

## TE TAI O POUTINI PLAN (TTPP)

### MINERAL EXTRACTION ZONE 21 – SNOWY RIVER GOLDMINE

#### RESPONSE TO ‘RIGHT OF REPLY’ S42A RECOMMENDATIONS

Tasman Mining Limited (C/- Federation Mining Limited) owns and operates the Snowy River Mine, located approximately 30km south of Reefton and 10km east of Ikamatua, within the Buller District on the West Coast. Figure 1 shows its current surface footprint progression.



**Figure 1: Snowy River Mine (current surface areas) as at 19.1 hectares**

Tasman Mining Limited has received a copy of the s42A Author Right of Reply report prepared by Mr David Badham, dated 2 December 2024. Within this report, there is a recommendation under Appendix 1w – MINZ 21 as it relates to the Snowy River Goldmine to significantly reduce or otherwise delete the MINZ boundary zone from this area.

It is understood that this report responds to the evidence, outstanding matters from expert witness causing, questions and matters raised by the Commissioners for the Mineral Extraction Topic hearings, which includes matters relating to the extent of the areas zoned for Mineral Extraction purposes (MINZ).

### **Background to the MINZ and Snowy River Mine**

During the development of the TTPP, Tasman Mining was consulted to provide insights and information regarding mining and exploration permits, as well as any resource consents or other authorisations necessary for their operations. This consultation established an understanding that the Councils would advance the development of the MINZ areas for the Snowy River site within the TTPP. Tasman Mining supplied the relevant information to the Councils during this phase.

Upon receipt of the notified TTPP, Tasman Mining thoroughly reviewed the proposed MINZ zoning area for the Snowy River Mine. After careful deliberation, the company determined that the zoning was appropriate and aligned with the materials previously submitted to the Councils. Consequently, Tasman Mining concluded that providing a submission regarding the TTPP was unnecessary. The company then monitored submissions from other stakeholders and observed that there were no specific objections to the zoning at this particular location, leading them to infer that the scope of the notified zoning is likely to remain unchanged throughout the ongoing Schedule 1 process. Therefore, it is unexpected that a recommendation would arise at this point in the process to either significantly modify the extent of the MINZ or eliminate it entirely in this location, particularly considering the significant existing authorisations already established there. There do not appear to be any submissions that specifically ask for the MINZ zone boundary to be altered in this location.

Therefore, the following section clarifies the extent of existing authorisations held at the Snowy River Mine and seeks to confirm that the notified MINZ boundary will be retained. Tasman Mining Limited consider it appropriate that the Panel have the correct factual information for this site (MINZ 21 – Snowy River Goldmine).

### **Existing Authorisations**

As noted, Tasman Mining owns and operates the Snowy River Mine. It is an active gold mine with all appropriate and necessary Mineral Permits and Resource Consents.

### **Mining Permits**

Snowy River Mine operates under an active Mining Permit – MP60473. The land to which the permit relates is 2905.622 hectares and is shown in Figure 2 below.

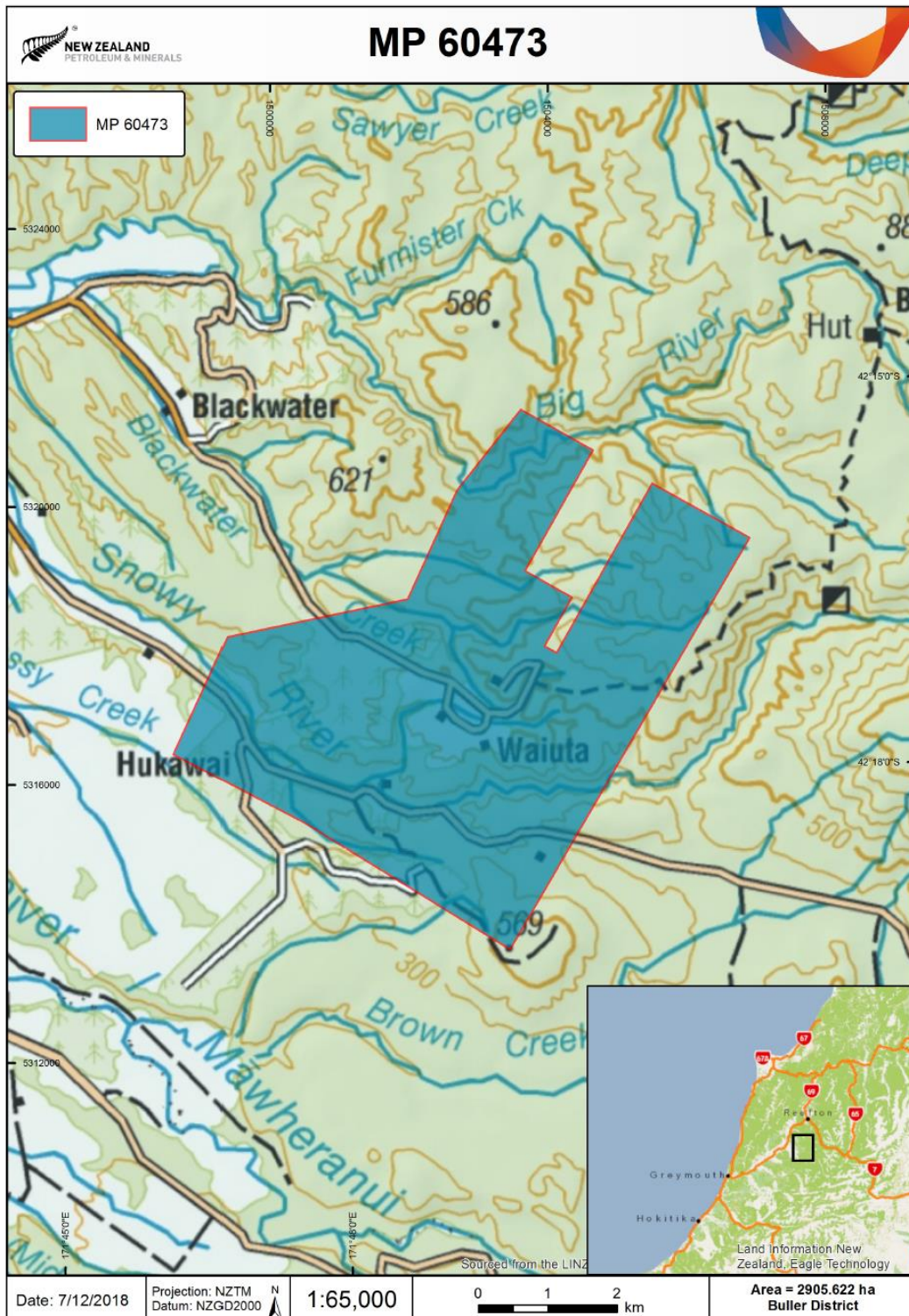


Figure 2: Snowy River Mine Mining Permit Boundary

In addition to the Mining Permit, Tasman Mining also holds an Exploration Permit, EP 60460. This covers a broader area as shown on Figure 3 below:



Figure 3: Snowy River Mine Exploration Permit Boundary

## Resource Consents

Resource consents for the comprehensive development of the Snowy River Mine were granted by the West Coast Regional Council (“**WCRC**”) and the Buller District Council (“**BDC**”) in 2014, replacing a suite of resource consents issued earlier in 2004. In 2023, the existing suite of resource consents that enabled the development and operation of the Snowy River Mine were varied, and several new consents were granted. These consents authorised the development of a processing plant at Snowy River to enable the on-site processing of ore into gold bars, and for the associated disposal of tailings at the site. The current BDC consent, which authorises the underground mining, is referenced as **RC130025B** and is attached in **Appendix A** here. An additional consent related to the processing plant is referenced as **RC220060** and is attached in **Appendix B**. The relevant WCRC consents which authorise the full suite of activities on the site (including underground mining, WRS, processing plant, etc) are referenced as **RC13042-01 – 15** and **RC-2022-0079- 01 - 03** and are attached as **Appendix C** here.

In May 2024, an additional land use consent was granted for the construction, operation and maintenance of a temporary laydown and truck storage facility associated with the construction of the processing plant. This consent is referenced as **RC240011** and is attached as **Appendix D** here.

In December 2024, a further variation was sought to both the BDC and WCRC consents to enable Tasman Mining to haul some of the processing waste material offsite. The outcome of this variation is still pending at the time of writing this response.

Collectively, the resource consents currently held for the Snowy River Mine provide for:

- > The development and operation of a gold mine targeting Birthday Reef;
- > The construction and operation of a processing plant and associated activities;
- > The establishment of a waste rock stack (“**WRS**”);
- > Water management, treatment and discharges;
- > Vegetation clearance and incidental earthworks;
- > Modification of riparian margins within 10m of Snowy River for construction and use of a bridge across Snowy River to the Snow River Mine site;
- > Construction of a road to Snowy River Road to access the bridge and associated road improvements; and
- > Construction operation and maintenance of a temporary laydown and truck storage facility associated with the construction of the on-site processing plant.

For completeness, set out in the following tables is an overview of the activities provided for by the existing consents. **Table 1** provides a description of the activities that have been authorised by the existing BDC land use consent RC130025B. **Table 2** outlines the consents held from the WCRC that also enable the construction and operation of the mine. These consents have been given effect to with the development well underway. As stated below, the land use consent enables the development to be undertaken within the Mining Permit Boundary.

**Table 1: Description of the existing activities that have been authorised by the existing BDC Consent 130025B.**

Activity	Extent of Activities Authorised Within the Existing Environment
Land use activities	<ul style="list-style-type: none"> <li>➤ Surface activity will be limited to one location, being the Snowy River site, on the true right bank of the Snowy River.</li> <li>➤ Surface infrastructure associated with the mine will be located at the site and will include: <ul style="list-style-type: none"> <li>- A waste rock stockpile;</li> <li>- Mine water treatment facilities and water management ponds;</li> <li>- Ventilation fan (90Kw);</li> <li>- Compressor plant (capable of delivering 150l/s at 700kpa);</li> <li>- Electrical switch yard (to allow 11kV cabling and a 2.5MW power draw);</li> <li>- Explosives magazine (5 tonne capacity with a detonator annex);</li> <li>- Office and ablution blocks, grey water/sewage system;</li> <li>- A single bay workshop and store with a wash down slab, fuel farm and fuelling pad (25,000 litres, 6,000 litre lube / grease pod farm);</li> <li>- Vehicle parking area;</li> <li>- Processing plant and water treatment plant; and</li> <li>- Roothing and bridge across Snowy River.</li> </ul> </li> </ul>
Land parcels	<ul style="list-style-type: none"> <li>➤ Within Exploration Permit area EP 40 542 (now MP60473).</li> <li>➤ Sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District NL 10 A/347.</li> <li>➤ River bed – Crown Land.</li> <li>➤ Easement to cross the Snowy River between sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District NL10A/347.</li> <li>➤ The mine infrastructure components will be located within the land parcel Sect 10 Blk XVI Mawheraiti SD, to the west and northwest of the Portal.</li> </ul>

Activity	Extent of Activities Authorised Within the Existing Environment
Decline	<ul style="list-style-type: none"> <li>➤ Two parallel tunnels.</li> <li>➤ Approximately 8,400m in distance – comprising two tunnels at approximately 3,300m and connections between the tunnels at regular intervals.</li> <li>➤ Main and Northern tunnel are approximately 5m x 5m.</li> </ul>
Vegetation clearance / disturbance	<p>Areas affected:</p> <ul style="list-style-type: none"> <li>➤ Rough pasture cover – 12.0ha.</li> <li>➤ Previously logged Beech Forest – 2.5ha.</li> <li>➤ Exotic Planation – 1.3ha.</li> </ul> <p>The BDC consent conditions allows for the modification of riparian margins as shown on Plan EDENG0102. The total area of riparian margin modification shall not exceed those identified areas by more than 10%.</p> <p>The BDC consent conditions also provide for the removal of indigenous vegetation within Section 10 Blk XVI Mawheraiti SD in addition to the identified areas shown on EDENG0102. The total area of indigenous vegetation clearance shall not exceed those areas by more than 10%.</p>
Waste Rock Stack Physical Characteristics	<ul style="list-style-type: none"> <li>➤ Capacity of 1,100,000m<sup>3</sup> (2,000,000 t).</li> <li>➤ Height of 193mRL during the decline development.</li> <li>➤ Maximum height of 210RL during the mining phase.</li> <li>➤ Cover an area of approximately 11ha.</li> <li>➤ Approximately 300,000m<sup>3</sup> of the mine waste during mining operations will be used as backfill within the mine stopes during the last four years of mining, thereby reducing the volume of mine waste at the time of mine closure to about 800,000m<sup>3</sup>.</li> <li>➤ Consent requires progressive revegetation.</li> </ul>
Water management	<p><b>During development phase:</b> Extraction of water from flooded workings decline to a containerised treatment plant, discharge to a constructed ponds at Snowy River Road site with further discharge to the Snowy River.</p> <p>The silt ponds will be 2m deep and the treatment pond will be spread over an area of 6.5ha, shallow and no more than 3m in depth. The volume of water contained in the silt ponds will be 3,300m<sup>3</sup>.</p>

Activity	Extent of Activities Authorised Within the Existing Environment
	<p><b>During mining phase:</b> Extraction of mine water via Snowy River decline with treatment plant at Snowy River Road site, and discharge to Snowy River.</p> <p><b>Post Closure:</b> Portal at Snowy River site will be sealed with pipe/valve arrangement to allow groundwater to flow out once mine has flooded with ground water.</p>
<p>Traffic movements</p> <p>Revised as part of a variation application 2022</p>	<p><b>Decline construction phase (30 – 36 months):</b></p> <ul style="list-style-type: none"> <li>- Light vehicles 25 trips/day.</li> <li>- Heavy vehicles 14 trips/day.</li> </ul> <p><b>Mining Phase (7 years):</b></p> <ul style="list-style-type: none"> <li>- Light vehicles 40 trips/day.</li> <li>- Heavy vehicles 10 trips/day.</li> </ul> <p>Trucking movements along Snowy River Road related to mining and ancillary activities shall only occur between the hours of 7am and 9.30pm.</p> <p>Trucking movements shall also be scheduled around the school bus timetable, so trucks are not using Snowy River Road when the school bus is using the road.</p>
<p>Access</p>	<p>Access to the surface declines and portal will be via Snowy River and a private haul road and single lane bridge across the Snowy River.</p> <p>Public access is not to be permanently restricted on legal road reserve.</p> <p><i>(An easement has been obtained for the bridge. Power and telecommunications infrastructure will be located within the same easement corridor).</i></p>
<p>Traffic network improvements</p>	<ul style="list-style-type: none"> <li>➤ Undertake local road widening at the Snowy River Road/SH7 intersection in accordance with ‘Diagram E’ in NZTA’s Planning Policy Manual, to allow slow moving trucks to accelerate and decelerate clear of through traffic.</li> <li>➤ Widen (to the north) the Snowy River Road approach to the intersection with SH7 to enable trucks turning left into Snowy River Road to negotiate the turn at a reasonable speed and without crossing the Snowy River Road approach centre-line. A flush or painted throat island may be required on Snowy River Road.</li> <li>➤ Install truck-crossing signage on both the southern and northern approaches to the Snowy River Road/SH7 intersection.</li> <li>➤ Erecting a truck crossing sign at the mine access point on Snowy River Road.</li> </ul>



Activity	Extent of Activities Authorised Within the Existing Environment
	<ul style="list-style-type: none"> <li>➤ Signage stating “Children” is to be placed near the Mossy Creek Bridge No.1 and the SH7 intersection of Snowy River Road.</li> <li>➤ Install gravel laybys on Snowy River Road to create additional room for vehicles to pass, particularly when large equipment is being transported during construction of the mine. Gravel shoulder widening may be constructed on Snowy River Road at other locations to provide passing bays, as required.</li> <li>➤ Undertake localised curve widening on Snowy River Road to avoid large vehicles tracking onto the road berms.</li> <li>➤ Sealing of Snowy River Road from the end of the existing seal to the turn off to the proposed bridge over the Snowy River. This is a distance of approximately 500m.</li> </ul> <p>The timing of roading upgrades has been amended by a subsequent application to vary the conditions to enable the upgrade of Snowy River Road to be undertaken when mining and ancillary activities commence, rather than about the same time as the surface decline construction.</p>
Other infrastructure on the site	<ul style="list-style-type: none"> <li>➤ A weighbridge.</li> <li>➤ Crushing and screening facility (within noise insulated building / container).</li> <li>➤ Ore stockpile during the mining activity.</li> </ul>
Staffing / Hours of Operation	<ul style="list-style-type: none"> <li>➤ 24/7 operation.</li> <li>➤ 12 hour shifts with up to 10 persons per shift.</li> </ul>
Gravel for roads and laydown areas	<ul style="list-style-type: none"> <li>➤ 20cm gravel surface.</li> <li>➤ Approximately cover an area of 5,600m<sup>2</sup>.</li> </ul>
Hazardous substances	<ul style="list-style-type: none"> <li>➤ Fuel storage at the Snowy River Road site.</li> <li>➤ Oils, cleaners, etc, in the workshop.</li> <li>➤ Explosives at Snowy River Road site.</li> <li>➤ Explosives within the underground mine.</li> </ul>
National Environmental Standard for Assessing and Managing Contaminants in Soil Regulations 2011 (“NESCS”)	Consent has been obtained under the NESCS.



Activity	Extent of Activities Authorised Within the Existing Environment
Archaeological Features	<ul style="list-style-type: none"> <li>➤ A water race crosses part of the land above the portal and an adit adjacent to the water race.</li> <li>➤ These features are located above the mine portal and are likely to date post 1900. They will not be affected by the proposal.</li> <li>➤ No other features have been identified.</li> </ul>
Noise	<ul style="list-style-type: none"> <li>➤ Construction noise.</li> <li>➤ Noise from piling have been assessed at properties nearest to the mine site and will comply with NZS 6803:1999.</li> <li>➤ Piling activity – temporary four week activity.</li> <li>➤ Construction of the portal will comply with District Plan noise limits.</li> <li>➤ WRS noise levels will be at or below the background sound in the area on a calm day.</li> </ul>

**Table 2: WCRC consents for the Snowy River Mine.**

Consent Reference	Consent Type	Activity
RC13042-01	Land use	To undertake land surface, disturbance, and earthworks associated with the construction, use, maintenance and rehabilitation of the access roads and haul roads and a bridge over the Snowy River (including undertaking works in the riparian margins of the Snowy River), install culverts, disturb the bed of an unnamed tributary, and erect structures in the tributary. Cut and fill and undertake earthworks to create the mine site at the Snowy River site, including construction, use, maintenance and rehabilitation of diversion drains.
RC13042-02	Land use	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of temporary and permanent silt ponds, sumps, bunds and treatment system.
RC13042-03	Land use	To undertake vegetation clearance associated with the construction, use, maintenance and rehabilitation of the Snowy River Mine including construction of infrastructure

Consent Reference	Consent Type	Activity
		(including but not limited to pipelines and utilities), roads and a bridge over the Snowy River and other areas to be disturbed.
RC13042-04	Land use	To construct the Snowy Decline and undertake associated earthworks.
RC13042-05	Land use	To disturb the riverbed of the Snowy River for geotechnical testing and construction and use of a bridge over the Snowy River.
RC13042-06	Land use	To extract gravel from the dry bed of the Snowy River.
RC13042-07	Water permit	To divert stormwater around disturbed areas to silt ponds and to divert clean stormwater runoff from undisturbed areas to local surface drainage channels to minimise silt control requirements.
RC13042-08	Water permit	To recycle surface water and groundwater from Snowy River for mine operational purposes.
RC13042-09	Water permit	To take groundwater from the Snowy Decline for dewatering purposes (to maintain dry working conditions in the shaft and underground workings).
RC13042-10	Water permit	To take water for use in mining, for dust control and for domestic purposes from the Snowy River.
RC13042-11	Water permit	To divert water for the purpose of constructing a bridge across the Snowy River.
RC13042-12	Discharge permit	To discharge surface water, groundwater, and contaminants to land at the Snowy River site (being water associated with drilling, underground operations, decline development, stormwater from the portal area, waste rock stack, ore stockpile and infrastructure area) in circumstances that will result in that water and contaminant entering the Snowy River.
RC13042-13	Discharge permit	To discharge up to 1.1 million m <sup>3</sup> of waste rock to land at the Snowy River Road.
RC13042-14	Discharge permit	To discharge heat and other contaminants (including dust and vehicle emissions) to the air from mining operations and associated activities (including stockpiling and handling of



Consent Reference	Consent Type	Activity
		waste rock and ore, venting air from the return airway tunnel and operating a diesel generator).
RC13042-15	Discharge permit	On site discharge of sewage and greywater treatment overflow at the Snowy River Road site.
RC-2022-0079-01	Discharge Permit	To discharge contaminants to the air from the construction and operation of the processing plant at the Snowy River site.
RC-2022-0079-02	Discharge Permit	To discharge contaminants to land that may enter water from the discharge of waste rock stack and dewatered tailings generated from within the processing plant.
RC-2022-0079-03	Discharge Permit	To discharge contaminants to land that may enter water from the placement of paste material generated from the processing plant within the underground mine.

