the site(s) would pose to the environment and the neighbouring community should closure occur within the following 12 months; and
- iii) Include a programme for monitoring of the site(s) following closure, and list all maintenance works likely to be necessary at the closed site(s) for the foreseeable future.

c) The consent holder shall implement Part A of the approved Plan and shall implement Part B of the approved Plan in the event of closure occurring.

Plan Review

36 The Plan shall be reviewed and updated annually and the concepts shall be described in more detail as appropriate.

37 The consent holder shall submit the Plan, and each annual review and update thereof, to the Peer Review Panel (as required by the Martha Extended Project) for its review.

38 The consent holder shall then submit the peer reviewed Plan to Hauraki District Council and Waikato Regional Council for certification.

39 The Rehabilitation Plan may also include any other information that the consent holder wishes, and may be combined with the Rehabilitation Plan(s) prepared in accordance with the consent conditions applying to other mines in the Waihi area that are operated by the consent holder.

Liaison Officer

- 40 At least 1 month prior to exercising this consent as provided for by condition 4, the consent holder shall appoint a person (the "Liaison Officer"), and any replacement person subject to the approval of the Hauraki District Council and the Waikato Regional Council (the "Councils"), to liaise between the consent holder, the community and the Councils. The Liaison Officer shall have sufficient delegated power to be able to deal immediately with complaints received and shall be required to investigate those complaints as soon as possible after receipt. The Liaison Officer shall be appointed for the duration of activities associated with this consent. The name of the Liaison Officer together with the contact phone numbers for that person shall be publicly notified in local newspapers by the consent holder prior to the exercising of this consent as provided for by condition 4 and at least once a year thereafter.

The Liaison Officer may be the same Company Liaison Officer as appointed in accordance with consents for the Martha Open Pit, Favona, Trio, Correnso and Martha Underground mines.

Complaints Procedure

- 41 The consent holder shall deploy a roving monitor in response to complaints as required by Condition 12g). The data recorded by the monitor shall be made available to the Council on request.
- 42 The consent holder shall maintain and keep a complaints register for any complaints received from the community. As a minimum, the register shall record, where this information is available, the following:
- a) The date, time, and details of the incident that has resulted in a complaint.
 - b) The location of the complainant when the incident was detected.
 - c) The possible cause of the incident.
 - d) Any corrective action taken by the consent holder in response to the complaint, including timing of that corrective action.
 - e) Communication with the complainant in response to the complaint.
- 43 The complaints register shall be made available to the Council on request and relevant aspects shall be reported to Council in the 3 monthly vibration monitoring summary reports (refer Condition 14f).
- 44 Prior to giving notice under Condition 4, the consent holder shall engage a suitably qualified professional to review the consent holder's complaints procedure. Any new complaints procedure shall be communicated to the public at the first available meeting required under Condition 32 (consultation meeting), and feedback shall be sought from the attendees. The consent holder shall consider all feedback received, and if the consent holder and the qualified expert consider that feedback appropriate, the consent holder shall amend the complaints procedure as soon as practicable after that meeting. Amendments to the complaints procedure shall be presented to the community at the next consultation meeting.

Term and Lapse Period

- 45 This consent will expire on 20 December 2025.
- 46 This consent lapses unless given effect to 5 years after the commencement of this consent under Section 116 of the Resource Management Act 1991.

Bond

- 47 Unless otherwise agreed in writing by Hauraki District Council and the Waikato Regional Council,

the consent holder shall provide and maintain in favour of the Councils a rehabilitation Bond(s) to:

- a) Secure compliance with the conditions of this consent and to enable any adverse effects on the environment resulting from the consent holder's activities and not authorised by a resource consent to be avoided, remedied, or mitigated;
- b) Secure the completion of rehabilitation and closure of the activities authorised by this consent in accordance with the Rehabilitation Plan approved by the Councils; and
- c) Ensure the performance of any monitoring obligations of the consent holder under this consent.