### Section 42A Report Recommendation

The section 42A report pertaining to the Mineral Extraction Zone 21: Snowy River Goldmine contains several factual inaccuracies that need to be addressed. It is evident that the report is based on incorrect and incomplete information, which has led to the recommendation for a substantial reduction or the deletion of the MINZ surrounding the Snowy River Mine. A number of the key errors and resulting conclusions are noted in the table below and a response provided on behalf of Tasman Mining to address this situation:

Issue / Error	Response
Reference to RC130025 and associated plans	As noted above this consent has been varied. Its correct reference is RC130025B. It has updated plans and an AEE that should be referred to. The information set out in RC130025 has been superseded by this.
Reference to RC220060 in isolation of other land use consents.	As noted above, this is a relevant consent; however, it needs to be read alongside RC130025B, RC240011 and a further pending resource consent variation to these consents.
Reference to RC04017 – WCRC Consents which have been surrendered	This relates to another gold mining operation in another location. As noted above the relevant WRC consents are referenced as

Issue / Error	Response
	RC13042 and RC-2022-0079 (various). These consents have not been surrendered.
Reference to the WRS as the boundary for the MINZ for the Snowy River Mine.	As above the land use and regional consents for this site are extensive. They cover a broad range of land use activities and are tied to the Mining and Exploration Permit boundaries.
Linkages to the resource consents cited in the report and MP60473 and EP60460.	There seems to be confusion in both the notified TTPP and the s42A report regarding the area to which these mining permits pertain. As previously clarified, the mining and exploration permits mentioned in this response and in the TTPP (and noted by the s42A report) are associated with the current resource consents held by Tasman Mining for the development and operation of the Snowy River Gold Mine.
Use of the WRS as the recommended boundary to the MINZ for the Snowy River Mine. Refer to Figure 4 which has copied this boundary recommendation below).	<p>As previously outlined, the Snowy River Mine, although characterised by a relatively minimal surface disturbance footprint, is clearly authorised for a comprehensive underground mining operation as well as additional exploration activities. The current consents allow for underground mining and also a further exploration drive to be created. This goes beyond the Mining Permit and into the Exploration Permit area shown above. The notified MINZ was considered to have captured both of these permit areas (and the consents) correctly in this regard.</p> <p>It is important to note that both mining and exploration activities conducted underground require land use consent unless such activities are permitted under the relevant district and regional plans, as defined by the term "land" in the Resource Management Act (<b>RMA</b>). If there are any changes to the consented decline development and/or the further exploration drive, then under the current BDC District Plan (and the TTPP without the MINZ in place) these variations would likely trigger either a new consent or at least a variation to the existing consents. If the MINZ were in place, this would enable minor development variations within this zoned area to be undertaken without the need for recourse back to the Council for each deviation from the "consented plan". This would be particularly frustrating for development of the underground mine plan, which for example, may need to be altered from the consented baseline due to further geological exploration and/or for health and safety purposes.</p>

The surface footprint also exceeds the area designated as the WRS in the Section 42A report. It encompasses an area for the processing plant, site infrastructure, a water treatment area (including extensive wetlands), and an adjacent laydown area. Furthermore, it utilises local and public roadways (including constructing and using a new bridge structure), which existing land use consents have authorised.

The consented surface infrastructure (excluding the roading and adjacent laydown areas) and underground workings (as well as some of the consented water management systems) are shown for comparison purposes in Figure 4 below.

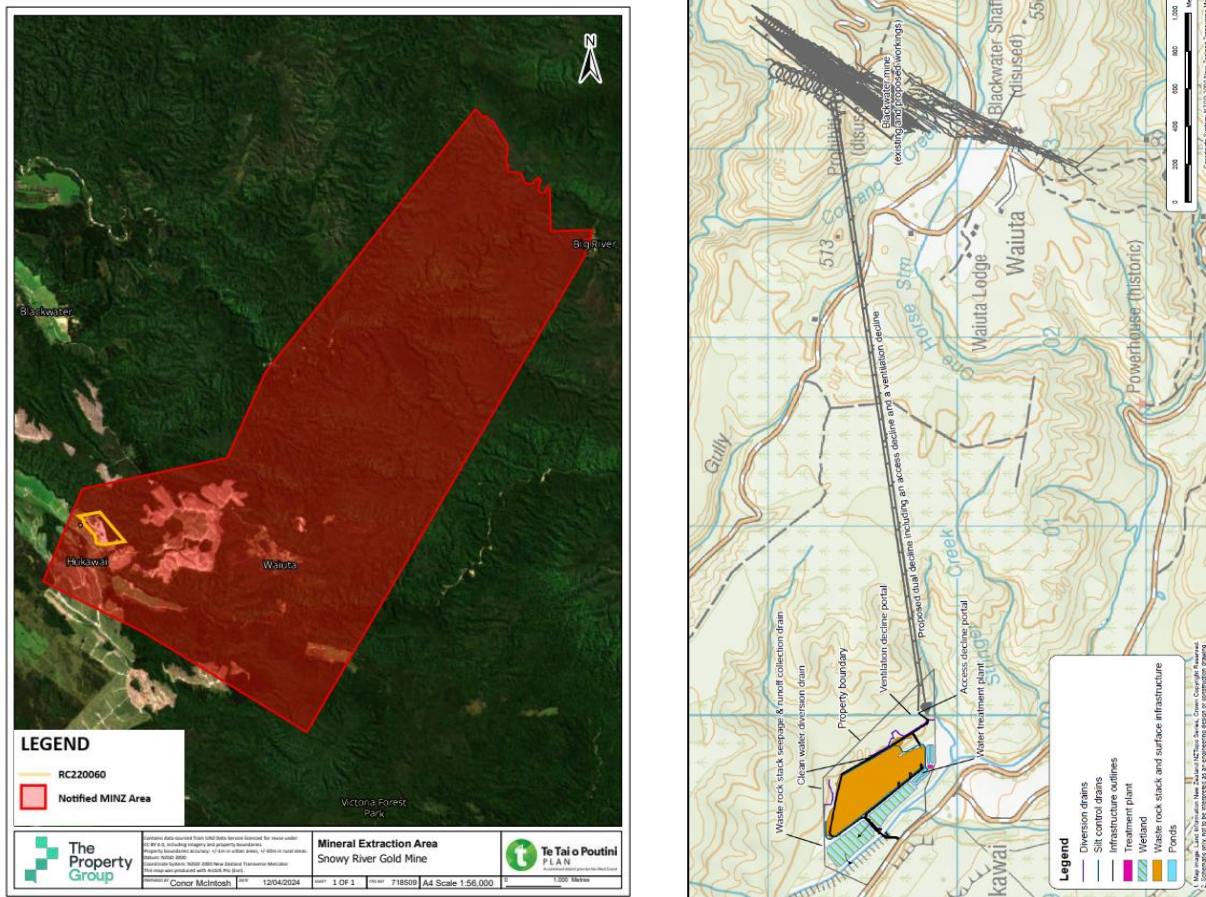


Figure 4: Section 42A Recommended Amendment vs some of the Consented Footprints of the Snowy River Mine



## **Conclusion**

The Snowy River Mine is currently operating under a comprehensive range of existing authorisations, which includes exploration and mining permits, land use approvals, and regional consents. The information contained in this document confirms that the notified boundary of the MINZ in relation to the Snowy River Mine aligns with the established suite of authorisations. As far as Tasman Mining Limited is aware, this boundary has not been specifically challenged by any other submitter during the TTPP process.

Retaining this zoning will support the mine's ongoing compliance and operational stability, facilitating responsible resource development while adhering to appropriate regulatory frameworks.

Using the information presented in the s42A report to define the boundary of the MINZ in this area would be misguided, as it relies on information that is neither current nor relevant to this site, as demonstrated in this document.

Appendix A

Decision 130025B



File Reference: RC130025B  
Valuation Roll No. 1900019800

13 January 2023

Oceana Gold New Zealand Limited  
c/- Mitchell Daysh Limited  
PO Box 489  
Dunedin 9054

By email: [claire.hunter@mitchelldaysh.co.nz](mailto:claire.hunter@mitchelldaysh.co.nz) / [sdelander@federationmining.com.au](mailto:sdelander@federationmining.com.au)

Dear Claire

### **APPLICATION FOR RESOURCE CONSENT RC130025B**

The Buller District Council's decision on the abovementioned resource consent is enclosed.

If you are happy with the decision made by Council, the consent may be acted upon subject to any conditions included in the decision. Council staff will monitor the site to check that conditions have been complied with.

If not acted upon, the consent will lapse after five years from the date of the decision, unless otherwise specified in this decision or unless extended upon application to Council. Please refer to section 125 of the Resource Management Act 1991 (RMA) for further details.

If you do not agree with the whole or any part of the decision, you may appeal the whole or any part of the decision to the Environment Court. An appeal may be lodged with the Environment Court within 15 working days of the date of this notification being delivered to you in the normal course of post. The address of the Environment Court is PO Box 2069, Christchurch 8140. A copy of any appeal should also be sent to the Buller District Council, PO Box 21, Westport 7866.

Please refer to sections 120-121 of the RMA and also the Resource Management (Forms, Fees and Procedure) Regulations 2003 for further details on appealing resource consent decisions.

If you are in doubt about your rights to appeal, or require an extension of time, you should discuss this with your solicitor/agent.

If you have any further queries please do not hesitate to contact me.

Yours faithfully



**Carissa du Plessis**  
**TEAM LEADER - PLANNING**

## RESOURCE CONSENT DECISION - RC130025B (S.127 Variation)

Pursuant to Sections 104, 104B, 108, and 127 of the Resource Management Act 1991, Buller District Council **GRANTS** the application OceanaGold (New Zealand) Limited to change the conditions of RC130025. **The amended conditions of RC130025B are detailed below** (showing deletions in strike through and additions underlined).

### The Approved Activity:

To amend the Conditions of RC130025 to provide for a revised waste rock stack design and water management and treatment facilities at the Snowy River Mine site.

### Location:

Address: Snowy River Road, Ikamatua  
Legal Description: Sections 9-10 Blk XVI Mawheraiti SD  
Record of Title: NL10A/347

### Additional Approved Plans:

1. The site plan prepared by Pattle Delamore Partners Ltd titled: '*Fig 1: WRS Consented & New Design footprint*', dated Mar 2022.
2. The set of preliminary design plans prepared by Pattle Delamore Partners Ltd, dated April 2022 titled:
  - '*Overall Layout Plan*', Rev C
  - '*WRS Base Layer Plan*', Rev B
  - '*WRS Base of Liner Layout Plan*, Rev A
  - '*Cell Base and Starter Bund Plan Stage 1*', Rev C
  - '*Cell Base and Starter Bund Sections Stage 1*', Rev C
  - '*Cell Earthworks Plan Stage 1*', Rev C
  - '*Cell Cross Sections Stage 1*', Rev C
  - '*Cell Earthworks Plans Stage 2*', Rev B
  - '*Cell Cross Sections Stage 2*', Rev B
  - '*Waste Rock Stack Layout Plan*', Rev C

Please note that the plans which are approved are stamped 'Approved Plan' and attached to this consent.

### CONDITION(S):

Pursuant to Section 108 of the Resource Management Act 1991 the application to change the conditions of RC130025 is granted subject to the following amendments. The conditions of RC130025B are reproduced in full below, showing deletions in strike through and additions underlined

### General

1. All activities authorised by these consents shall be undertaken in accordance with the information contained in the Application, Assessment of Environmental Effects (OceanaGold (New Zealand) Limited, Blackwater Gold Project, February 2013) ("the Assessment of Environmental Effects"), and all supporting technical documents and plans, as provided to the Consent Authority, ~~and~~ the variation received 26 July 2019, and the information contained within the Application and Assessment of Environmental Effects dated 17 June 2022, and all supporting technical documents and plans. Where there are inconsistencies between these documents, the information contained in the Application and Assessment of Environmental Effects dated 17 June 2022 and these

Conditions shall prevail.

~~except where inconsistent with these conditions, in which case the terms and conditions of this consent shall prevail.~~

### **Fees**

2. The Consent Holder shall pay to the Consent Authority such administration, supervision and monitoring fees as are fixed from time to time by the Consent Authority in accordance with Section 36 of the Act. The Consent Holder shall meet the reasonable costs of compliance with all requirements and conditions of these consents.

### **Complaints and Non-compliance**

3. The Consent Holder upon receipt of any complaint shall promptly investigate the complaint, take action to remedy or mitigate the cause of the complaint and inform the Consent Authority as soon as practicable of the details of the complaint and the action taken.
4. The Consent Holder shall maintain and keep a complaints' register for all aspects of operations in relation to these consents. The register shall detail the date, time and type of complaint, cause of the complaint, and the action taken by the Consent Holder in response to the complaint. The register shall be available to the Consent Authority at all reasonable times. Complaints, which may infer non-compliance with the conditions of these consents, shall be referred to the Consent Authority as soon as practicable.
5. Unless otherwise stated within these consents, in the event of any breach of compliance with the conditions of these consents the Consent Holder shall notify the Consent Authority within 48 hours of the breach being detected. Within 5 days of any breach the Consent Holder shall provide written notification to the Consent Authority which explains the cause of the breach, and if the cause was within the control of the Consent Holder, steps which were taken to remedy the breach and steps which will be taken to prevent any further occurrence of the breach.
6. The Consent Holder shall remain liable under the Act for any breach of conditions of these consents which occur before the expiry of the consent and for any adverse effects on the environment which become apparent during or after the expiry of these consents.

### **Notification of Exercise of Consent**

7. The Consent Holder shall notify the Consent Authority in writing of the intention to exercise this consent at least four weeks prior to, but not more than six months prior to, the commencement of any activities authorised by this consent.
8. Notwithstanding Condition 7, the Consent Holder shall notify the Consent Authority in writing as soon as practicable of the date that activities first commence under this consent.

9. The Consent Holder shall notify the Consent Authority in writing of the intention to cease the exercise of this consent at least 6 months prior to the activities under this consent ceasing.
10. The Consent Holder shall notify the Consent Authority in writing as soon as practicable after activities under this consent cease.

### **Lapsing of Consents**

11. Pursuant to Section 125(1) of the Act all resource consents shall lapse on the expiry of ten years after the date of commencement of the consent unless the consent is given effect to before the end of that period or upon application in terms of Section 125 (1)(b) of the Act, or the Consent Authority grant a longer period of time.

### **Bonds**

12. The Consent Holder shall provide and maintain in favour of the West Coast Regional Council and the Buller District Council (jointly for their respective interests) ("the Councils") a bond or bonds to secure the compliance by the consent holder with all of the conditions of consents:
  - a. RC13042-01 to RC13042-15, inclusive, granted by the West Coast Regional Council; and
  - b. RC130025 granted by the Buller District Council.  
including the completion of all rehabilitation works required by these consents and all monitoring obligations of the Consent Holder and to avoid, remedy, or mitigate any adverse effects on the environment arising as the result of the exercise of the consents set out above.
13. The Consent Holder shall provide a bond or bonds for the quantum for a minimum of a three year term, such term to be renewed for a minimum of a further three year term (or such other term as the parties may agree) on a yearly basis on the anniversary of the date of commencement of these consents.
14. Form of Bond  
The bond or bonds shall be in a form approved by a firm of solicitors nominated by the West Coast Regional Council and Buller District Council jointly, taking into account the ability of the Consent Holder to arrange a guarantor or surety ("the guarantor") and the guarantor's acceptance of the term of the bond.
15. Content of Bond  
The bond or bonds shall provide that the Consent Holder shall be liable and remain liable for meeting:
  - a. The cost of remedying or mitigating any breach of the conditions of the consents as detailed in Condition 12 hereof; and
  - b. The cost of avoiding, remedying or mitigating and or monitoring any adverse effect on the environment which become apparent during or after the expiry of the consents set out above.

16. Payment

- a. Unless the bond is a cash bond, the payment of the bond quantum by the Consent Holder shall be guaranteed by a guarantor acceptable to the Buller District Council and the West Coast Regional Council.
- b. The guarantor shall bind itself to pay up to the bond quantum for the carrying out and completion of all obligations of the Consent Holder under the bond.
- c. If the Consent Holder is unable at any time to arrange a guarantor for the quantum, the Consent Holder shall provide a cash bond or bonds for the quantum within 12 months of the date of the renewal referred to in Condition 13 above.

17. Term

The bond or bonds shall remain in place for a period of ten years after the surrender, expiry or lapsing of the consents referred to in Condition 12.

18. Amount

- a. The Consent Holder shall provide the Councils with a report which recommends the amount of the initial bond ("the Bond Report") within 30 days from the date of commencement of these consents.
- b. The amount of the initial bond shall be reviewed and fixed by the Councils in accordance with the Bond Report not later than 20 working days after the date of which the Councils receive the Bond Report.
- c. The Consent Holder shall put in place the bond fixed by the Councils in accordance with Condition 18(b) above within 10 working days of the date on which the bond is fixed.
- d. The West Coast Regional Council and the Buller District Council may jointly vary the amount of the bond from time to time (either up or down) at yearly intervals within one month of the anniversary of the date of commencement of these consents ("the Review Date") after the Consent Holder has provided the two Councils with the annual update of estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents referred to in Condition 12, as identified in Conditions 38 to 40 (Annual Work Plan).
- e. The annual update of estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents referred to in Condition 18(d) shall be prepared by an independent advisor, with expertise in mining bond calculation, mutually acceptable to Consent Holder and the two Councils, and be supplied to the Councils at least one month prior to the Review Date.
- f. In setting any new bond sum, the Councils shall have particular regard to the updated estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents provided by the Consent Holder in accordance with Conditions 18(d) and 18(e). The two Councils shall also take into account the quantum and purpose of any bond provided by the Consent Holder in favour of the Minister of Conservation.

- g. The amount of the bond shall be advised in writing to the Consent Holder within one month after the Review Date.
- h. The Consent Holder shall meet the reasonable costs of bond reviews.
- i. In accordance with note 3 (Change or Cancellation of Conditions), the Consent Holder may apply to vary the amount of the bond pursuant to Section 127 of the Act.
- j. If at any time the amount of the bond is varied pursuant to this condition or pursuant to any application, then the Consent Holder (and unless the bond is a cash bond, the guarantor approved by the West Coast Regional Council and Buller District Council) shall, within thirty (30) days of being advised of the new bond quantum, execute and lodge with the Consent Authorities a new bond for the varied amount or the additional amount required in excess of the existing bond.
- k. The Consent Holder shall not exercise or shall cease to exercise these consents:
  - i) Until the bond referred to in Condition 18(a) hereof is executed by the Consent Holder and guarantor and deposited with the consent authorities, and
  - ii) In respect of any varied or reviewed bond referred to in Condition 18(d), after thirty (30) working days has expired from the date the Consent Holder was notified of the terms of the varied or reviewed bond by either Council, unless the varied or reviewed bond has been executed by the Consent Holder (and, unless the bond is a cash bond, a guarantor) and has been deposited with the Consent Authorities, or
  - iii) In respect of any bond sum changed or reviewed pursuant to Sections 127 or 128 of the Act, after thirty (30) working days has expired from the date the Consent Holder was notified of the decision of the changed or reviewed bond by either Council, unless the changed or reviewed bond has been executed by the Consent Holder (and, unless the bond is a cash bond, a guarantor), and has been deposited with the Consent Authorities.

#### 18A Further Bond

- a) At the conclusion of the bond term referred to in Condition 17, the sum of five hundred thousand dollars (\$500,000.00) shall continue to be held for a further period of 20 years either as a cash bond, or on such other terms as is agreed between the Consent Holder and the Councils. This Bond shall be in favour of the Councils and can be used by the Councils for the purpose of remedying or mitigating any effects that arise from the mine closure and rehabilitation activities conducted by the Consent Holder.
- b) If there is any bond remaining after the expiry of the 20 year period, that remaining

money can be shared equally between the Buller District Council and the West Coast Regional Council (or their successors) for the purpose of any further ongoing monitoring or rehabilitation, and or carrying out native vegetation plantings in the area.

#### 19. **Transfer of Consents**

If any consent is transferred in part or whole to another party or person, the bond lodged by the transferor shall be retained until any outstanding work at the date of the transfer is completed to ensure compliance with all conditions of these consents unless the Consent Authorities are satisfied adequate provisions have been made to transfer the liability to the new Consent Holder.

#### 20. **Costs**

The Consent Holder shall meet the reasonable costs of providing any bond, including the costs of preparation of the bond and any substitute bond.

#### **Subsidence**

21. Prior to commencement of the decline tunnel construction the consent holder shall implement a Subsidence Monitoring Programme, that shall measure and evaluate the evidence of surface subsidence, if any, and the accuracy of subsidence predictions. The Subsidence Monitoring Programme shall include the following monitoring requirements:

- a. Control survey points located to monitor for subsidence effects tied into survey stations that are remote from any area of probable subsidence to monitor the first 200m of the decline tunnel commencing at the portal. The frequency of the subsidence monitoring shall be as follows:
  - i. Prior to commencement of the decline tunnel construction; and
  - ii. Three monthly during the tunnel construction phase for 12 months; and
  - iii. Yearly intervals after the first twelve months period, until the surrender, expiry or lapsing of the consent.
- b. Control survey points located to monitor for subsidence effects tied into survey stations that are remote from any area of probable subsidence to monitor the ground above the historic mine workings. The frequency of the subsidence monitoring shall be as follows:
  - i. Prior to commencement of dewatering of the historic workings; and
  - ii. Three monthly during the dewatering phase; and
  - iii. Yearly intervals after dewatering is completed, until the surrender, expiry or lapsing of the consent.

22. Monitoring results of the Subsidence Monitoring Programme shall be included in the Annual Work Plan and forwarded to the Council.

#### **Hazardous Substances**

23. The Consent Holder shall ensure that all fuels, oils and chemicals stored or used at the site are contained in appropriately bunded facilities and that all fuel/oil dispensers are fitted with non-return valves. Run-off from such storage areas shall be directed

through oil/water separators and shall not contain more than 20 g/m<sup>3</sup> of total petroleum hydrocarbons nor more than 100 g/m<sup>3</sup> of total suspended solids.

24. Refueling, lubrication and any mechanical repairs shall be undertaken in an area that provides sufficient mitigation measures to ensure that no spillages onto the land surface or into water occur.
25. All substation facilities containing transformers that hold more than 200 litres of oil shall provide for secondary containment sufficient in size to hold the volume of oil stored in the largest transformer.

*Note: The storage of hazardous substances shall take place in accordance with Materials Safety Data Sheets and the Hazardous Substances and New Organisms Act 1996.*

### **Contingency and Response Plan**

26. Prior to undertaking any activities authorised by these consents, the Consent Holder shall prepare a Contingency and Response Plan that sets out the procedures to be followed by it and parties under its control in the event of any accidental discharge of contaminants not specifically authorised by the conditions of these consents. The plan may be amended, as the Consent Holder considers appropriate, during the period of these consents. A copy of any amendments are to be supplied to the consent authority.
27. The Contingency and Response Plan shall as a minimum address the following matters:
  - a. Accidental spills of oil, fuel or chemicals at the ~~Blackwater Gold Project~~ site.
  - b. Rupture or spillage from any pipeline transporting material, water or contaminants around the mine site.
  - c. Spillages during transportation of hazardous substances or gold ore to or from the mine site.
  - d. A list of all hazardous substances and potentially contaminating materials held on site and the procedures to be adopted in the event of spillage of any of these substances or materials.
  - e. Emergency response procedures and emergency contacts during the event of:
    - Power failure; and
    - Fire; and
    - Natural event/disaster.
  - f. The personnel who will be on site and their responsibilities, such that the provisions of the plan can be implemented at all times.
28. At any time during the period of these consents, a copy of the latest version of the Contingency and Response Plan, prepared in accordance with Condition 26 above, shall be forwarded to the Consent Authority if so requested.
29. The Consent Holder shall ensure that a copy of the Contingency and Response Plan, prepared in accordance with Condition 26, is kept on site at all times and all appropriate



personnel listed under Condition 27 are made aware of the Plan's contents.

### **Rehabilitation and Closure Plan**

30. Prior to any activities commencing under these consents, the Consent Holder shall prepare and submit to the Consent Authority a comprehensive site Rehabilitation and Closure Plan detailing the rehabilitation strategies for all facilities and operational areas to be adopted during operation of the mine and post-mining phase in order that compliance with all closure and rehabilitation conditions of the consents can be achieved.
31. The Rehabilitation and Closure Plan shall as a minimum address the following specific objectives:
- a. To set out over a five-to-ten year timeframe, the closure and rehabilitation requirements for the site.
  - b. To establish an appropriate vegetation cover that avoids planting large and deep-rooted trees on the waste rock stack that have the potential to impair the integrity of the waste rock capping layer.
  - c. To ensure short and long term stability of all structures and works and their surrounds including diversion channels which have been created to maintain the integrity of the waste rock stack landform and to prevent water ingress into the waste rock stack permanently.
  - d. To minimise maintenance after completion of rehabilitation.
  - e. To protect water and soil from the effects of erosion.
  - f. Except where any permanent diversions or modifications are necessary to maintain the integrity of any permanent features on the site, such as the waste rock stack, the Consent Holder shall be required to restore all disturbed watercourses, including their banks and beds, to a natural and stable condition.
  - g. To ensure water leaving the Blackwater Gold Project site, including the portal and associated waste rock stacks and the tailings storage facility, is in a condition suitable for aquatic life and to ensure that it achieves the water quality limits of Regional Consent RC13042-12 without active treatment.
  - h. To remove all buildings, structures, plant and equipment including the water and containment treatment plant, if required.
  - i. To control pest plants on the Blackwater Gold Project site.
32. All rehabilitation shall address the following specific matters:
- a. **Topsoil and Vegetation Cover**
    - i The Consent Holder shall as far as practicable, stockpile topsoil, unless the material is required for construction purposes. All salvaged material shall be used for rehabilitation purposes.
    - ii Revegetation shall be progressive as areas of practical working size become available.
    - iii All areas that have been revegetated under these consents shall be maintained as necessary to ensure that they meet the objectives under Condition 31 at all times.
  - b. **Waste Rock Stacks/Tailings Storage Facility**
    - i The Consent Holder shall design and construct ~~all~~ the waste rock stacks and



Rehabilitation and Closure Plan prepared pursuant to Condition 30.

35. Once sites presently comprising indigenous forest are no longer required for mine operations (e.g., the margins of the Snowy Decline tunnel entrance), restoration will be undertaken using appropriate native species following the procedures outlined in the ~~Blackwater Gold Project~~ Rehabilitation and Closure Plan prepared pursuant to Condition 30.
36. Where practicable, the Consent Holder shall salvage all topsoil and forest duff including vegetation, subsoil, logs and boulders from areas to be disturbed under this consent, for use in rehabilitating areas of disturbance.

### Annual Work Plan

37. Before exercising this consent, the Consent Holder shall submit the first Annual Work Plan to the Consent Authority and thereafter submit an Annual Work Plan prior to each anniversary of the date of commencement of the consent. A copy of the Annual Work Plan shall also be provided to the Snowy River Liaison Group.
38. The Annual Work Plan shall include:
  - a. A description of all the mining operations, mitigation measures, rehabilitation, monitoring and reporting carried out in the ~~last~~ previous 12 months.
  - b. An explanation of any departure in the last 12 months from the previous Annual Work Plan.
  - c. A detailed description of all mining operations, mitigation measures, rehabilitation, monitoring and reporting intended to be carried out in the next 12 months with an approximate timetable of events.
  - d. Long-term projections and intentions for mining operations and/or closure and rehabilitation in relation to the future exercise of this consent.
  - e. An explanation of any intended departure from any previous Annual Work Plan in the next 12 months.
  - f. A description and analysis of any unexpected adverse effect on the environment that has arisen as a result of the exercise of the consent in the ~~last~~ previous 12 months and the steps taken to deal with it and the results of those steps.
  - g. A summary of any complaints received and the mitigation measures adopted.
  - h. A full report describing and evaluating the mitigation measures used in the ~~last~~ previous 12 months.
  - i. A full report on the rehabilitation undertaken during the exercise of the consent and the results of these measures.
  - j. Plans showing the actual footprints of all works and structures and any proposed changes at the end of the next 12 months. This shall include where appropriate, detailed design and/or as built plans relating to the structures (including the waste rock stack) and infrastructure established at the site.
  - k. Plans showing the actual contours of all works and structures and any proposed changes in contours at 10 metre intervals at the end of the next 12 months.
  - l. An up to date and detailed calculation of the cost of dealing with any adverse effects on the environment arising or which may arise from the exercise of this consent.

- m. An up to date and detailed calculation of the cost of rehabilitation of the site.
  - n. An up to date and detailed calculation of the costs of the monitoring required by the conditions of this consent and until the consent expires.
  - o. An up to date mine closure plan describing in detail the steps that would need to be taken if mining operations stopped in the next 12 months, how the Consent Holder proposes to comply with the conditions of this consent on closure and an up to date and detailed calculation of the costs of complying with all conditions of consent if mining were to stop in the next 12 months.
  - p. Any other information required by any other condition of this consent.
39. The up to date costs of rehabilitation, monitoring and compliance with all conditions of this consent, as required by Parts l to o of Condition 38 above shall be independently audited and provided to the Consent Authority with the Annual Work Plan.
40. The Consent Authority may at any time commission an additional independent audit of the costs of rehabilitation, monitoring and compliance with all conditions of this consent, as provided by Condition 39 above. The Consent Holder shall meet the costs of any such audit.
41. The Consent Holder shall provide the Consent Authority with any further information, or report, which the Consent Authority may reasonably request after considering any Annual Work Plan. This information or report shall be provided in the time and manner required by the Consent Authority.
42. The Consent Holder shall exercise the consent in accordance with the Annual Work Plan.
43. The Consent Holder may, at any time, submit to the Consent Authority an amended Annual Work Plan provided it complies with all other conditions of the consent. Any amendments shall also be provided to the Snowy River Liaison Group.

#### **Specific Conditions for consent**

44. The mine area boundaries shall be confirmed and clearly marked before any vegetation disturbance or earth works take place.
45. Public access is not to be permanently restricted on legal road reserve.
46. As far as practicable, lighting shall be focused and shaded to minimise glare and lightspill and so as not to create a nuisance to residents, traffic, or to act as a distraction to wildlife.
47. The colours used for all buildings and structures shall be recessive.
48. The modification of riparian margins associated with development of the ~~Blackwater Gold Project~~ site shall be restricted to within the identified areas bound by yellow hatched lines on the plan titled Blackwater Conceptual Plan of Snowy Site numbered EDENG0102. The total area of riparian margin modification shall not exceed those

identified areas by more than 10%.

49. The removal of indigenous vegetation associated with development of the ~~Blackwater Gold Project site~~ shall be restricted to within Section 10 Blk XVI Mawheraiti SD in addition to the identified areas bound by yellow hatched lines on the plan titled Blackwater Conceptual Plan of Snowy Site numbered EDENG0102. The total area of indigenous vegetation clearance shall not exceed those identified areas by more than 10%.

### **Construction and Operational Management Plan**

50. Prior to undertaking any activities authorised by these consents, the Consent Holder shall prepare and submit to the Consent Authority a Construction and Operational Management Plan that sets out the practices and procedures, with respect to construction and operation of the ~~Blackwater Gold Project site~~, to be adopted in order that compliance with the conditions under this consent can be achieved.
51. The Construction and Operational Management Plan shall as a minimum address the following matters:
- a. Description of all construction works, construction methods and equipment to be used.
  - b. Construction programme including timetable, sequence of events and duration.
  - c. Detailed design, location, operation and maintenance of stormwater runoff control and sediment control facilities during construction activities and operation of the mine site, including detailed engineering plans and design specifications for temporary and permanent silt dams and diversion channels.
  - d. Detailed plans and specifications for the alignment of the access road, the location and placement of the bridge and culverts, and areas of cut and fill on the roads.
  - e. Procedures for stripping and salvage of vegetation, soil material and other material suitable for rehabilitation purposes.
  - f. Landscaping and rehabilitation of disturbed areas after the initial construction phase at the ~~Blackwater Gold Project site~~, where appropriate.
  - g. Monitoring, complaints and reporting procedures during construction activities and operation of the ~~Blackwater Gold Project site~~.
  - h. Procedure for locating, recording and documenting historical mine sites at the ~~Blackwater Gold Project site~~.
  - i. Training and supervision of operators and contractors during construction activities and operation of the ~~Blackwater Gold Project site~~.
  - j. Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) for the following structures and activities:
    - i. Mine decline and portal area.
    - ii. Silt dams and any other dam structures.
    - iii. All bridges and culverts.
    - iv. Waste rock stacks.
    - v. Processing plant and water treatment plant.
  - k. The Consent Holder shall provide a certificate(s) to the Consent Authority, signed by a Registered Engineer experienced in the construction of structures stating

that the engineering plans relating to the structures have been designed in accordance with accepted civil engineering practices and the Building Act.

- ~~l. Details on the management of ore trucks operating on Snowy River Road. This shall include information relating to scheduling the movements of trucks and any passing bays required for trucks passing on Snowy River Road.~~
- ~~lm. Mitigation measures to avoid nuisance dust emissions from the Blackwater Gold Project site.~~

52. The Construction and Operational Management Plan shall comply with the relevant conditions of this consent and may be amended, as the Consent Holder considers appropriate during the period of this consent. Any amendments to the Plan must be submitted to the Consent Authority as soon as practicable.
53. All activities authorised by this consent shall be undertaken in accordance with the provisions of the Construction and Operational Management Plan prepared pursuant to Condition 50 of this consent.

### Hours of Operation

54. Mining and ancillary activities may operate 24 hours a day, seven days a week.

### Truck Operations

55. Trucking movements along Snowy River Road related to mining and ancillary activities shall only occur between the hours of 7am and 9.30pm.
56. Truck movements related to construction and site establishment ~~mining and ancillary~~ activities along Snowy River Road shall not exceed a maximum of ~~28~~ 14 heavy vehicle trips movements per day. Truck movements related to mining and processing activities along Snowy River Road shall not exceed a maximum of 10 heavy vehicle movements per day. ~~Notwithstanding this, for 60 days per annum this may increase to 48 vehicle trips per day provided that the Consent Holder shall give 5 days notice of truck movements to the occupiers of land in Snowy River Road.~~
57. Trucking operations shall be scheduled around the school bus timetable so trucks are not using Snowy River Road when the school bus is using the road.

### Roading

58. That the road to be formed on Council road reserve, or any alterations, upgrades or additions to existing road on road reserve shall be formed in accordance with NZS 4404: 2010.
59. Prior to any works being undertaken in accordance with Condition 58, the Consent Holder shall submit 'proposed' engineering designs including plans and specifications identifying the extent of the proposed road construction works, together with a Design and Access Statement prepared in accordance with NZS4404:2010. The engineering designs shall include details of all aspects of the alterations and certification from a Chartered Professional Engineer practising in Civil Engineering that all proposed works comply with NZS 4404:2010. The designs are to be approved by Council's Manager

of Operations prior to physical works being undertaken.

*Advice Note: The applicant will seek approval from Council's Manager of Operations for any variation to the requirements of NZS 4404:2010. Any variation approved will be recorded in writing and must be confirmed prior to construction.*

60. All construction work on road reserve is to be undertaken by a Council approved contractor.
61. The consent holder shall install all road marking and signage on road within Council road reserve outlined in Condition 59 in accordance with NZS4404:2010.
62. On completion of the road construction and prior to the commencement of activities on site, certification in accordance with NZS4404:2010 from the supervising Chartered Professional Engineer who oversaw the construction of works within the road reserve outlined in Condition 59, shall be provided to Council confirming that the roading has been constructed to the design approved under Condition 59. The Chartered Professional Engineer must also prepare and supply to the Council As-Built plans in a form acceptable to Council as outlined in Appendix 1. In accordance with NZS4404:2010 the Chartered Professional Engineer shall provide test results for all materials used as requested by the Council's Manager of Operations
63. That any damage to the roads attributable to the mining operations will be repaired by the consent holder. Damage is to be repaired as soon as possible.
64. The consent holder shall seal Snowy River Road from the end of the existing seal to the turn off to the proposed bridge over the Snowy River. This is a distance of approximately 500 metres.
65. The Consent Holder shall maintain the access road and bridge for the duration of the consent.
66. The consent holder shall construct passing bays on Snowy River Road. The number, location and formation standards of these are to be agreed by the Manager Operations through the 'proposed' engineering designs which are required under Condition 59. Passing bays shall be entirely constructed on the legal road reserve.
67. Trucks using Snowy River Road in relation to mining and ancillary activities shall only pass each other using constructed passing bays.
68. Standard New Zealand Transport Agency warning signs (type PW-31) are to be placed on Snowy Road stating, "Children". These signs to be paid for by applicants and placed near the Mossy Creek Bridge No.1 and the State Highway 7 intersection of Snowy River Road.
69. That all ore is to be transported using truck and/or truck and trailer units. If any rock material is to leave the site via a truck and/or trailer unit, these trucks and trailers are

to be covered.

70. The Snowy Road intersection with State Highway 7 shall be widened in accordance with NZ Transport Agency's Rural Road Intersection layout, but without the requirement for kerbing and channelling.
71. The centre of Snowy River Road at the intersection with State Highway 7 will be relocated north by approximately 10 metres and will be aligned perpendicular to State Highway 7 over the last 10 metres. The distance of 10m can be modified if the design can be shown to achieve a perpendicular alignment with the State Highway.
72. Full seal widening in accordance with Rural Road Intersection layout shall be undertaken on State Highway 7 south of the Snowy River Road intersection. Seal widening to the north of the Snowy River Road intersection shall be shortened to accommodate the guardrail on the approach to Snowy River bridge.
73. The Snowy River Road approach to the intersection with State Highway 7 shall be widened for approximately 50 metres down Snowy River Road from the intersection.
74. ~~Truck crossing~~ Side road warning signs (W-11) shall be installed to the north and south of the Snowy River Road intersection with State Highway 7.
75. Those works identified in conditions 70 to 74 shall be completed within one month of mining and ancillary activities commencing except where this would result in the works occurring during 1 May to 30 September outside the 'sealing season' in which case the works will be completed within one month of (the next occurring) 1 October.

*Advice Note: In order to minimise light vehicle movements along Snowy River Road, the Conditions of RC220060 require 20% of the work force (calculated relative to either the construction or mining workforce) to be transported to the site via vans/buses.*

## **Blasting**

76. A programme of blasting times shall be notified publicly by way of notice erected at the road entrance to the mine area and by circular or public advertisement to local residents, the Department of Conservation, West Coast Regional Council and the Buller District Council prior to any such blasting taking place and at regular intervals not exceeding twelve months thereafter (this notice can be contained in the annual work plan provided to the Buller District Council in accordance with condition 37). Changes to the blasting programme shall be notified at least three days prior to implementation.
77. Blasting above-ground shall be restricted to the hours between 6:30am and 6pm during portal development.
78. There shall be no restriction on the hours during which underground blasting may be



undertaken.