48 The bond(s) shall be in a form approved by the Councils and shall, subject to these conditions, be on the terms and conditions required by the Councils.

49 The bond(s) shall provide that the consent holder remains liable under the Resource Management Act 1991 for any breach of the conditions of consent which occurs prior to completion of closure.

50 Unless the bond(s) is a cash bond, the performance of all of the conditions of the bond(s) shall be guaranteed by a guarantor acceptable to the Councils. The guarantor shall bind itself to pay for the carrying out and completion of any condition in the event of any default of the consent holder, or any occurrence of any adverse environmental effect requiring remedy.

51 The amount of the bond shall be fixed prior to the exercise of this consent as provided for by condition 4 and thereafter at least annually by the Councils which shall take into account any calculations and other matters submitted by the consent holder, which are relevant to the determination of the amount. The amount of the bond shall be advised in writing to the consent holder at least one month prior to the review date.

52 The annual review of the rehabilitation bond shall be undertaken concurrently with the annual reviews prepared in accordance with the consent conditions applying to other mines in the Waihi area that are operated by the consent holder.

53 The amount of the bond shall include:

- a) The estimated costs (including any contingencies necessary) of rehabilitation and closure in accordance with the conditions of this consent, on completion of the operations proposed for the next year;
- b) Any further sum which the Councils consider necessary to allow for remedying any adverse effect on the environment that may arise from the exercise of this consent;
- c) The estimated costs of monitoring, in accordance with the monitoring conditions of this consent, until the consent expires; and
- d) Any further sum which the Councils consider necessary for monitoring any adverse effect on the environment that may arise from the exercise of this consent including monitoring anything which is done to avoid, remedy, or mitigate an adverse effect.

54 Should the consent holder not agree with the amount of the bond(s) fixed by the Councils then the matter shall be referred to arbitration in accordance with the provisions of the Arbitration Act 1996. Arbitration shall be commenced by written notice by the consent holder to each of the Councils advising that the amount of the bond(s) is disputed, such notice to be given by the consent holder within two weeks of notification of the amount of the rehabilitation bond(s). If the parties cannot agree upon an arbitrator within a week of receiving the notice from the consent holder, then an arbitrator shall be appointed by the President of the Institute of Professional Engineers of New Zealand. Such arbitrator shall give an award in writing within 30 days after his or her appointment, unless the consent holder and the Councils agree that time shall be extended. The parties shall bear their own costs in connection with the arbitration. In all other

respects, the provisions of the Arbitration Act 1996 shall apply. Pending the outcome of that arbitration, and subject to Condition 57, the existing bond(s) shall continue in force. That sum shall be adjusted in accordance with the arbitration determination.

- 55 If, for any reason other than default of the Councils, the decision of the arbitrator is not made available by the 30th day referred to above, the amount of the bond(s) shall be the sum fixed by the Councils, until such time as the arbitrator does make his/her decision. At that stage the new amount shall apply. The consent holder shall not exercise this consent if the variation of the existing bond(s) or new bond(s) is not provided in accordance with this condition.
- 56 The bond(s) may be varied, cancelled, or renewed at any time by agreement between the consent holder and the Councils provided that cancellation will not be agreed to unless a further or new bond acceptable to the Councils is available to replace immediately that which is to be cancelled (subject however to Condition 58 below as to release of the bond(s) on the completion of the rehabilitation).
- 57 The Councils shall release the bond(s) on the completion of the rehabilitation. This means when the rehabilitation has been completed in accordance with the approved Rehabilitation Plan and demonstrated to be successful, to the satisfaction of the Councils.
- 58 All costs relating to the bond(s) shall be paid by the consent holder.
- 59 This consent shall not be exercised unless and until the consent holder provides the bond(s) to the Councils or provides such securities as may be acceptable to the Councils until the bond is received.
- 60 Conditions 48 to 61 form an integrated whole and are not severable.