79. Sound generated by the use of explosives shall be assessed within the notional boundary of any dwelling not owned by the Consent Holder other than on the site to which the consent applies, and shall not exceed a peak overall sound pressure level of 120 dBA measured at a suitable location as specified in AS2187.
80. Subject to application of NZS 6801:1991 and NZS 6802:1999 for measurement of sound, all use of explosives and measurement shall be in accordance with Australian Standard AS 2187.2 – 1993 "Explosives – Storage, Transport and Use, Part 2 Use of Explosives".
81. Details of all blasts shall be entered into a record book kept for that purpose and shall be available to the Buller District Council on request.
82. The peak overall sound pressure level due to air blast shall not exceed 128 dB linear unweighted measured at any private residence not owned by the Consent Holder.
83. Ground vibration levels measured at any residence not owned by the Consent Holder shall not exceed 10 mm per second peak particle velocity measured in the frequency range of 3 hertz to 20 hertz, thereafter NZS 4403 Code of Practice for the Storage, Handling and Use of Explosives or any other Codes of Practice which may from time to time be current shall apply.
84. The Consent Holder shall monitor blasting activities. Monitoring sites shall be located 20 metres from the most exposed face of the two dwelling houses closest to the Snowy Decline which are not owned by the Consent Holder. Any exceedances shall be reported to the Council within 48 hours of recording.
85. The Consent Holder shall undertake blast monitoring at three monthly intervals for at least 12 months following the commissioning of the Snowy Decline. In the event of the above monitoring indicating compliance with the conditions, the frequency of monitoring will change from three monthly to six monthly periods with results being reported in the annual work plan.

### **Heritage**

86. If previously unrecorded archaeological material is uncovered or observed during work in any location (and in accordance with condition 87 – 89) work shall cease immediately. An archaeologist should be brought onto site to record the disturbed material and to advise what further archaeological work may be required before work is allowed to recommence. The archaeologist should be given the opportunity to examine any archaeological deposits disturbed by the work, and to make recommendations for further detailed examination of these deposits where appropriate.
87. Notwithstanding condition 88, an archaeologist shall be present to monitor all work that involves disturbance to any known archaeological site to record sites or information

that may be revealed, and to advise what further archaeological work may be required before work is allowed to recommence. The archaeologist should be given the opportunity to examine any archaeological deposits disturbed by the work, and to make recommendations for further detailed examination of these deposits where appropriate.

88. An Accidental Discovery Protocol shall be prepared to establish procedures for identifying, reporting and managing any features of archaeological significance that may be uncovered during the exercise of this consent.
89. Should any cultural artefacts be discovered during the development, the applicant will inform Te Runanga O Ngai Tahu and Te Runanga O Ngati Waewae of the discovery.

### Noise

90. Subject to the express provisions of this condition noise level shall be measured in accordance with the requirements of New Zealand Standard, NZS 6801: 1999 “*Acoustics - Measurement of Environmental Sound*”. And assessed in accordance with the provision of the New Zealand Standard, NZS 6802: 1991 “*Assessment of Environmental Sound*”.

*Note: the measurement of noise differs to the measurement of blasting noted in conditions 76-85.*

91. All equipment and machinery shall be regularly maintained to ensure noise levels are as low as reasonably attainable but at no time shall they exceed the levels permitted by the consent.
92. The Consent Holder shall prepare, adopt and maintain a Trucking Noise Management Plan for the ~~Blackwater Gold Project Mining site~~ operations. This plan is to detail measures to mitigate production of unreasonable noise associated with trucking operations. This shall include information relating to the speed of trucks, hours of operation of trucks, maintenance of roading surfaces and maintenance of trucks and associated equipment.

### Operational Noise

93. All activities shall be carried out so as to ensure the following noise limits are not exceeded within the timeframes stated:
  - 8 am- 11pm daily Monday to Friday and Saturday 8am to 6pm 55dBA L<sub>10</sub>
  - at all other times including any public holiday 45dBA L<sub>10</sub> 75dBA L<sub>max</sub>

The assessment location shall be at any point within the notional boundary of any dwelling other than a dwelling on the site to which the consent applies. Sound levels shall be assessed in accordance with the provisions of NZS 6802:1991 *Assessment of Environmental Sound*. Adjustments for special audible characteristics, if warranted, shall apply as provided for in clause 4.3-4.4 of NZS 6802:1991.

## Construction Noise

94. Construction noise from activities on the site shall be measured and assessed in accordance with NZS 6803:1999 *Acoustics – Construction Noise* and subject to the proviso following the table, shall not exceed the noise limits for the relevant timeframe stated in Table 1 below.

Table 1 Noise Limits for Construction Noise

Time of week	Time period	Duration of work*					
		Typical duration dBA		Short term duration dBA		Long term duration dBA	
		Leq	Lmax	Leq	Lmax	Leq	Lmax
Weekdays	0630-0730	60	75	65	75	55	75
	0730-1800	75	90	80	95	70	85
	1800-2000	70	85	75	90-	65	80
	2000-0630	45	75	45	75	45	75
Saturdays	0630-0730	45	75	45	75	45	75
	0730-1800	75	90	80	95	70	85
	1800-2000	45	75	45	75	45	75
	2000-0630	45	75	45	75	45	75
Sundays and public holidays	0630-0730	45	75	45	75	45	75
	0730-1800	55	85	55	85	55	85
	1800-2000	45	75	45	75	45	75
	2000-0630	45	75	45	75	45	75

"Duration of work" – In this table:

"short-term" means construction work at any one location for up to 14 calendar days;

"typical duration" means construction work at any one location for more than 14 calendar days but less than 20 weeks; and

"long-term" means construction work at any one location with a duration exceeding 20 weeks.

Provided that the provisions of the Standard related to the duration of construction events and the more or less stringent noise limits in Table 1 which are applicable in such circumstances shall apply.

## Noise and Vibration Monitoring

95. The Consent Holder shall be responsible for monitoring noise generated by any activities on the site. For construction noise, monitoring shall be every month for 6 months then should no non compliances occur, every 6 months during the decline portal construction, monitoring is also required in the event any complaints are received.

96. For non-construction activities, monitoring shall be undertaken one yearly intervals' or as it is necessary to identify problem sources of noise. Measurements shall be undertaken by suitably trained staff working under the direction of an appropriately qualified person.

97. Where the Consent Holder detects a breach of the noise limits contained in the conditions of consent, the Consent Holder shall immediately investigate the activity identified as responsible for the breach and ensure that appropriate remedial action is

taken to comply with the noise limits in these conditions.

98. Reports on Noise Monitoring activities shall be forwarded to the Council on request and at least annually within one month of the anniversary of the issue of this consent or be contained in the Annual Work Plan or other convenient date as may be agreed between the Consent Holder and the Council.
99. The Consent Holder shall maintain a written register of all complaints regarding noise including vibration. The Consent Holder shall advise the Buller District Council within 48 hours of any complaint regarding operational or construction noise and of the action taken to remedy or mitigate the cause of the complaint. A report relating to noise emissions for the previous year shall be compiled annually contained in the annual work plan and include the following:
- (i) The results of noise and any vibration monitoring together with interpretative comments;
  - (ii) The measures adopted to control emissions and the success of these measures;
  - (iii) Any modifications to be introduced to more effectively control noise levels at the site;
  - (iv) Any incidents or problems with achieving consent compliance;
  - (v) A summary of any complaints received and the mitigation measures that were adopted.

### **Development Contribution**

100. Should the value of the proposed development amount to a total of \$500,000 or above, in accordance with Part 8 of the Buller District Plan a financial contribution of cash shall be paid to Buller District Council for the provision of reserves and facilities. The calculation for assessing the financial contribution shall be 0.5% of the total value of the development. The consent holder shall advise Council of the value of the proposed development, and shall pay the cash amount of the contribution to the Buller District Council prior to the commencement of any works covered by this consent. The calculation of the development contribution shall be based on the estimated costs of the following components of the activity:
- i. Construction of buildings (i.e. total cost of all buildings),
  - ii. Costs of drainage works and road formation, and
  - iii. Costs associated with removal of vegetation (excluding costs of rehabilitation planting etc).

### **Surrender of Previous Consent**

101. The physical works approved under this consent cannot be undertaken until such time as Resource Consent 040010 issued by the Buller District Council has been surrendered.

### **Compensation**

102. The Consent Holder shall prepare a strategy to compensate for the temporary removal of trees from the Snowy River site for the purposes of mining operations. Options for this compensation include:

- (a) Planting around the perimeter of the site with native trees;
- (b) Partnering with “Trees That Count” project to support the planting of native trees on the West Coast in cooperation with community planting initiatives; or
- (c) Any other community or regional planting initiatives which align with the strategy goals.

The Consent Holder shall provide an annual update on the implementation of this strategy and include this as part of the Annual Work Plan reporting required under Condition 37.

### **Snowy River Liaison Group**

103. The Consent Holder shall facilitate the establishment of a Snowy River Liaison Group and shall invite representation from Te Runanga O Ngati Waewae, the Department of Conservation, the landowners, West Coast Regional Council and Buller District Council. The Consent Holder shall be responsible for convening meetings every six months, the provision of a venue for the meetings, and providing any necessary administrative assistance to the working party. The Consent Holder shall ensure that the invitations to attend meetings are sent at least three weeks prior to each meeting and shall facilitate any other meetings, if decided necessary by the group.
104. Should any of the external parties referred to in Condition 103 choose not to continue to be part of the Snowy River Liaison Group (at any point), then the Consent Holder shall not be deemed to be in breach of these Conditions.
105. The purpose of the meetings shall be for the Consent Holder to present the monitoring results, review results and discuss these with the parties, and provide project updates and planned mine works and progress, including at the appropriate time, details relating to closure and rehabilitation of the mine site. The Consent Holder shall provide an update on any non-compliance with Conditions and processes being undertaken to address any non-compliance.
106. The Consent Holder shall liaise with the Snowy River Liaison Group five years prior to the conclusion of the onsite site processing to discuss the Closure Plan for the site to confirm closure criteria and necessary actions to facilitate closure. This time frame is to allow for consideration of future technologies and processes which may be applied to allow for an enhanced environmental outcome. Any feedback received shall be incorporated into the final Rehabilitation and Closure Plan prepared in accordance with Condition 30.

### **REASONS FOR DECISION**

Section 113(4) of the Resource Management Act 1991, requires that every decision on a resource consent that has not been notified shall be in writing and state reasons for the decision.

1. The three affected party approvals, being Waka Kotahi, Department of Conservation and Granville Mining Ltd have been provided.

2. The subject site is an active mine with established infrastructure (including offices, workshops and water management systems) and a WRS under construction. The proposed extended WRS and water management facilities are located within the consented Snowy River Mine footprint and will be subject to the existing suite of consent Conditions including rehabilitation and bonding obligations.
3. Various technical reports including Landscape and Noise assessments have concluded that the potential landscape and amenity effects to be no more than minor. The proposed changes are unlikely to result in any discernible off-site noise, amenity or visual effects.
4. The Water and Geochemical reports have concluded that with the proposed water treatment measures, water quality is expected to remain within compliance limits and within recommended acceptable environment limits for freshwater values. Potential effects on water quality and freshwater values are expected to be scrutinised through the regional consent process.
5. The proposal is considered to achieve the sustainable management purpose of the Resource Management Act 1991 and is consistent with the objectives and policies of the operative District Plan and the proposed Te Tai o Poutini Plan.

Please note that a copy of the Planning Officer's Report, which explains further the reasons given above, can be forwarded to you on request and is also available at the Council office to view.



Dated at Westport this 13<sup>th</sup> day of January 2023

Appendix B

Decision 220060

File Reference: RC220060  
Valuation Roll No. 1900020200

13 January 2023

Oceana Gold NZ Ltd c/- Federation Mining  
c/- Mitchell Daysh Limited  
PO Box 489  
Dunedin 9054

By email: [claire.hunter@mitchelldaysh.co.nz](mailto:claire.hunter@mitchelldaysh.co.nz) / [sdelander@federationmining.com.au](mailto:sdelander@federationmining.com.au)

Dear Claire

### **APPLICATION FOR RESOURCE CONSENT RC220060**

The Buller District Council's decision on the abovementioned resource consent is enclosed.

If you are happy with the decision made by Council, the consent may be acted upon subject to any conditions included in the decision. Council staff will monitor the site to check that conditions have been complied with.

If not acted upon, the consent will lapse after five years from the date of the decision, unless otherwise specified in this decision or unless extended upon application to Council. Please refer to section 125 of the Resource Management Act 1991 (RMA) for further details.

If you do not agree with the whole or any part of the decision, you may appeal the whole or any part of the decision to the Environment Court. An appeal may be lodged with the Environment Court within 15 working days of the date of this notification being delivered to you in the normal course of post. The address of the Environment Court is PO Box 2069, Christchurch 8140. A copy of any appeal should also be sent to the Buller District Council, PO Box 21, Westport 7866.

Please refer to sections 120-121 of the RMA and also the Resource Management (Forms, Fees and Procedure) Regulations 2003 for further details on appealing resource consent decisions.

If you are in doubt about your rights to appeal, or require an extension of time, you should discuss this with your solicitor/agent.

If you have any further queries please do not hesitate to contact me.

Yours faithfully



**Carissa du Plessis**  
**TEAM LEADER - PLANNING**



## RESOURCE CONSENT DECISION - RC220060

Pursuant to Sections 104, 104B and 108, of the Resource Management Act 1991, Buller District Council **GRANTS** the applications by OceanaGold (New Zealand) Limited **subject to the Conditions below.**

### The Approved Activity:

Land use consent to construct, operate and maintain a processing plant and associated infrastructure to process extracted ore from the underground mine at the Snowy River Mine site.

### Location:

Address: Snowy River Road, Ikamatua  
Legal Description: Sections 9-10 Blk XVI Mawheraiti SD  
Record of Title: NL10A/347

### Approved Plan:

- The Site plan prepared by Pattle Delamore Partners Ltd titled: '*Fig 1: WRS Consented & New Design footprint*', dated Mar 2022. The processing plant location is shown in hatched black.

Please note that the plan which is approved is stamped 'Approved Plan' and attached to this consent.

### CONDITION(S):

Pursuant to Section 108 of the Resource Management Act 1991 this consent is granted subject to the following conditions:

1. The activity shall proceed in general accordance with the submitted Application and Assessment of Environmental Effects (AEE) dated 17 June 2022, the relevant supporting technical documents and the relevant plan as detailed above and stamped as approved, except where the following conditions take precedence.
2. All activities authorised by this consent shall be undertaken in accordance with the following provisions of RC130025:
  - (a) Hazardous Substances - Conditions 23 to 25;
  - (b) Contingency and Response Plan – Conditions 26 to 29;
  - (c) Rehabilitation and Closure Plan – Conditions 30 to 33; and
  - (d) Construction and Operational Management Plan – Conditions 50 - 53

The Management Plans shall be modified where necessary, to take account of and be consistent with the Application and AEE dated 17 June 2022 for the processing plant facilities. Any amended Management Plans shall be submitted to the Council's Planning Department prior to construction of the processing plant commencing.

3. The main elements of the processing plant shall be finished in materials and colours that are dark green or grey shades so as to blend with the forested landscape.
4. In order to minimise light vehicle movements along Snowy River Road, the Consent Holder shall offer a van/bus service to transport workers to the site during the

construction and mining phases. As a minimum, 20% of the work force (calculated relative to either the construction or mining workforce) shall be required to be transported to the site via vans/buses.

5. All actual and reasonable costs incurred by this Council in monitoring, enforcement and administration of this consent shall be met by the consent holder.

**NOTE(S):**

1. A monitoring administration fee of \$100.00 has been included on your consent invoice. Please note that further fees are likely in accordance with Condition 5.
2. Pursuant to section 127(1) of the Resource Management Act 1991, the Consent Holder may apply to the consent authority for a change or cancellation of any condition of this consent.
3. Pursuant to Section 128(1)(a) and 128(1)(c) of the Resource Management Act 1991, the Consent Authority may review any condition of this consent within eight years from the date of issue for any of the following purposes:
  - (a) To deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or
  - (b) To deal with inaccuracies contained in the consent application that materially influenced the decision made on the application and are such that it is necessary to apply more appropriate conditions.
4. This consent shall lapse five years after the decision date if not given effect to.

**REASONS FOR DECISION**

Section 113(4) of the Resource Management Act 1991, requires that every decision on a resource consent that has not been notified shall be in writing and state reasons for the decision.

1. The three affected party approvals, being Waka Kotahi, Department of Conservation and Granville Mining Ltd have been provided.
2. The subject site is an active mine with established infrastructure (including offices, workshops and water management systems) and a WRS under construction. The proposed processing plant will be constructed within the existing consented footprint of the Snowy River Mine and the Landscape Report anticipates that most, if not all of the plant will be screened by the WRS.
3. The Applicant has volunteered a Condition in order to mitigate the traffic effects of the proposal that will result in daily light vehicle movements at levels comparable to the consented environment, and the Transport Report concluded that traffic volumes are low

and will have less than minor effects on Snowy River Road.

4. The proposal is considered to achieve the sustainable management purpose of the Resource Management Act 1991 and is consistent with the objectives and policies of the operative District Plan and the proposed Te Tai o Poutini Plan.

Please note that a copy of the Planning Officer's Report, which explains further the reasons given above, can be forwarded to you on request and is also available at the Council office to view.



Dated at Westport this 13<sup>th</sup> day of January 2023

## Appendix C

Decision RC13042-V1 and

Decision RC-2022-0079



388 Main South Rd, Paroa  
P.O. Box 66, Greymouth 7840  
The West Coast, New Zealand  
Telephone (03) 768 0466  
Toll free 0508 800 118  
Facsimile (03) 768 7133  
Email info@wcr.govt.nz  
www.wcrc.govt.nz

Enquiries to: Rachel Clark  
File Ref: RC13042-V1

16 January 2023

Oceana Gold Ltd  
C/- Mitchell Daysh Ltd  
PO Box 489  
DUNEDIN 9054  
**Attention Claire Hunter**

Dear Ms Hunter

**RC13042-V1 - DECISION ON APPLICATION TO AMEND CONDITIONS RELATING TO THE PROCESSING OF ORE ON SITE, SNOWY RIVER MINE**

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By delegated authority of Council you are advised that the above application for a change and cancellation of consent conditions, pursuant to Section 127 of the Resource Management Act 1991, has been granted to Oceana Gold Ltd as follows:

**Old Purpose**

**RESOURCE CONSENT NO.**

	<b><i>type of resource consent</i></b>	<b><i>activity/location</i></b>
RC13042-01	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of the access roads and haul roads and a bridge over the Snowy River (including undertaking works in the riparian margins of the Snowy River), install culverts, disturb the bed of an unnamed tributary, and erect structures in the tributary. Cut and fill and undertake earthworks to create the mine site at the Snowy Road site, including construction, use, maintenance and rehabilitation of diversion drains.
RC13042-02	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of temporary and permanent silt ponds, sumps, bunds and treatment wetland.
RC13042-03	Land Use Consent	To undertake vegetation clearance associated with the construction, use, maintenance and rehabilitation of the Blackwater Mine including construction of infrastructure (including but not limited to pipelines and utilities), roads and a bridge over the Snowy River and other areas to be

		disturbed.
RC13042-04	Land Use Consent	To construct the Snowy Decline and undertake associated earthworks.
RC13042-05	Land Use Consent	To disturb the river bed of the Snowy River for geotechnical testing and construction and use of a bridge over the Snowy River.
RC13042-06	Land Use Consent	To extract gravel from the dry bed of the Snowy River.
RC13042-07	Water Permit	To divert stormwater around disturbed areas to silt ponds and to divert clean stormwater runoff from undisturbed areas to local surface drainage channels to minimise silt control requirements.
RC13042-08	Water Permit	To recycle surface water and groundwater from Snowy Decline for mine operational purposes.
RC13042-09	Water Permit	To take groundwater from the Snowy Decline for dewatering purposes (to maintain dry working conditions in the shaft and underground workings).
RC13042-10	Water Permit	To take water for use in mining, for dust control and for domestic purposes from the Snowy River.
RC13042-11	Water Permit	To divert water for the purpose of constructing a bridge across the Snowy River.
RC13042-12	Discharge Permit	To discharge surface water, groundwater and contaminants to land at the Snowy Road site (being water associated with drilling, underground operations, decline development, stormwater from the portal area, waste rock stack, ore stockpile and infrastructure area) in circumstances that will result in that water and contaminant entering the Snowy River.
RC13042-13	Discharge Permit	To discharge up to 1.1 million m <sup>3</sup> of waste rock to land at the Snowy Road.
RC13042-14	Discharge Permit	To discharge heat and other contaminants (including dust, and vehicle emissions) to the air from mining operations and associated activities (including stockpiling and handling of waste rock and ore, venting air from the return airway tunnel and operating a diesel generator).
RC13042-15	Discharge Permit	On site discharge of sewage and greywater treatment overflow at the Snowy Road site.

**New Purpose** (amendments in red, strikethrough and underlined)

**RESOURCE CONSENT NO.**

	<b><i>type of resource consent</i></b>	<b><i>activity/location</i></b>
RC13042-01	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of the access roads and haul roads and a bridge over the Snowy River (including undertaking works in the riparian margins of the Snowy River), install culverts, disturb the bed of an unnamed tributary, and erect structures in the tributary. Cut and fill and undertake earthworks to create the mine site at the Snowy Road site, including construction, use,

		maintenance and rehabilitation of diversion drains.
RC13042-02	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of temporary and permanent silt ponds, sumps, bunds and treatment wetland.
RC13042-03	Land Use Consent	To undertake vegetation clearance associated with the construction, use, maintenance and rehabilitation of the <del>Blackwater</del> <b>Snowy River</b> Mine including construction of infrastructure (including but not limited to pipelines and utilities), roads and a bridge over the Snowy River and other areas to be disturbed.
RC13042-04	Land Use Consent	To construct the Snowy Decline and undertake associated earthworks.
RC13042-05	Land Use Consent	To disturb the river bed of the Snowy River for geotechnical testing and construction and use of a bridge over the Snowy River.
RC13042-06	Land Use Consent	To extract gravel from the dry bed of the Snowy River.
RC13042-07	Water Permit	To divert stormwater around disturbed areas to silt ponds and to divert clean stormwater runoff from undisturbed areas to local surface drainage channels to minimise silt control requirements.
RC13042-08	Water Permit	To recycle surface water and groundwater from Snowy Decline for mine operational purposes.
RC13042-09	Water Permit	To take groundwater from the Snowy Decline for dewatering purposes (to maintain dry working conditions in the shaft and underground workings).
RC13042-10	Water Permit	To take water for use in mining, for dust control and for domestic purposes from the Snowy River.
RC13042-11	Water Permit	To divert water for the purpose of constructing a bridge across the Snowy River.
RC13042-12	Discharge Permit	To discharge surface water, groundwater and contaminants to land at the Snowy Road site (being water associated with drilling, underground operations, decline development, stormwater from the portal area, waste rock stack, ore stockpile and infrastructure area) in circumstances that will result in that water and contaminant entering the Snowy River.
RC13042-13	Discharge Permit	To discharge up to 1.1 million m <sup>3</sup> of waste rock to land at the Snowy Road.
RC13042-14	Discharge Permit	To discharge heat and other contaminants (including dust, and vehicle emissions) to the air from mining operations and associated activities (including stockpiling and handling of waste rock and ore, venting air from the return airway tunnel and operating a diesel generator).
RC13042-15	Discharge Permit	On site discharge of sewage and greywater treatment overflow at the Snowy Road site.

### **Old Condition**

- 1.1 All activities authorised by these consents shall be undertaken in accordance with the information contained in the Application and Assessment of Environmental Effects dated

February 2013, and all supporting technical documents and plans, as provided to the Consent Authority, except where inconsistent with these conditions.

**New Condition** (amendments in red, strikethrough and underlined)

- 1.1 All activities authorised by these consents shall be undertaken in accordance with the information contained in the Application and Assessment of Environmental Effects dated February 2013, and all supporting technical documents and plans, and the information contained within the Application and Assessment of Environmental Effects dated 17 June 2022, and all supporting technical documents and plans. In particular, the activity shall be undertaken in accordance with the following reports, attached to the 17 June 2022 AEE:
- a) Appendix E: Snowy River Gold Project – Waste Rock Stack Preliminary Design, PDP
  - b) Appendix F: Snowy River Gold Project – Management of Mine Water, PDP
  - c) Appendix G: Geochemistry Report – Mine Waste Management, MWM

The activities that are authorised by these consents are as follows:

- Placement of up to 1.1 million cubic metres of waste rock on surface;
- Placement of material from the processing plant to a tailings cell within the waste rock stack, increasing the total of the waste rock stack to approximately 1.4 million cubic metres of material;
- Diversion of stormwater and clean water from around the mine area;
- Permanent diversion of an unnamed tributary around the waste rock stack;
- Removal of gravel from the Snowy River;
- Pumping of water from the Snowy River for mining, dust control and domestic use;
- Recycling of surface and ground water for operational purposes;
- Discharge of water to land from the onsite activities including the underground mine, the waste rock stack and the processing plant following treatment;
- Onsite discharge of sewage and grey water;
- Discharge of heat and other contaminants to the air from the waste rock stack, mine site and the processing plant;
- Vegetation clearance for mine infrastructure;
- Taking of ground water for purposes of mine dewatering; and
- Construction of a decline and associated infrastructure to enable underground mining activities to occur within site.

**New Conditions** (amendments in red)

**6. Snowy River Liaison Group**

- 6.1 The consent holder shall facilitate the establishment of a **Snowy River Liaison Group** and shall invite representation from Te Rūnanga o Ngāti Waewae, the Department of Conservation, the owners of the land on which the mine and associated infrastructure is located, West Coast Regional Council and Buller District Council. The consent holder shall be responsible for convening meetings every six months, the provision of a venue for the meetings, and providing any necessary administrative assistance to the working party. The consent holder shall ensure that the invitations to attend meetings occur are sent at least



three weeks prior to each meeting and shall facilitate any other meetings, if decided necessary by the group.

- 6.2 Should any of the external parties referred to in Condition 6.1 chose not to continue to be part of the Snowy River Liaison Group (at any point) then the consent holder shall not be deemed to be in breach of these conditions.
- 6.3 The purpose of the meetings shall be for the consent holder to present the monitoring results, review results and discuss these with the parties, and provide project updates and planned mine works and progress, including at the appropriate time details relating to closure and rehabilitation of the mine site. The consent holder shall provide an update on any non-compliance with conditions and processes being undertaken to address any non-compliance.
- 6.4 The consent holder shall liaise with the Snowy River Liaison Group five years prior to the conclusion of the onsite site processing to discuss the Closure Plan for the site to confirm closure criteria and necessary actions to facilitate closure. This time frame is to allow for consideration of future technologies and processes which may be applied to allow for an enhanced environmental outcome. Any feedback received shall be incorporated into the final Rehabilitation and Closure Plan prepared in accordance with Condition 14.

#### **New Conditions** (amendments in red)

##### **7.7 Further bond**

- a) At the conclusion of the bond term referred to in Condition 7.5, the sum of five hundred thousand dollars (\$500,000) shall continue to be held for a further period of 20 years either as a cash bond, or on such other terms as is agreed between the Consent Holder and the Councils. This bond shall be in favour of the Councils and can be used by the Councils for the purpose of remedying or mitigating any effects that arise from the mine closure and rehabilitation activities conducted by the Consent Holder.
- b) If there is any bond remaining after the expiry of the 20 year period, that remaining money can be shared equally between the Buller District Council and the West Coast Regional Council (or their successors) for the purpose of any further ongoing monitoring or rehabilitation, and or carrying out native vegetation plantings in the area.

#### **Old Condition**

- 9.2 In the event of any disturbance of Koiwi Tangata (human bones) or Taonga (artefacts, including pounamu), the Consent Holder shall:
- c) Cease any further excavation for a period of at least 24 hours;
- d) Immediately advise the Consent Authority of the disturbance;
- e) Immediately advise the Upoko of the Papatipu Runanga, or their representative, of the disturbance; and
- f) Immediately advise the Regional Archaeologist of the New Zealand Historic Places Trust except in relation to disturbance of unworked pounamu.

#### **New Condition** (amendments in red, underlined and strikethrough)

- ~~9.2~~ In the event of any disturbance of Koiwi Tangata (human bones) or Taonga (artefacts, including pounamu), the Consent Holder shall:
- (a) Cease any further excavation for a period of at least 24 hours;
- (b) Immediately advise the Consent Authority of the disturbance;

- (c) Immediately advise the ~~Upoko of the Papatipu Runanga~~ Chair of Te Rūnanga o Ngāti Waewae, or their representative, of the disturbance; and
- (d) Immediately advise the Regional Archaeologist of the New Zealand Historic Places Trust except in relation to disturbance of unworked pounamu.

### **Old Condition**

11.1 At least two months prior to undertaking any activities authorised by these Consents, the Consent Holder shall provide to the Consent Authority the following management plans:

- a) Contingency and Response Plan;
- b) Rehabilitation Plan;
- c) Construction and Operational Plan;
- d) Water Management Plan;
- e) Air Management Plan; and
- f) Annual Work Plan.

The mining activities covered by these consents shall not commence until the plans have been certified by the Consent Authority within one month of receipt as being in compliance with consent conditions, unless otherwise approved by the Consent Authority in writing.

### **New Condition** (amendments in red and underlined)

~~11.2.1~~ At least two months prior to undertaking any activities authorised by these Consents, the Consent Holder shall provide to the Consent Authority the following management plans:

- a) Contingency and Response Plan;
- b) Rehabilitation and Closure Plan;
- c) Construction and Operational Plan;
- d) Water and Contaminant Management Plan;
- e) Air Management Plan; and
- f) Annual Work Plan.

The mining activities covered by these consents shall not commence until the plans have been certified by the Consent Authority within one month of receipt as being in compliance with consent conditions, unless otherwise approved by the Consent Authority in writing.

### **Old Condition**

11.2 Subject to any other conditions of these consents, all activities shall be undertaken in accordance with the latest version of the management plans.

### **New Condition** (amendments in red and underlined)

~~11.2.2~~ The purpose of the respective management plans is set out within Conditions 14 to 18 below. Subject to any other conditions of these consents, all activities shall be undertaken in accordance with the latest version of the management plans.

### **Old Condition**

## **13. Rehabilitation Plan**

13.1 A Rehabilitation Plan shall be prepared that sets out:

- a) The rehabilitation strategies for all facilities and operational areas to be adopted during operation of the mine and post-mining phase.

### **New Condition** (amendments in red and underlined)

## **134. Rehabilitation and Closure Plan**

~~134.1~~ A Rehabilitation and Closure Plan shall be prepared that sets out:

- a) The rehabilitation strategies for all facilities and operational areas to be adopted during operation of the mine and post-mining phase.

### **Old Condition**

13.2 The Rehabilitation Plan shall as a minimum address the following specific objectives:

- a) To establish an appropriate vegetation cover.
- b) To ensure short and long term stability of all structures and works and their surrounds.
- c) To minimise maintenance after completion of rehabilitation.
- d) To protect water and soil from the effects of erosion.
- e) To restore all disturbed watercourses, including their banks and beds, to a natural and stable condition.
- f) To ensure water leaving the Blackwater Gold Project site, including the portal and associated waste rock stacks is in a condition suitable for aquatic life.
- g) To remove all buildings, plant and equipment, including water treatment plant, if required.

### **New Condition** (amendments in red, underlined and strikethrough)

134.2 The Rehabilitation and Closure Plan shall as a minimum address the following specific objectives:

- a) To set out over a five-to-ten-year timeframe, the closure and rehabilitation requirements for the site.
- b) To establish an appropriate vegetation cover that avoids planting large and deep-rooted trees on the waste rock stack that have the potential to impair the integrity of the waste rock capping layer.
- c) To ensure short and long term stability of all structures and works and their surrounds, including diversion channels which have been created to maintain the integrity of the waste rock stack landform and to prevent water ingress into the waste rock stack permanently.
- d) To minimise maintenance after completion of rehabilitation.
- e) To protect water and soil from the effects of erosion.
- f) Except where any permanent diversions or modifications are necessary to maintain the integrity of any permanent features on the site, such as the waste rock stack, the Consent Holder shall be required to restore all disturbed watercourses, including their banks and beds, to a natural and stable condition.
- g) To ensure water leaving the ~~Blackwater Gold Project~~ site, including the portal and associated waste rock stacks and the tailings storage facility is in a condition suitable for aquatic life and to ensure that it achieves the water quality limits specified in RC13042-12 without active treatment.
- h) To remove all buildings, plant and equipment, including the water and contaminant treatment plant, if required.

## **Old Condition**

13.3 All rehabilitation shall address the following specific matters:

- g) Topsoil and Vegetation Cover
  - i) The Consent Holder shall as far as practicable, stockpile topsoil, unless the material is required for construction purposes. All salvaged material shall be used for rehabilitation purposes.
  - ii) Revegetation shall be progressive as areas of practical working size become available.
  - iii) All areas that have been revegetated under these consents shall be maintained as necessary to ensure that they meet the objectives under Condition 0 at all times.
  
- h) Waste Rock Stacks
  - i) The Consent Holder shall design and construct all waste rock stacks in accordance with the Annual Work Plan.
  - ii) The Consent Holder shall locate, form and shape all waste rock stacks so that their profiles, contours, skylines and transitions closely resemble and blend with the surrounding natural landforms.
  - iii) Waste rock stacks at the portal shall be progressively revegetated in accordance with other conditions of these consents.
  
- i) Removal of Buildings and Structures
  - i) Before the expiry of the consent, the Consent Holder shall remove all buildings, structures, plant and equipment (whether attached to the land or not) associated with the exercise of these consents, unless the landowner requires them to remain for future use.
  - ii) This condition does not apply to any plant, equipment, or monitoring structure which is permitted or required to remain after these consents expire.
  
- j) Removal of Access Roads and Haul Roads
  - i) Any access roads and haul roads constructed within the area shall not remain in place for vehicle use in the future unless the landowner requires them to be left open.
  - ii) If any access roads/haul roads are not required, the road surface shall be ripped and all available soil material pulled back over the road.
  - iii) The road shall be contoured to conform to the surrounding landscape and revegetated in accordance with other conditions of these consents.

## **New Condition** (amendments in red, underlined and strikethrough)

~~13.3~~ 13.3 All rehabilitation shall address the following specific matters:

- (a) Topsoil and Vegetation Cover
  - i) The Consent Holder shall as far as practicable, stockpile topsoil, unless the material is required for construction purposes. All salvaged material shall be used for rehabilitation purposes.
  - ii) Revegetation shall be progressive as areas of practical working size become available.
  - iii) All areas that have been revegetated under these consents shall be maintained as necessary to ensure that they meet the objectives under Condition ~~13.20~~ at all times.
  
- (b) Waste Rock Stacks/Tailings Storage Facility
  - i) The Consent Holder shall design and construct all waste rock stacks and the tailings storage facility in accordance with the Annual Work Plan.

- ii) The Consent Holder shall locate, form and shape all the waste rock stacks and the tailings storage facility so that their profiles, contours, skylines and transitions closely resemble and blend with the surrounding natural landforms.
  - iv) The Consent Holder shall ensure that the waste rock stacks at the portal shall be progressively revegetated in accordance with other conditions of these consents. A planting schedule shall be included specifying grasses and small shrubs, excluding deep rooted plants or trees.
  - v) The Consent Holder shall ensure that there is a suitable capping of the waste rock stack to prevent water and oxygen entering into the structure in order to maintain its integrity.
- (c) Removal of Buildings and Structures
- i) Before the expiry of the consent, the Consent Holder shall remove all buildings, structures, plant and equipment (whether attached to the land or not) associated with the exercise of these consents, unless the landowner requires them to remain for future use.
  - ii) This condition does not apply to any plant, equipment, or monitoring structure which is permitted or required to remain after these consents expire.
- (d) Removal of Access Roads and Haul Roads
- i) Any access roads and haul roads constructed within the area shall not remain in place for vehicle use in the future unless the landowner requires them to be left open.
  - ii) If any access roads/haul roads are not required, the road surface shall be ripped and all available soil material pulled back over the road.
  - iv) The road shall be contoured to conform to the surrounding landscape and revegetated in accordance with other conditions of these consents.
- (e) Closure Management
- i) The plan shall set out an appropriate monitoring programme to ensure waterways are protected for the full duration of the closure and rehabilitation phases to achieve compliance with the water quality limits set out in the conditions of RC13042-12 at all times during both the active and post closure phases;
  - ii) The plan shall set out landowner responsibilities during the post closure phase and whether it is necessary to draw upon the post closure bond;
  - iii) The plan shall set out landowner consultation, briefing and training on the management of any ongoing water and contaminant treatment systems to be retained on the site (e.g. passive treatment), desludging of sediment ponds and protection of the WRS capping.

### **Old Condition**

- 14.1 A Construction and Operational Management Plan shall be prepared that sets out:
- (a) The practices and procedures, with respect to construction and operation of the Blackwater Gold Project site. The Construction and Operational Management Plan is to be adopted in order that compliance with the conditions under resource consents RC13042-01 to RC13042-04 can be achieved and the effects of discharges are minimised to the greatest extent practicable.

**New Condition** (amendments in **red**, underlined and strikethrough)

~~14.1~~15.1 A Construction and Operational Management Plan shall be prepared that sets out:

- (a) The practices and procedures, with respect to construction and operation of the ~~Blackwater Gold Project~~ **Snowy River Mine** site. The Construction and Operational Management Plan is to be adopted in order that compliance with the conditions under resource consents RC13042-01 to RC13042-04 can be achieved and the effects of discharges are minimised to the greatest extent practicable.

**Old Condition**

14.2 The Construction & Operational Management Plan shall as a minimum address the following matters:

- (a) Description of all construction works, construction methods and equipment to be used.
- (b) Construction programme including timetable, sequence of events and duration.
- (c) Detailed design, location, operation and maintenance of stormwater runoff control and sediment control facilities during construction activities and operation of the Blackwater Gold Project site, including detailed engineering plans and design specifications for temporary and permanent silt dams and diversion channels.
- (d) Detailed plans and specifications for any works (including upgrading, cutting and filling) on Snowy Road or haul roads including the location and placement of the Snowy River bridge and any culverts.
- (e) Procedures for stripping and salvage of vegetation, soil material and other material suitable for rehabilitation purposes.
- (f) Landscaping and rehabilitation of disturbed areas after the initial construction phase at the Blackwater Gold Project site, where appropriate.
- (g) Monitoring, complaints and reporting procedures during construction activities and operation of the Blackwater Gold Project site.
- (h) Procedure for locating, recording and documenting the historical mine workings at the Blackwater Gold Project site.
- (i) Training and supervision of operators and contractors during construction activities and operation of the Blackwater Gold Project site.
- (j) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stacks and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, wetland treatment pond and any other dam structures.
- (k) The Consent Holder shall provide a certificate(s) to the Consent Authority, signed by a chartered engineer experienced in the construction of structures listed in Conditions 14.2(c) and 14.2(j), stating that the engineering plans relating to the structures have been designed in accordance with accepted civil engineering practices.
- (l) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stacks and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, any other dam structures, water treatment plants and wetland systems for managing water quality from dewatering the Prohibition Shaft, the Mine operation and during mine decommissioning and post mine closure.

- (m) Mitigation measures to avoid nuisance dust emissions from the Blackwater Gold Project.

**New Condition** (amendments in **red**, underlined and strikethrough)

**14.215.2** The Construction & Operational Management Plan shall as a minimum address the following matters:

- (a) Description of all construction works, construction methods and equipment to be used.
- (b) Construction programme including timetable, sequence of events and duration.
- (c) Detailed design, location, operation and maintenance of stormwater runoff control and sediment control facilities during construction activities and operation of ~~Blackwater Gold Project~~ **the Snowy River Mine** site, including detailed engineering plans and design specifications for temporary and permanent silt dams and **stormwater** diversion channels.
- (d) Detailed plans and specifications for any works (including upgrading, cutting and filling) on Snowy Road or haul roads including the location and placement of the Snowy River bridge and any culverts.
- (e) Procedures for stripping and salvage of vegetation, soil material and other material suitable for rehabilitation purposes.
- (f) Landscaping and rehabilitation of disturbed areas after the initial construction phase at the ~~Blackwater Gold Project~~ **Snowy River Mine** site, where appropriate.
- (g) Monitoring, complaints and reporting procedures during construction activities and operation of the ~~Blackwater Gold Project~~ **Snowy River Mine** site.
- (h) Procedure for locating, recording and documenting the historical mine workings at the ~~Blackwater Gold Project~~ **Snowy River Mine** site.
- (i) Training and supervision of operators and contractors during construction activities and operation of the ~~Blackwater Gold Project~~ **Snowy River Mine** site.
- (j) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stacks and **the tailings storage facility** and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, wetland treatment pond and any other dam **or water and contaminant management** structures.
- (k) The Consent Holder shall provide a certificate(s) to the Consent Authority, signed by a chartered engineer experienced in the construction of structures listed in Conditions 15.2(c) and 15.2(j), stating that the engineering plans relating to the structures have been designed in accordance with accepted civil engineering practices.