Advice notes:

1. This condition is complementary to Waikato Regional Council consents.
2. The bond(s) covers only those elements of the Slevin Underground Mine not already subject to the rehabilitation bonds imposed by the land use and other resource consents granted for the Martha Extended Project and Favona, Trio and Correnso Underground Mines.

Administrative Charges

- 61 The consent holder shall pay to the Council all actual and reasonable charges arising from the monitoring of consent conditions and any other administrative charges fixed in accordance with Section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under Section 360 of the Resource Management Act 1991.

Management Plans/Monitoring Reports to be available to the Public

- 62 All management plans, monitoring reports and other compliance monitoring reporting required by this consent shall be available to the public by posting on the consent holder's web site as follows:
- a) The plans and reports shall be posted only when approved by the Council (where required by the consent conditions) or received by the Council (eg monitoring reports).
 - b) Only the current versions of the Plans and Reports are to be displayed on the consent holder's web site.

Review of Conditions

- 63 Pursuant to Section 128(1)(a)(i) and (iii) of the Resource Management Act 1991, the Council may, 12 months from the commencement of this consent and annually thereafter, or on receipt of any of the reports required by this consent, review any or all of the conditions of this consent for any of the following purposes:

- a) To review the effectiveness of the conditions of this consent in avoiding, remedying or mitigating any adverse effect on the environment that may arise from the exercise of the consent (in particular the potential adverse environmental effects in relation to vibration, noise, surface stability and social impacts) and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions. In deciding to undertake a review, and where further or amended conditions are deemed necessary, the Council shall have regard to all of the information contained in the reports required under other conditions of this consent including data obtained from fixed and roving vibration monitors.
- b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of commencement of the consent.
- c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent.

64 Such a review shall only be commenced after consultation between the consent holder and Council, and the consent holder shall pay the actual and reasonable costs of the review.

65 Notwithstanding Condition 65 above, where Council elects to review Conditions 15 to 29 and 48 to 61 this consent, such a review shall be undertaken after consultation with the Waikato Regional Council.

Advice notes:

- 1. In the exercise of the power to certify management plans and monitoring programmes conferred by these conditions, the Council will act on the advice of technical experts with expertise relevant to the subject of the plan or programme in question.
- 2. If any activity associated with this consent is likely to damage, modify or destroy any pre-1900 archaeological site (whether recorded or unrecorded) an 'authority' (consent) from Heritage New Zealand (HNZ) must be obtained for the work prior to commencement. It is an offence to damage or destroy a site for any purpose without an authority. The consent holder is reminded of the need to comply with all conditions of authorities that may be granted by HNZ for this project under the Heritage New Zealand Pouhere Taonga Act 2014.

SCHEDULE A: ADDITIONAL LICENCES AND CONSENTS

- Rule 5.17.4.1 P1 of the Operative Hauraki District Plan
- Rule 5.17.4.1 P2 of the Operative Hauraki District Plan
- Hauraki District Council Land Use Consent for the Favona Decline Project 85.050.325.D
- Hauraki District Council Land Use Consent for the Favona Mine Project 85.050.326E
- Hauraki District Council Land Use Consent for the Trio Development Project [RC-15735]
- Hauraki District Council Land Use Consent for the Trio Underground Mine Project [RC-15774]
- Hauraki District Council Land Use Consent for the Correnso Underground Mine Project (#LUSE-202.2012)
- Hauraki District Council Land Use Consent for Project Martha (LUC 202.2018.00000857.001)
- Waikato Regional Council consents for the Martha Mine Project.
- Waikato Regional Council consents for the Favona Mine
- Waikato Regional Council consents for the Trio Development Project
- Waikato Regional Council consents for the Trio Mine Project
- Waikato Regional Council consents for the Golden Link Project and Correnso Underground Mine
- Waikato Regional Council consents for Project Martha.