- (l) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stacks and the tailings storage facility and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, any other dam structures, water and contaminant treatment plants and pond systems for managing water quality from dewatering the Prohibition Shaft, the Mine operation and during mine decommissioning and post mine closure.
- (m) Mitigation measures to avoid nuisance dust emissions from the ~~Blackwater Gold Project~~ Snowy River Mine site.

### **Old Condition**

#### **15. Water Management Plan**

- 15.1 A Water Management Plan shall be prepared that sets out the practices and procedures, with respect to site stormwater and water discharges, to be adopted in order that compliance with the conditions under resource consents RC13042-12 to RC13042-15 can be achieved and the effects of water discharges are minimised to the greatest extent practicable.

### **New Condition** (amendments in red and underlined)

#### **1516. Water and Contaminant Management Plan**

- 1516.1 A Water and Contaminant Management Plan shall be prepared that sets out the practices and procedures, with respect to site stormwater and water discharges, to be adopted in order that compliance with the conditions under resource consents RC13042-12 to RC13042-15 and RC-2022-0079-02 can be achieved and the effects of water discharges are minimised to the greatest extent practicable.

### **Old Condition**

- 15.2. The Water Management Plan shall as a minimum address the following matters:
- (a) Operation and maintenance of stormwater runoff control and sediment control facilities during the mine operation and post-mining phase, including:
    - i) Operational procedures for all pond spillways;
    - ii) Procedures for cleaning silt ponds and disposal of sludge/sediment.
  - (b) Operational procedures for the treatment plant and wetlands.
  - (c) Post Mine closure management of water quality of discharges.
  - (d) Training and supervision of operators and contractors associated with water management activities.
  - (e) Monitoring, complaints and reporting procedures for groundwater and surface water discharges during the mine operation and post-mining phase.

### **New Condition** (amendments in red, underlined and strikethrough)

- 156.2 The Water and Contaminant Management Plan shall as a minimum address the following matters:
- ~~(a) Operation and maintenance of stormwater runoff control and sediment control facilities during the mine operation and post-mining phase, including:~~
    - ~~k) Operational procedures for all pond spillways;~~
    - ~~ii) Procedures for cleaning silt ponds and disposal of sludge/sediment.~~
  - ~~(b) Operational procedures for the treatment plant and wetlands.~~



- ~~(c) — Post Mine closure management of water quality of discharges.~~
  - ~~(d) — Training and supervision of operators and contractors associated with water management activities.~~
  - ~~(e) — Monitoring, complaints and reporting procedures for groundwater and surface water discharges during the mine operation and post-mining phase.~~
- (a) A description of the management of the following materials, including any potential contaminants of concern identified and the necessary treatment:
- i) Ore material consisting of quartz, greywacke, agrellite and sulphides extracted from underground mining;
  - ii) Other rock material extracted from underground mining;
  - iii) Underground mine water including water from historic underground workings;
  - iv) Processing plant material including processing waste tailings;
  - v) Sediment and sludge within onsite ponds and treatment facilities;
  - vi) Stormwater.
- (b) Operation and maintenance of stormwater runoff control and sediment control facilities during the mine operation and post-mining phase, including:
- i) Operational procedures for all pond spillways;
  - ii) Procedures for cleaning silt ponds and disposal of sludge/sediment.
- (c) Once the historic underground workings have been drilled, sampling of the mine water discharge shall be undertaken by the Consent Holder and the Water and Contaminant Management Plan shall be updated to contain a revised description of the type of contaminants expected from the historic underground workings and the new mine workings to determine the characteristics of the mine water discharge. The plan shall include a description of how the expected contaminant load from the historic underground workings and the new mine workings is be treated within the onsite water and contaminant treatment system in order to meet the water quality compliance limits specified in RC13042-12.
- (d) A description of the operational design and capacity of the water and contaminant treatment plant and ponds, and the expected performance of these facilities to treat contaminants generated from the activities undertaken onsite, which takes into account the following matters:
- i) Any required further assessment of the geochemical composition of the discharges to identify and characterise the contaminants of potential concern, with a particular focus on arsenic and iron within the discharge;
  - ii) Any other methods necessary to ensure that the water and contaminant treatment plant and ponds have the capacity to treat the mine water discharge to the extent necessary to meet the water quality compliance limits specified in RC13042-12.
- (e) A description of the post mine closure management of water quality of discharges, including performance monitoring requirements within the discharge and expected water quality outcomes.

- (f) Training and supervision of operators and contractors associated with water management activities.
- (g) Monitoring, complaints and reporting procedures for groundwater and surface water discharges during the mine operation and post-mining phase.

**New Conditions** (Additions in red and underlined)

**Active and Post Closure Phases – TARP**

- 16.3 As part of the Water and Contaminant Management Plan the consent holder shall prepare a Trigger Action Response Plan (TARP) that is specific to the management of the closure of the site. The objective of the TARP is to ensure that the proposed water management system during the active and post closure phases of the mine is effective and that discharges from the site continue to meet the water quality compliance limits specified in RC13042-12.
- 16.4 The purpose of the TARP is to manage uncertainties through the use of "early warning triggers" so as to minimise the risk of exceeding contaminant limits in discharges from the site during both the active and closure phases of the mining activity. The TARPs shall describe the methods for monitoring the performance of the water management systems and the physical characteristics and water quality parameters of key parts of the system during the active and post closure phases, and to explain the actions that are required to be undertaken by the Consent Holder should any TARP triggers be reached or exceeded during these periods.
- 16.5 The TARP shall include, but not be limited to, the following matters:
  - (a) Identify the water management systems that will be in place during the active and closure phases of the mine;
  - (b) Provide a description of the key water management and mitigation features that will remain onsite during the active and post closure phases;
  - (c) A description of the performance discharge quality monitoring that will be undertaken during the active and post closure phases;
  - (d) A description of the discharge quality and early warning triggers during both the active and post closure phases that will necessitate the Consent Holder undertaking either further investigation or action to address the trigger which has occurred;
  - (e) Provide a description of the investigations or actions that will be implemented by the Consent Holder in response to an early warning trigger being reached or exceeded;
  - (f) Provide a description of the steps that will be undertaken to mitigate or remediate the resultant effects on water quality of that early warning trigger being reached or exceeded.
  - (g) Identify and provide whether any new consents are required to be applied for to enable mine closure once that stage of mine development is reached in order to ensure that any ongoing discharges from the site continues to meet the water quality limits specified in RC13042-12
- 16.6 If any of the early warning triggers identified within the TARP are reached or exceeded, then the Consent Holder shall be required to implement the corresponding actions.
- 16.7 Prior to moving to the post closure phase, the TARP shall be reviewed by the Consent Holder to ensure that it will continue to meet the objective and purpose described in conditions 16.3 and 16.4 for the remaining duration of the consent. The purpose of this review shall be to confirm that it accurately reflects onsite activities, the requirements of these conditions of consent, the water management system and to identify if changes to the early warning triggers, investigations or actions contained within the TARP for the post closure phase are required. A written report detailing the results of any formal review shall be provided to the

Consent Authority within 20 working days of the review being undertaken and completed confirming that the reviewed TARP continues to give effect to these conditions.

**Old Condition**

16.2 The Air Quality Management Plan shall as a minimum address the following matters:

- (a) Sources of dust and other discharges and their potential impacts.
- (b) Any significant changes/alterations throughout the life of the project that may result in changes to the quantity of dust and other discharges.
- (c) Techniques and methods which will be used to avoid or eliminate all off site visible discharges to air and the programme for rehabilitation and revegetation of areas of the site in order to minimise dust emissions.
- (d) Precautionary measures to be undertaken that prevent unauthorised discharges or other adverse effects on air, including a contingency plan that describes how such events will be managed so as to prevent, minimise and redress any adverse impacts on air quality.
- (e) Details of the proposed air quality monitoring programme for the Blackwater Gold Project including:
  - i. details of the monitoring methodology;
  - ii. location and number of sampling stations;
  - iii. siting sampling stations to avoid erroneous results and vandalism;
  - iv. collection of samples and undertaking analyses;
  - v. reporting and submitting results to the Consent Authority.
- (f) Implementation of measures taken to reduce carbon dioxide emissions from the mining activities.
- (g) Training of operators and contractors to help prevent and control dust emissions.
- (h) Procedures to deal with air quality complaints.

**New Condition** (amendments in red, underlined and strikethrough)

~~16~~.2 The Air Quality Management Plan shall as a minimum address the following matters:

- (a) Sources of dust and other discharges and their potential impacts.
- (b) Any significant changes/alterations throughout the life of the project that may result in changes to the quantity of dust and other discharges.
- (c) Techniques and methods which will be used to avoid or eliminate all off site visible discharges to air and the programme for rehabilitation and revegetation of areas of the site in order to minimise dust emissions.
- (d) Precautionary measures to be undertaken that prevent unauthorised discharges or other adverse effects on air, including a contingency plan that describes how such events will be managed so as to prevent, minimise and redress any adverse impacts on air quality.
- (e) Details of the proposed air quality monitoring programme for the ~~Blackwater Gold Project~~ Snowy River Mine Site including:
  - i. details of the monitoring methodology;
  - ii. location and number of sampling stations;
  - iii. siting sampling stations to avoid erroneous results and vandalism;
  - iv. collection of samples and undertaking analyses;
  - v. reporting and submitting results to the Consent Authority.

- (f) Implementation of measures taken to reduce carbon dioxide emissions from the mining activities.
- (g) Training of operators and contractors to help prevent and control dust emissions.
- (h) Procedures to deal with air quality related complaints.

### **Old Condition**

#### **17. Annual Work Plan**

17.1 Before exercising these consents, the Consent Holder shall submit the first Annual Work Plan to the Consent Authority and thereafter submit an Annual Work Plan prior to each anniversary of the date of commencement of the consents.

### **New Condition** (amendments in red, underlined and strikethrough)

#### **~~17~~8. Annual Work Plan**

~~17~~8.1 Before exercising these consents, the Consent Holder shall submit the first Annual Work Plan to the Consent Authority and thereafter submit an Annual Work Plan prior to each anniversary of the date of commencement of the consents. A copy of the Annual Work Plan shall also be provided to the Snowy River Liaison Group.

### **Old Condition**

1.2

17.2 The Annual Work Plan shall include:

- a) A description of all the mining operations, mitigation measures, rehabilitation, monitoring and reporting carried out in the last 12 months.
- b) An explanation of any departure in the last 12 months from the previous Annual Work Plan.
- c) A detailed description of all mining operations, mitigation measures, rehabilitation, monitoring and reporting intended to be carried out in the next 12 months with an approximate timetable of events.
- d) Long-term projections and intentions for mining operations in relation to the future exercise of these consents.
- e) An explanation of any intended departure from any previous Annual Work Plan in the next 12 months.
- f) A description and analysis of any unexpected adverse effect on the environment that has arisen as a result of the exercise of the consents in the last 12 months and the steps taken to deal with it and the results of those steps.
- g) A summary of any complaints received and the mitigation measures adopted.
- h) A full report describing and evaluating the mitigation measures used in the last 12 months.
- i) A full report on the rehabilitation undertaken during the exercise of the consents and the results of these measures.
- j) Plans showing the actual footprints of all works and structures and any proposed changes at the end of the next 12 months.

- k) Plans showing the actual contours of all works and structures and any proposed changes in contours at 10 metre intervals at the end of the next 12 months.
- l) An up to date and detailed calculation of the cost of dealing with any adverse effects on the environment arising or which may arise from the exercise of these consents.
- m) An up to date and detailed calculation of the cost of rehabilitation of the site.
- n) An up to date and detailed calculation of the costs of the monitoring required by the conditions of these consents and until the consents expires.
- o) An up to date mine closure plan describing in detail the steps that would need to be taken if mining operations stopped in the next 12 months, how the Consent Holder proposes to comply with the conditions of these consents on closure and an up to date and detailed calculation of the costs of complying with all conditions of consents if mining were to stop in the next 12 months.
- p) Any other information required by any other condition of these consents.

**New Condition** (amendments in **red**, underlined and strikethrough)

1.3

178.2 The Annual Work Plan shall include:

- a) A description of all the mining operations, mitigation measures, rehabilitation, monitoring and reporting carried out in the last **previous** 12 months.
- b) An explanation of any departure in the last 12 months from the previous Annual Work Plan.
- c) A detailed description of all mining operations, mitigation measures, rehabilitation, monitoring and reporting intended to be carried out in the next 12 months with an approximate timetable of events.
- d) Long-term projections and intentions for mining operations **and/or closure and rehabilitation** in relation to the future exercise of these consents.
- e) An explanation of any intended departure from any previous Annual Work Plan in the next 12 months.
- f) A description and analysis of any unexpected adverse effect on the environment that has arisen as a result of the exercise of the consents in the last 12 months and the steps taken to deal with it and the results of those steps.
- g) A summary of any complaints received and the mitigation measures adopted.
- h) A full report describing and evaluating the mitigation measures used in the last 12 months.
- i) A full report on the rehabilitation undertaken during the exercise of the consents and the results of these measures.
- j) Plans showing the actual footprints of all works and structures and any proposed changes at the end of the next 12 months. **This shall include where appropriate detailed design and/or as built plans relating to the structures (including the waste rock stack) and infrastructure established at the site.**
- k) Plans showing the actual contours of all works and structures and any proposed changes in contours at 10 metre intervals at the end of the next 12 months.

- l) An up to date and detailed calculation of the cost of dealing with any adverse effects on the environment arising or which may arise from the exercise of these consents.
- m) An up to date and detailed calculation of the cost of rehabilitation of the site.
- n) An up to date and detailed calculation of the costs of the monitoring required by the conditions of these consents and until the consents expires.
- o) An up to date mine closure plan describing in detail the steps that would need to be taken if mining operations stopped in the next 12 months, how the Consent Holder proposes to comply with the conditions of these consents on closure and an up to date and detailed calculation of the costs of complying with all conditions of consents if mining were to stop in the next 12 months.
- p) Any other information required by any other condition of these consents.

**Old Condition**

17.3 The up to date costs of rehabilitation, monitoring and compliance with all conditions of these consents, as required by parts l to p of Condition 17.2 above shall be independently audited and provided to the Consent Authority with the Annual Work Plan.

**New Condition** (amendments in red, underlined and strikethrough)

~~17.3~~ The up to date costs of rehabilitation, monitoring and compliance with all conditions of these consents, as required by parts l to p of Condition ~~17.2~~ above shall be independently audited and provided to the Consent Authority with the Annual Work Plan.

**New Condition** (Additions in red and underlined)

18.4 As part of the Annual Work Plan, the Consent Holder shall include an annual review of the Water and Contaminant Management Plan. The Consent Authority shall be provided with any required update to this plan within 30 working days of its completion. Any amendments shall be:

- (a) For the purposes of improving the efficacy of the water and contaminant treatment measures required as part of this consent in order to meet the water quality compliance limits specified in RC13042-12;
- (b) Consistent with the conditions of this resource consent.

**Old Condition**

17.4 The Consent Authority may at any time commission an additional independent audit of the costs of rehabilitation, monitoring and compliance with all conditions of these consents, as provided by Condition 17.3 above. The Consent Holder shall meet the costs of any such audit.

**New Condition** (amendments in red, underlined and strikethrough)

~~17.4~~<sup>5</sup> The Consent Authority may at any time commission an additional independent audit of the costs of rehabilitation, monitoring and compliance with all conditions of these consents, as provided by Condition ~~17.3~~ above. The Consent Holder shall meet the costs of any such audit.

**Old Condition**

17.7 The Consent Holder may, at any time, submit to the Consent Authority an amended Annual Work Plan provided it complies with all other conditions of the consents.

**New Condition** (amendments in red, underlined and strikethrough)

178.78 The Consent Holder may, at any time, submit to the Consent Authority an amended Annual Work Plan provided it complies with all other conditions of the consents. Any amendments shall also be provided to the Snow River Liaison Group.

### **Old Condition**

1.4

18.5 The Consent Holder shall develop an Environmental Monitoring Programme for the purposes of assessing, evaluating and reporting the effects of all discharges associated with its operations, on the water quality and aquatic biota in the Snowy River and tributaries that receive discharges. The Environmental Monitoring Programme shall include, but not be limited to:

- a) Monitoring and reporting procedures to ensure compliance with discharge permit conditions.
- b) A description of the water chemistry and flow model of contaminants in Snowy River and tributaries that receive discharges.
- c) Clear description of the method(s) and frequency to be used for monitoring, including that undertaken for internal/management purposes.
- d) Monitoring the treatment process to assess the efficiency of metal removal.
- e) A map and if appropriate photos of all sampling sites.
- f) Name of laboratory and method of analysis of all samples collected.
- g) Operation and maintenance of any automatic sampling or monitoring equipment.
- h) Monitoring personnel, qualifications and staff training.

### **New Condition** (amendments in red, underlined and strikethrough)

1.5

189.5 The Consent Holder shall develop an Environmental Monitoring Programme for the purposes of assessing, evaluating and reporting the effects of all discharges associated with its operations, on the water quality and aquatic biota in the Snowy River and tributaries that receive discharges. The Environmental Monitoring Programme shall include, but not be limited to:

- a) Monitoring and reporting procedures to ensure compliance with discharge permit conditions.
- b) A description of the types and sources of discharges leaving the site, their water chemistry and flow modelling of contaminants in Snowy River and tributaries, and groundwater that receive discharges.
- c) Clear description of the method(s) and frequency to be used for monitoring, including that undertaken for internal/management purposes.
- d) Monitoring the treatment process to assess the efficiency of metal and other contaminant removal within the discharge.
- e) A map and if appropriate photos of all sampling sites.
- f) Name of laboratory and method of analysis of all samples collected.
- g) Operation and maintenance of any automatic sampling or monitoring equipment.
- h) Monitoring personnel, qualifications and staff training.

## **Old Condition**

### **19 Environmental Monitoring Report**

19.1 The Consent Holder shall prepare and submit an Environmental Monitoring Report to the Consent Authority on or before each anniversary of the date of commencement of the consent. As noted in General Condition 18.3 above (Environmental Monitoring Programme), the monitoring period to be included in each report shall be for the 12-month period ending two months prior to the anniversary of the date of commencement of the consents.

**New Condition** (amendments in red, underlined and strikethrough)

### **~~19~~20 Environmental Monitoring Report**

~~19~~20.1 The Consent Holder shall prepare and submit an Environmental Monitoring Report to the Consent Authority on or before each anniversary of the date of commencement of the consent. As noted in General Condition ~~18~~9.3 above (Environmental Monitoring Programme), the monitoring period to be included in each report shall be for the 12-month period ending two months prior to the anniversary of the date of commencement of the consents. A copy of this report shall also be provided to the Snowy River Liaison Group as part of the Annual Work Plan.

## **Old Condition**

### **SCHEDULE 2: SPECIFIC CONSENTS AND CONDITIONS**

#### **20. Earthworks & Construction**

RC13042-01	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of the access roads and haul roads and a bridge over the Snowy River (including undertaking works in the riparian margins of the Snowy River), install culverts, disturb the bed of an unnamed tributary, and erect structures in the tributary. Cut and fill and undertake earthworks to create the mine site at the Snowy Road site, including construction, use, maintenance and rehabilitation of diversion drains.
RC13042-02	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of temporary and permanent silt ponds, sumps, bunds and treatment wetland.
RC13042-03	Land Use Consent	To undertake vegetation clearance associated with the construction, use, maintenance and rehabilitation of the Blackwater Mine including construction of infrastructure (including but not limited to pipelines and utilities), roads and a bridge over the Snowy River and other areas to be disturbed.
RC13042-04	Land Use Consent	To construct the Snowy Decline and undertake associated earthworks.
RC13042-05	Land Use Consent	To disturb the river bed of the Snowy River for geotechnical testing and construction and use of a bridge over the Snowy River.
RC13042-06	Land Use Consent	To extract gravel from the dry bed of the Snowy River.

**New Condition** (amendments in red, underlined and strikethrough)

### **SCHEDULE 2: SPECIFIC CONSENTS AND CONDITIONS**

#### **~~20~~1 Earthworks & Construction**



RC13042-01	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of the access roads and haul roads and a bridge over the Snowy River (including undertaking works in the riparian margins of the Snowy River), install culverts, disturb the bed of an unnamed tributary, and erect structures in the tributary. Cut and fill and undertake earthworks to create the mine site at the Snowy Road site, including construction, use, maintenance and rehabilitation of diversion drains.
RC13042-02	Land Use Consent	To undertake land surface disturbance and earthworks associated with the construction, use, maintenance and rehabilitation of temporary and permanent silt ponds, sumps, bunds and treatment wetland.
RC13042-03	Land Use Consent	To undertake vegetation clearance associated with the construction, use, maintenance and rehabilitation of the <del>Blackwater Mine</del> <u>Snowy River mine</u> including construction of infrastructure (including but not limited to pipelines and utilities), roads and a bridge over the Snowy River and other areas to be disturbed.
RC13042-04	Land Use Consent	To construct the Snowy Decline and undertake associated earthworks.
RC13042-05	Land Use Consent	To disturb the river bed of the Snowy River for geotechnical testing and construction and use of a bridge over the Snowy River.
RC13042-06	Land Use Consent	To extract gravel from the dry bed of the Snowy River.

### **Old Condition**

20.2 The Consent Holder shall ensure that sediment losses to natural water from the exercise of these consents are avoided and that silt control measures, as outlined in the Construction & Operational Management Plan prepared in accordance with Sections 14.0 to 14.3 of the First Schedule, are in place prior to the exercise of these consents, including diversion channels for watercourses and clean stormwater runoff.

### **New Condition** (amendments in **red**, underlined and strikethrough)

~~20~~1.2 The Consent Holder shall ensure that sediment losses to natural water from the exercise of these consents are avoided and that silt control measures, as outlined in the Construction & Operational Management Plan prepared in accordance with Sections ~~14~~15.0 to ~~14~~15.3 of the First Schedule, are in place prior to the exercise of these consents, including diversion channels for watercourses and clean stormwater runoff.

### **Old Condition**

20.7 The Consent Holder shall, prior to the exercise of these consents, and thereafter annually, report details of the areas to be cleared, and the procedures to be used, in disposing of the cleared material in accordance with the Annual Work Plan prepared in accordance with Section 17 of the First Schedule of these consents.

### **New Condition** (amendments in **red**, underlined and strikethrough)

~~20~~1.7 The Consent Holder shall, prior to the exercise of these consents, and thereafter annually, report details of the areas to be cleared, and the procedures to be used, in disposing of the cleared material in accordance with the Annual Work Plan prepared in accordance with Section ~~17~~8 of the First Schedule of these consents.

### **Old Condition**

20.10 The Consent Holder shall use cut and fill methods to construct all access and haul roads to and around the Blackwater Gold Project and shall avoid unnecessary sidelaying of material alongside the roads.

### **New Condition** (amendments in red, underlined and strikethrough)

201.10 The Consent Holder shall use cut and fill methods to construct all access and haul roads to and around the ~~Blackwater Gold Project~~ Snow River mine and shall avoid unnecessary sidelaying of material alongside the roads.

### **Old Condition**

20.12 The bridge shall be designed by a chartered civil engineer to withstand a 100 year return period flood or more. A freeboard of at least 0.9 metres above the 100 year return flood level is required. The engineering plans for the bridge shall be submitted with the Construction & Operational Management Plan prepared in accordance with Section 14 of the First Schedule of these consents.

### **New Condition** (amendments in red, underlined and strikethrough)

201.12 (a) The bridge shall be designed by a chartered civil engineer to withstand a 100 year return period flood or more. A freeboard of at least 0.9 metres above the 100 year return flood level is required. The engineering plans for the bridge shall be submitted with the Construction & Operational Management Plan prepared in accordance with Section 145 of the First Schedule of these consents.

(b) A permanent realignment of an unnamed tributary above the waste rock stack shall be designed to flow around the Waste rock stack and designed to withstand a 100 year return period flood. The engineering plans for the realigned tributary shall be submitted with the Construction & Operational Management Plan prepared in accordance with Section 15 of the First Schedule of these consents.

### **Old Condition**

20.14 The chartered engineer shall certify in writing to the Consent Authority on completion of construction that the construction of the structures has been undertaken in accordance with accepted civil engineering practices and the engineering plans provided with the Construction & Operational Management Plan, in accordance with Section 14 of the First Schedule of these consents.

### **New Condition** (amendments in red, underlined and strikethrough)

201.14 The chartered engineer shall certify in writing to the Consent Authority on completion of construction that the construction of the structures has been undertaken in accordance with accepted civil engineering practices and the engineering plans provided with the Construction & Operational Management Plan, in accordance with Section 145 of the First Schedule of these consents.

### **Old Condition**

20.15 Diversion channels and associated works shall be designed to convey the runoff resulting from a storm event having a return period of 10 years or more.

### **New Condition** (amendments in red, underlined and strikethrough)

20.15 Diversion channels and associated works shall be designed to convey the runoff resulting from a storm event having a return period of ~~±0~~ 5 years or more.

**Old Condition**

20.16 Immediately following the commencement of activities under this consent, the Consent Holder shall initiate and maintain a programme of progressive rehabilitation and revegetation of the land in accordance with the specific objectives and matters set out in Sections 13.2 and 13.3 of the First Schedule of these consents and in accordance with the Rehabilitation Plan prepared pursuant to Section 13 of the First Schedule of these consents.

**New Condition** (amendments in red, underlined and strikethrough)

~~20~~1.16 Immediately following the commencement of activities under this consent, the Consent Holder shall initiate and maintain a programme of progressive rehabilitation and revegetation of the land in accordance with the specific objectives and matters set out in Sections ~~13~~4.2 and ~~13~~4.3 of the First Schedule of these consents and in accordance with the Rehabilitation Plan prepared pursuant to Section ~~13~~4 of the First Schedule of these consents.

**Old Condition**

20.17 Notwithstanding Condition 20.15, the Consent Holder shall rehabilitate the following features (prior to the expiry of the consents and following decommissioning of the features) in accordance with the specific rehabilitation objectives and Rehabilitation Plan prepared in accordance with Section 13 of the First Schedule of these consents:

- (a) The streambed structures, bridge, roads, culverts, diversions and mine site;
- (b) The silt ponds, sumps and bunds authorised by these consents; and
- (c) The underground mine.

**New Condition** (amendments in red, underlined and strikethrough)

~~20~~1.17 Notwithstanding Condition ~~20~~1.15, the Consent Holder shall rehabilitate the following features (prior to the expiry of the consents and following decommissioning of the features) in accordance with the specific rehabilitation objectives and Rehabilitation Plan prepared in accordance with Section ~~13~~4 of the First Schedule of these consents:

- (a) The streambed structures, bridge, roads, culverts, diversions and mine site;
- (b) The silt ponds, sumps and bunds authorised by these consents; and
- (c) The underground mine.

**Old Condition**

20.21 The silt pond embankments for all silt ponds used during the operation of the mine and all permanent silt ponds shall be provided with a spillway designed for a probable maximum flood event.

**New Condition** (amendments in red, underlined and strikethrough)

~~20~~1.21 The silt pond embankments for all silt ponds used during the operation of the mine and all permanent silt ponds shall be provided with a spillway designed for a ~~probable maximum flood event~~ 100 year storm event.

**Old Condition**

20.23 Settled material removed from the silt pond(s) shall be deposited within a waste rock stack.

**New Condition**

**Deleted**

**Old Condition**

## Treatment wetland specifications

20.24 The treatment wetland shall be constructed in accordance with the information contained in the Golder Associate report, February 2013, 'Blackwater Gold Project Mine Water Management Report'.

**New Condition** (amendments in red, underlined and strikethrough)

## ~~Treatment wetland~~ **Water and Contaminant Treatment Infrastructure** specifications

~~20~~1.24 The onsite water management and treatment wetland/facilities shall be generally constructed and maintained in accordance with the information contained in the ~~Golder Associate report, February 2013, 'Blackwater Gold Project Mine Water Management Report'~~ PDP Report, April 2022, "Project Snowy River: Management of Minewater" such that discharges of treated water from the site meets the water quality compliance limits specified in RC13042-12 at all times.

### **Old Condition**

21.2 No water from mining and overburden disposal areas (including mine roads and soil stockpiles) shall be discharged to natural water without being first diverted to the water management and treatment system.

**New Condition** (amendments in red, underlined and strikethrough)

~~21~~2.2 No storm-water from mining and overburden disposal areas (including mine roads and soil stockpiles) shall be discharged to natural water without being first diverted to the water and contaminant management and treatment system.

### **Old Condition**

## **23. Discharge of Surface Water, Groundwater and Contaminants**

RC13042-12	Discharge Permit	To discharge surface water, groundwater and contaminants to land at the Snowy Road site (being water associated with drilling, underground operations, decline development, stormwater from the portal area, waste rock stack, ore stockpile and infrastructure area) in circumstances that will result in that water and contaminant entering the Snowy River.
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**New Condition** (amendments in red, underlined and strikethrough)

## ~~23~~4. **Discharge of Surface Water, Groundwater and Contaminants**

RC13042-12	Discharge Permit	To discharge surface water, groundwater and contaminants to land at the Snowy Road site (being water associated with drilling, underground operations, decline development, stormwater from the portal area, waste rock stack, <u>tailings storage facility,</u> ore stockpile and infrastructure area) in circumstances that will result in that water and contaminants entering the Snowy River.
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### **Old Condition**

23.2 The Consent Holder shall regularly remove the sludge/sediment build-up from the treatment plant system to ensure their efficient operation and to maximise their storage capacity. Any sludge/sediment removed shall be disposed of at the Globe Progress Mine site in accordance with the consent conditions in place at that site, or at any other site with resource consents that authorise the disposal of this type of sludge/sediment.

**New Condition** (amendments in red, underlined and strikethrough)

234.2 The Consent Holder shall regularly remove the sludge/sediment build-up from the treatment plant system silt ponds to ensure their efficient operation and to maximise their storage capacity. Any sludge/sediment removed shall be dewatered and disposed of at the Globe Progress Mine site in accordance with the consent conditions in place at that site within the waste rock stack, or at any other site with resource consents that authorise the disposal of this type of sludge/sediment.

#### **New Condition**

24.3 The Consent Holder shall dispose of any sludge material derived from the water and contaminant treatment plant at a disposal facility which holds the necessary authorisations to dispose of the type of sludge material derived from the water and contaminant treatment plant.

#### **Old Condition**

23.4 The design capacity of the treatment wetland shall be sufficient to:

- (a) Receive all water and contaminants arising from the drilling, underground operations, decline development, and stormwater from the portal area, waste rock stack, ore stockpile and infrastructure area;
- (b) Provide 48 hours retention time.

#### **New Condition** (amendments in red, underlined and strikethrough)

234.45 The design capacity of the treatment wetland/system shall be sufficient to:

- (a) Receive all water and contaminants arising from the drilling, underground operations, decline development, and stormwater from the portal area, waste rock stack, tailings storage facility, ore stockpile and infrastructure area;
- (b) Provide 48 hours retention time.

#### **Old Condition**

23.5 All water and contaminants from the areas listed in Condition 23.4a shall be captured, treated and discharged through the treatment system provided for by this consent.

#### **New Condition** (amendments in red, underlined and strikethrough)

234.56 All water and contaminants from the areas listed in Condition 234.45a shall be captured, treated and discharged through the treatment system ~~provided for by this consent~~. The water and contaminant treatment system shall be undertaken in general accordance with the PDP report April 2022 "Project Snowy River: Management of Mine Water" such that discharges of treated water from the site meets the water quality compliance limits specified in RC13042-12 at all times.

Advice Note: A new consent will need to be applied for prior to the expiry of these consents to cover any ongoing discharge from the mine portal/adit drainage, if nitrate levels associated with blasting or any other contaminants are shown to be above background levels

#### **Old Condition**

23.6 The Consent Holder shall undertake continuous monitoring of the following flows:

- (a) The flow in the Snowy River (at or about NZ Topo50 BT21 993176).
- (b) The flow (discharge) from the wetland at the Snowy Road site to the Snowy River (at or about NZ Topo50 BT21 996175).

**New Condition** (amendments in red, underlined and strikethrough)

~~234.67~~ The Consent Holder shall undertake continuous monitoring of the following flows:

- (a) The flow in the Snowy River (at or about NZ Topo50 BT21 993176).
- (b) The flow (discharge) from the water and contaminant treatment system/wetland at the Snowy Road site to the Snowy River (at or about NZ Topo50 BT21 996175).

**Old Condition**

1.6

23.7 In addition to Condition 23.6, the Consent Holder shall undertake sampling of:

- a) The discharge from the wetland at the Snowy Road site ("**Snowy Road Site Wetland Discharge**"),
- b) The sediment in the treatment wetland ("**Wetland Sediment**"),
- c) The sediment in the bed of the Snowy River downstream of the mining operation ("**Snowy River Bed Sediment**"),
- d) The water quality in the Snowy River downstream of the mining operation ("**Snowy River Receiving Waters**"),
- e) The water quality in the Little Grey River downstream of the mining operation ("**Little Grey River Receiving Waters**"),
- f) The aquatic biology in the Little Grey River ("**Aquatic Biology**").

Where practicable:

- a. Weekly samples shall be collected on a different day in the week in any seven-week period.
- b. Monthly samples shall be collected on a different day in the week in any seven-month period.
- c. Quarterly samples shall be collected on a different day in the week in any twelve-month period.

**New Condition** (amendments in red, underlined and strikethrough)

1.7

~~234.78~~ In addition to Condition ~~234.67~~, the Consent Holder shall undertake sampling of:

- a) The discharge from the wetland treatment pond at the Snowy Road site ("**Snowy Road Site Wetland Treatment Pond Discharge**"),
- b) The sediment in the treatment ~~wetland~~ pond ("**Wetland Treatment Pond Sediment**"),
- c) The sediment in the bed of the Snowy River downstream of the mining operation ("**Snowy River Bed Sediment**"),
- d) The water quality in the Snowy River downstream of the mining operation ("**Snowy River Receiving Waters**"),
- e) The water quality in the Little Grey River downstream of the mining operation ("**Little Grey River Receiving Waters**"),
- f) The aquatic biology in the Little Grey River ("**Aquatic Biology**").

Where practicable:

- d. Weekly samples shall be collected on a different day in the week in any seven-week period.
- e. Monthly samples shall be collected on a different day in the week in any seven-month period.
- f. Quarterly samples shall be collected on a different day in the week in any twelve-month period.

**Old Condition**

23.8 The sampling required by Condition 23.7 shall be undertaken at the locations specified in Table 1, marked by red dots on the attached topographic map titled "**RC13042, Water Quality Sampling Locations**".

<b>Table 1: Sampling Locations</b>		
<b>Sampling Programme</b>	<b>Sampling Location</b>	<b>Map references</b>
Snowy Road Site Wetland Discharge	<ul style="list-style-type: none"> <li>If there is a discharge from the treatment wetland to the Snowy River, immediately prior to the discharge entering Snowy River,</li> <li>If there is no discharge from the treatment wetland to the Snowy River, within the treatment wetland.</li> </ul>	The treatment wetland will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Wetland Sediment	<ul style="list-style-type: none"> <li>Within the treatment wetland</li> </ul>	The treatment wetland will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Snowy River Bed Sediment	<ul style="list-style-type: none"> <li>Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Snowy River Receiving Waters	<ul style="list-style-type: none"> <li>Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Little Grey River Receiving Waters	<ul style="list-style-type: none"> <li>Sampling sites S6, S7 and S8</li> </ul>	S6: NZ Topo50 BT21 938214 S7: NZ Topo50 BT21 913212 S8: NZ Topo50 BT21 914209
Aquatic Biology	<ul style="list-style-type: none"> <li>Sampling sites BG, S1, S2, S3, S4 and S5</li> </ul>	BG: NZ Topo50 BT21 034160 S1: NZ Topo50 BT21 030159

**New Condition** (amendments in red, underlined and strikethrough)

234.89 The sampling required by Condition 234.78 shall be undertaken at the locations specified in Table 1, marked by red dots on the attached topographic map titled “**RC13042, Water Quality Sampling Locations**”.

<b>Table 1: Sampling Locations</b>		
<b>Sampling Programme</b>	<b>Sampling Location</b>	<b>Map references</b>
Snowy Road Site Wetland <u>Treatment Pond</u> Discharge	<ul style="list-style-type: none"> <li>If there is a discharge from the treatment wetland <u>pond</u> to the Snowy River, immediately prior to the discharge entering Snowy River,</li> <li>If there is no discharge from the treatment wetland <u>pond</u> to the Snowy River, within the treatment wetland <u>pond</u>.</li> </ul>	The treatment wetland <u>pond</u> will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Wetland <u>Treatment Pond</u> Sediment	<ul style="list-style-type: none"> <li>Within the treatment wetland <u>pond</u></li> </ul>	The treatment wetland <u>pond</u> will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Snowy River Bed Sediment	<ul style="list-style-type: none"> <li>Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Snowy River Receiving Waters	<ul style="list-style-type: none"> <li>Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Little Grey River Receiving Waters	<ul style="list-style-type: none"> <li>Sampling sites S6, S7 and S8</li> </ul>	S6: NZ Topo50 BT21 938214 S7: NZ Topo50 BT21 913212 S8: NZ Topo50 BT21 914209
Aquatic Biology	<ul style="list-style-type: none"> <li>Sampling sites BG, S1, S2, S3, S4 and S5</li> </ul>	BG: NZ Topo50 BT21 034160 S1: NZ Topo50 BT21 030159

## **Old Condition**

23.9 The collection, analysis and preservation of all samples collected in accordance with Condition 23.7 shall be undertaken using Standard Methods for the Examination of Water and Wastewater (18th Edition 1992), APHA, AWWA and WEF, or equivalent or superseding methods.

## **New Condition** (amendments in red, underlined and strikethrough)

~~23.9~~23.10 The collection, analysis and preservation of all samples collected in accordance with Condition ~~23.7~~23.8 shall be undertaken using Standard Methods for the Examination of Water and Wastewater (18th Edition 1992), APHA, AWWA and WEF, or equivalent or superseding methods.

## **Old Condition**

### Monitoring of the Snowy Road Site Wetland Discharge & Wetland Sediment

23.10 The sampling of the Snowy Road Site Wetland Discharge and Wetland Sediment, as required by Condition 23.7a and 23.7b, shall be undertaken for the parameters and at the frequencies specified in Table 2.

<b>Parameter</b>	<b>Snowy Road Site Wetland Discharge</b>	<b>Wetland Sediment</b>
pH	Continuous	-
Conductivity	Continuous	-
Turbidity	Daily	-
Total Suspended Solids	Daily	-
Cyanide <small>(WAD)</small>	Daily	-
Total Hardness	Daily	-
Major Cations • Calcium • Magnesium • Potassium • Sodium	Quarterly	-
Major Anions • Bicarbonate • Carbonate • Chloride • Sulphate	Quarterly	-
Dissolved Aluminium	Weekly	Quarterly
Dissolved Arsenic	Weekly	Quarterly
Total Arsenic	Weekly	Quarterly
Dissolved Copper	Weekly	Quarterly
Dissolved Antimony	Weekly	Quarterly
Dissolved Cadmium	Weekly	Quarterly
Dissolved Iron	Weekly	Quarterly
Dissolved Zinc	Weekly	Quarterly



Dissolved Lead	Six monthly	Six monthly
Dissolved Nickel	Six monthly	Six monthly

**New Condition** (amendments in **red**, underlined and strikethrough)

Monitoring of the Snowy Road Site Wetland **Treatment Pond** Discharge & Wetland **Treatment Pond** Sediment

234.101 The sampling of the Snowy Road Site Wetland **Treatment Pond** Discharge and Wetland **Treatment Pond** Sediment, as required by Condition 234.78a and 234.8b, shall be undertaken for the parameters and at the frequencies specified in Table 2.