Figure 1: Slevin Underground Project Area (SUPA) and Correnso Extensions Potential Project Area (CEPPA)

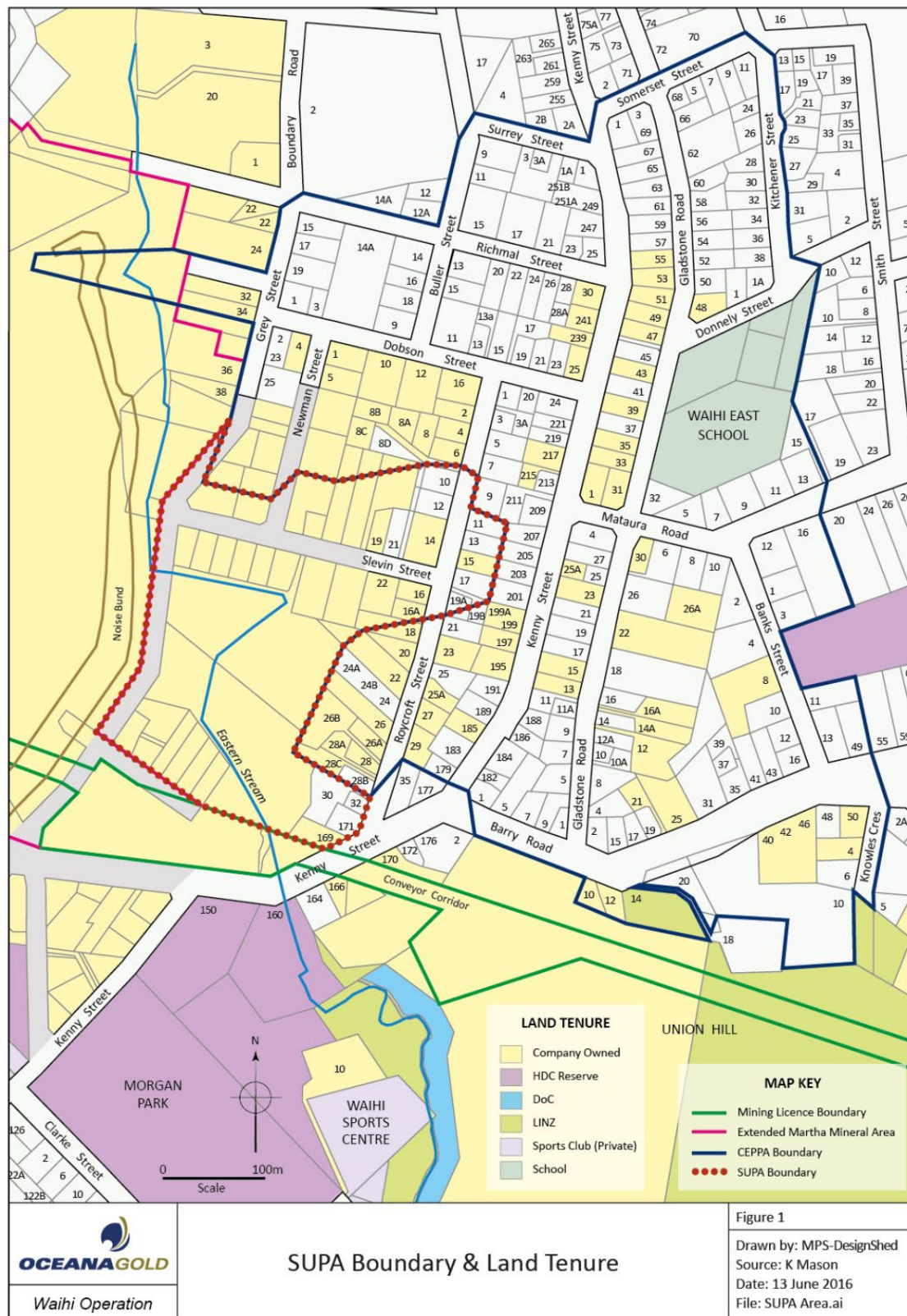


Figure 2: Location of Vibration Monitoring Sites