<b>Table 2: Snowy Road Site Wetland <b>Treatment Pond</b> Discharge &amp; Wetland <b>Treatment Pond</b> Sediment</b>		
<b>Sampling Parameters &amp; Frequencies</b>		
<b>Parameter</b>	<b>Snowy Road Site Wetland <b>Treatment Pond</b> Discharge</b>	<b>Wetland <b>Treatment Pond</b> Sediment</b>
pH	<del>Continuous</del> <b>Daily</b>	-
Conductivity	<del>Continuous</del> <b>Daily</b>	-
Turbidity	Daily	-
Total Suspended Solids	Daily	-
Cyanide (WAD)	Daily	-
Total Hardness	Daily	-
Major Cations • Calcium • Magnesium • Potassium • Sodium	Quarterly	-
Major Anions • Bicarbonate • Carbonate • Chloride • Sulphate	Quarterly	-
Dissolved Aluminium	Weekly	Quarterly
Dissolved Arsenic	Weekly	Quarterly
Total Arsenic	Weekly	Quarterly
Dissolved Copper	Weekly	Quarterly
Dissolved Antimony	Weekly	Quarterly
Dissolved Cadmium	Weekly	Quarterly
<b>Dissolved Cobalt</b>	<b>Weekly</b>	<b>Quarterly</b>
Dissolved Iron	Weekly	Quarterly
<b>Total Iron</b>	<b>Weekly</b>	<b>Quarterly</b>
Dissolved Zinc	Weekly	Quarterly
Dissolved Lead	Six monthly	Six monthly
Dissolved Nickel	Six monthly	Six monthly

<u>Dissolved Selenium</u>	<u>Weekly</u>	<u>Quarterly</u>
<u>Dissolved Manganese</u>	<u>Weekly</u>	<u>Quarterly</u>
<u>Nitrate N</u>	<u>Weekly</u>	<u>Quarterly</u>
<u>Ammoniacal - N</u>	<u>Weekly</u>	<u>Quarterly</u>
<u>Chlorophyll-a (mg chl-a/m<sup>2</sup>)</u>	<u>Quarterly</u>	

**Old Condition**

23.11 The sampling of sediment in the bed of the Snowy River, as required by Conditions 23.7c, shall be undertaken for the parameters and at the frequencies specified in Table 3.

<b>Table 3: Snowy River Bed Sediment Sampling Parameters &amp; Frequencies</b>	
<b>Parameter</b>	<b>Frequencies</b>
Arsenic	Quarterly
Aluminium	Quarterly
Copper	Quarterly
Antimony	Quarterly
Cadmium	Quarterly
Iron	Quarterly
Zinc	Quarterly
Lead	Six monthly
Nickel	Six monthly

**New Condition** (amendments in red, underlined and strikethrough)

~~23.11~~<sup>2</sup> The sampling of sediment in the bed of the Snowy River, as required by Conditions ~~23.7c~~<sup>23.78c</sup>, shall be undertaken for the parameters and at the frequencies specified in Table 3.

<b>Table 3: Snowy River Bed Sediment Sampling Parameters &amp; Frequencies</b>	
<b>Parameter</b>	<b>Frequencies</b>
Arsenic	Quarterly
Aluminium	Quarterly
Copper	Quarterly
Antimony	Quarterly
Cadmium	Quarterly
Iron	Quarterly
Zinc	Quarterly
Lead	Six monthly
Nickel	Six monthly

**Old Condition**

23.12 The sampling of water quality in the Snowy River and Little Grey River, as required by Conditions 23.7d and 23.7e, shall be undertaken for the parameters and at the frequencies specified in Table 4.

<b>Table 4: Snowy River &amp; Little Grey River Water Quality Sampling Parameters &amp; Frequencies</b>	
<b>Parameter</b>	<b>Sampling Sites &amp; Frequencies</b>

	<b>S2, S3, S4</b> (Snowy River sampling sites)	<b>S6, S7, S8</b> (Little Grey River sampling sites)
pH	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Conductivity	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Turbidity	Continuous (Sites S3 and S4)	-
	Weekly (Site S2)	Weekly for the first 12 months of monitoring, monthly thereafter
Total Suspended Solids	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Cyanide <sup>(WAD)</sup>	Monthly	-
Total Hardness	Monthly	-
Major Cations • Calcium • Magnesium • Potassium • Sodium	Monthly	Monthly
Major Anions • Bicarbonate • Carbonate • Chloride • Sulphate	Monthly	Monthly
Dissolved Aluminium	Weekly	
Dissolved Arsenic	Weekly	-
Total Arsenic	Weekly	
Dissolved Copper	Monthly	-
Dissolved Antimony	Monthly	-
Dissolved Cadmium	Monthly	-
Dissolved Iron	Monthly	-
Dissolved Zinc	Monthly	-
Dissolved Lead	Six monthly	-
Dissolved Nickel	Six monthly	-

**New Condition** (amendments in red, underlined and strikethrough)

234.123 The sampling of water quality in the Snowy River and Little Grey River, as required by Conditions 234.78d and 234.78e, shall be undertaken for the parameters and at the frequencies specified in Table 4.

<b>Table 4: Snowy River &amp; Little Grey River Water Quality Sampling Parameters &amp; Frequencies</b>		
<b>Parameter</b>	<b>Sampling Sites &amp; Frequencies</b>	
	<b>S2, S3, S4</b> (Snowy River sampling sites)	<b>S6, S7, S8</b> (Little Grey River sampling sites)
pH	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Conductivity	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter

Turbidity	Continuous (Sites S3 and S4)	-
	Weekly (Site S2)	Weekly for the first 12 months of monitoring, monthly thereafter
Total Suspended Solids	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
<u>Sulphate</u>	<u>Weekly</u>	
Cyanide (WAD)	Monthly	-
Total Hardness	Monthly	-
Major Cations • Calcium • Magnesium • Potassium • Sodium	<del>Monthly</del> <u>Weekly</u>	Monthly
Major Anions • Bicarbonate • Carbonate • Chloride • Sulphate	Monthly	Monthly
Dissolved Aluminium	Weekly	
Dissolved Arsenic	Weekly	-
Total Arsenic	Weekly	
<u>Dissolved Cobalt</u>	<u>Weekly</u>	
Dissolved Copper	<del>Monthly</del> <u>Weekly</u>	-
Dissolved Antimony	<del>Monthly</del> <u>Weekly</u>	-
Dissolved Cadmium	<del>Monthly</del> <u>Weekly</u>	-
Dissolved Iron	<del>Monthly</del> <u>Weekly</u>	-
<u>Total Iron</u>	<u>Monthly</u>	
Dissolved Zinc	Monthly	-
<u>Dissolved Selenium</u>	<u>Monthly</u>	
<u>Dissolved Magnesium</u>	<u>Monthly</u>	
<u>Nitrate N</u>	<u>Monthly</u>	
<u>Ammoniacal - N</u>	<u>Monthly</u>	
<u>Chlorophyll-a (mg chl-a/m<sup>2</sup>)</u>	<u>Quarterly</u>	
Dissolved Lead	Six monthly	-
Dissolved Nickel	Six monthly	-

### **Old Condition**

23.13 The sampling of aquatic biology in the Snowy River, as required by Condition 23.7f shall be:

- (a) Designed and undertaken by a suitably qualified and experienced freshwater biologist
- (b) Undertaken in accordance with the schedule specified in Table 5.

<b>Table 5: Aquatic Biology Parameters, Types of Analysis &amp; Frequencies</b>		
<b>Parameter</b>	<b>Type of Analysis</b>	<b>Frequency</b>
Benthic Macro-invertebrates	Taxonomic composition and abundances including MCI, numbers of E, P, and T, and species richness. <sup>1</sup>	Quarterly, the periods shall be: <ul style="list-style-type: none"> <li>• December to February;</li> <li>• March to May;</li> <li>• June to August;</li> <li>• September to November (inclusive).</li> </ul>
Benthic Algae	Assessment of the thickness and percentage cover of dominant species of benthic algae. <sup>2</sup>	
Fish	Taxonomic composition and abundances. <sup>3</sup>	Annually, during the period December to February.

**Notes to Table 5:**

- 1 MCI = Macro-invertebrate Community Index  
E = Ephemeroptera (mayflies)  
P = Plecoptera (stoneflies)  
T = Tricoptera (caddisflies)
- 2 Monitoring of algae shall include photographs of the river bed where appropriate.  
3 Qualitative survey only at sites S4 and S5.

**New Condition** (amendments in red, underlined and strikethrough)

~~234.134~~ The sampling of aquatic biology in the Snowy River, as required by Condition ~~234.78f~~ shall be:

- (a) Designed and undertaken by a suitably qualified and experienced freshwater biologist  
(b) Undertaken in accordance with the schedule specified in Table 5.

<b>Table 5: Aquatic Biology Parameters, Types of Analysis &amp; Frequencies</b>		
<b>Parameter</b>	<b>Type of Analysis</b>	<b>Frequency</b>
Benthic Macro-invertebrates	Taxonomic composition and abundances including MCI, numbers of E, P, and T, and species richness. <sup>1</sup>	Quarterly, the periods shall be: <ul style="list-style-type: none"> <li>• December to February;</li> <li>• March to May;</li> <li>• June to August;</li> <li>• September to November (inclusive).</li> </ul>
Benthic Algae	Assessment of the thickness and percentage cover of dominant species of benthic algae. <sup>2</sup>	
Fish	Taxonomic composition and abundances. <sup>3</sup>	Annually, during the period December to February.

**Notes to Table 5:**

- 1 MCI = Macro-invertebrate Community Index  
E = Ephemeroptera (mayflies)  
P = Plecoptera (stoneflies)  
T = Tricoptera (caddisflies)
- 3 Monitoring of algae shall include photographs of the river bed where appropriate.  
3 Qualitative survey only at sites S4 and S5.

**Old Condition**

23.15 In addition to Condition 23.14, there shall be no discharge into the Snowy River that results in any conspicuous change in either the colour or visual clarity of the Little Grey River that monitoring under Condition 23.7 indicates is attributable to the discharge authorised by this consent.

**New Condition** (amendments in red, underlined and strikethrough)

~~234.156~~ In addition to Condition ~~234.145~~, there shall be no discharge into the Snowy River that results in any conspicuous change in either the colour or visual clarity of the Little Grey River that monitoring under Condition ~~234.78~~ indicates is attributable to the discharge authorised by this consent.

**Old Condition**

23.16 The discharge to the Snowy River shall not result in the exceedance of the compliance limits specified in Table 6, as recorded by the difference between the water quality at the following sites:

- (a) Monitoring site S2;
- (b) Monitoring site S4.

<b>Table 6: Compliance Monitoring Limits</b>				
Parameter	Compliance Limits (All units g/m <sup>3</sup> , except pH)			Hardness-dependent criteria
	Median	90th Percentile	Maximum	
pH	--	--	6.5-9.0 (min. – max. range)	--
Total Suspended Solids	6	--	25	--
Dissolved Aluminium	0.4		1	
Dissolved Antimony	--	0.01	1.6	--
Dissolved Arsenic	0.1	0.15	0.34	--
Dissolved Cadmium	--	--	0.0009	--
Dissolved Copper	--	--	$\exp(1.038\ln(\text{hardness}) - 8.043)/2.6$	0.015
Cyanide (WAD)	--	--	0.1	--
Iron (total)	--	--	5.0	--
Dissolved Zinc	--	--	$\exp(0.9371\ln(\text{hardness}) - 4.801)/8.7$	0.071

**New Condition** (amendments in red, underlined and strikethrough)

234.167 The discharge to the Snowy River shall not result in the exceedance of the compliance limits specified in Table 6, as recorded by the difference between the water quality at the following sites:

- (a) Monitoring site S2;
- (b) Monitoring site S4.

<b>Table 6: Compliance Monitoring Limits</b>				
Parameter	Compliance Limits (All units g/m <sup>3</sup> , except pH)			Hardness-dependent criteria
	Median	90th Percentile	Maximum	
pH	--	--	6.5 <u>0</u> -9.0* (min. – max. range)	--
Total Suspended Solids	6	--	25	--
Dissolved Aluminium	0.4		1	
Dissolved Antimony	--	0.01	1.6	--
Dissolved Arsenic	0.1	0.15	0.34	--
Dissolved Cadmium	--	--	0.0009	--
Dissolved Copper	--	--	$\exp(1.038\ln(\text{hardness}) - 8.043)/2.6$	0.015
Cyanide (WAD)	--	--	0.1	--
Iron (total)	--	--	5.0	--
Dissolved Zinc	--	--	$\exp(0.9371\ln(\text{hardness}) - 4.801)/8.7$	0.071

<u>Sulphate</u>			<u>500</u>
<u>Ammoniacal nitrogen (mg/L)</u>	<u>≤0.24</u>		<u>≤0.40</u>
<u>Nitrate nitrogen (mg/L)</u>	<u>≤2.4</u>	<u>≤3.5</u>	
Chlorophyll-a (mg chl-a/m <sup>2</sup> )	>50 - <u>≤12</u> <u>t.0</u>		

\* On any given day there shall be no change in pH between sites S2 and S4 of ±1 pH unit.

### **Old Condition**

23.18 Reporting shall be undertaken in accordance with the requirements of Section 19 of the First Schedule of these consents.

### **New Condition** (amendments in red, underlined and strikethrough)

~~23.18~~19 Reporting shall be undertaken in accordance with the requirements of Section ~~19~~20 of the First Schedule of these consents.

### **Old Condition**

24.2 The Consent Holder shall undertake a sampling and monitoring programme at not less than 3 monthly intervals to verify waste rock geochemistry of the active areas of the waste rock stacks.

### **New Condition** (amendments in red, underlined and strikethrough)

~~24.2~~5.2 The Consent Holder shall undertake a sampling and monitoring programme at not less than 3 monthly intervals to verify waste rock geochemistry of the active areas of the waste rock stacks. The frequency of this sampling shall be increased to monthly once the underground mine development intercepts any zone of higher arsenic mineralisation, being the area approximately 60m above the Birthday Reef, to approximately 20m below and then again below the Birthday Reef at a depth of approximately 1064 to 1150m.

### **Old Condition**

24.6 The chartered engineer shall confirm in writing to the Consent Authority on completion of construction that the construction of the waste rock stacks have been undertaken in accordance with accepted civil engineering practices and the engineering plans provided with the Construction and Operational Management Plan, in accordance with Section 14 of the First Schedule.

### **New Condition** (amendments in red, underlined and strikethrough)

~~24.6~~5.6 The chartered engineer shall confirm in writing to the Consent Authority on completion of construction that the construction of the waste rock stacks ~~have~~s been undertaken in accordance with accepted civil engineering practices and the engineering plans provided with the Construction and Operational Management Plan, in accordance with Section ~~14~~5 of the First Schedule.

### **Old Condition**

24.7 In addition to the reporting requirements under Section 19 of the First Schedule of these consents, the Consent Holder shall report on the results of the monitoring programme undertaken in accordance with Condition 24.2 above.

### **New Condition** (amendments in red, underlined and strikethrough)

~~24.7~~5.7 In addition to the reporting requirements under Section ~~19~~20 of the First Schedule of these consents, the Consent Holder shall report on the results of the monitoring programme undertaken in accordance with Condition ~~24.2~~5.2 above.

### **Old Condition**

24.8 Immediately following the commencement of activities under this consent, the Consent Holder shall initiate and maintain a programme of progressive rehabilitation and revegetation of the land in accordance with the specific objectives and matters set out in Sections 13.2 and 13.3 of the First Schedule of these consents and in accordance with the Rehabilitation Plan prepared pursuant to Section 13 of the First Schedule of these consents.

### **New Condition** (amendments in red, underlined and strikethrough)

24~~5~~.8 Immediately following the commencement of activities under this consent, the Consent Holder shall initiate and maintain a programme of progressive rehabilitation and revegetation of the land in accordance with the specific objectives and matters set out in Sections ~~13~~13.2 and ~~13~~13.3 of the First Schedule of these consents and in accordance with the Rehabilitation and Closure Plan prepared pursuant to Section ~~13~~13.4 of the First Schedule of these consents.

### **Old Condition**

24.9 Notwithstanding Condition 24.8, the Consent Holder shall rehabilitate the waste rock stacks in accordance with the specific rehabilitation objectives and Rehabilitation Plan prepared pursuant to Section 13 of the First Schedule of these consents, prior to the expiry of the consent and following decommissioning of the Mine.

### **New Condition** (amendments in red, underlined and strikethrough)

24~~5~~.9 Notwithstanding Condition 24~~5~~.8, the Consent Holder shall rehabilitate the waste rock stacks in accordance with the specific rehabilitation objectives and Rehabilitation and Closure Plan prepared pursuant to Section ~~13~~13.4 of the First Schedule of these consents, prior to the expiry of the consent and following decommissioning of the Mine.

### **Old Condition**

25.1 Notwithstanding any other conditions of these consents, the Consent Holder shall operate all mining and associated processes/operations in such a manner so as to ensure that emission of dust is kept to a practicable minimum, and in any case, does not result in greater than 4 grams per square metre per 30 day period of deposited particulate (as measured by deposition gauges) beyond the boundary of the Blackwater Gold Project site.

### **New Condition** (amendments in red, underlined and strikethrough)

25~~6~~.1 Notwithstanding any other conditions of these consents, the Consent Holder shall operate all mining and associated processes/operations in such a manner so as to ensure that emission of dust is kept to a practicable minimum, and in any case, does not result in greater than 4 grams per square metre per 30 day period of deposited particulate (as measured by deposition gauges) beyond the boundary of the ~~Blackwater Gold Project~~ Snowy River mine site.

### **Old Condition**

28.6 Notwithstanding Condition 28.5, in the event that the available gravel resource becomes depleted in the opinion of the Consent Authority, the Consent Holder shall cease or reduce its gravel extraction upon written notification from the Consent Authority to do so.

### **New Condition** (amendments in red, underlined and strikethrough)

28~~9~~.6 Notwithstanding Condition 28~~9~~.5, in the event that the available gravel resource becomes depleted in the opinion of the Consent Authority, the Consent Holder shall cease or reduce its gravel extraction upon written notification from the Consent Authority to do so.

### **Old Definitions**

"Blackwater Gold Project Site" and "Snowy Road Site" for the purpose of these consents refers to the activities undertaken by Oceana Gold (New Zealand) Ltd and includes the Snowy Portal site.



"Consent Authority" means the West Coast Regional Council

"the Act" means the Resource Management Act 1991

"Hazardous Substance" means any substance –

- (a) With one or more of the following intrinsic properties:
  - (i) Explosiveness:
  - (ii) Flammability:
  - (iii) A capacity to oxidise:
  - (iv) Corrosiveness:
  - (v) Toxicity (including chronic toxicity):
  - (vi) Ecotoxicity, with or without bioaccumulation; or
- (b) Which on contact with air or water (other than air or water where the temperature or pressure has been artificially increased or decreased) generates a substance with any one or more of the properties specified in paragraph (a) of this definition.

"Contaminant" includes any substance (including gas, odorous compounds, liquids, solids, and micro-organisms) or energy (excluding noise) or heat, that either by itself or in combination with the same, similar, or other substances, energy, or heat—

- (a) When discharged into water, changes or is likely to change the physical, chemical, or biological condition of water; or
- (b) When discharged onto or into land or into air, changes or is likely to change the physical, chemical, or biological condition of the land or air onto or into which it is discharged.

**New Definitions** (amendments in **red**, underlined and strikethrough)

~~"Blackwater Gold Project~~ **Snowy River Mine** Site" and "Snowy Road Site" for the purpose of these consents refers to the activities undertaken by Oceana Gold (New Zealand) Ltd, **and/or Federation Mining** and includes the Snowy Portal site.

"Consent Authority" means the West Coast Regional Council

"the Act" means the Resource Management Act 1991

"Hazardous Substance" means any substance –

- (a) With one or more of the following intrinsic properties:
  - (i) Explosiveness:
  - (ii) Flammability:
  - (iii) A capacity to oxidise:
  - (iv) Corrosiveness:
  - (v) Toxicity (including chronic toxicity):
  - (vi) Ecotoxicity, with or without bioaccumulation; or
- (b) Which on contact with air or water (other than air or water where the temperature or pressure has been artificially increased or decreased) generates a substance with any one or more of the properties specified in paragraph (a) of this definition.

"Contaminant" includes any substance (including gas, odorous compounds, liquids, solids, and micro-organisms) or energy (excluding noise) or heat, that either by itself or in combination with the same, similar, or other substances, energy, or heat—

- (a) When discharged into water, changes or is likely to change the physical, chemical, or biological condition of water; or
- (b) When discharged onto or into land or into air, changes or is likely to change the physical, chemical, or biological condition of the land or air onto or into which it is discharged.

“Tailings Storage Facility” means a tailings facility (cell) within the waste rock stack that has been purpose built to incorporate the co-disposal of dry stack tailings derived from the processing plant with the waste rock stack onsite. Within the waste rock stack the cell facility is comprised of three zones, the underdrain, the co-disposal areas and the dry tailings.

“Water and Contaminant Treatment” means components necessary to minimise the adverse effects on the environment with practical management of the water that may be impacted because of the Snowy River Mine Project. The key components of the water and contaminant treatment system to be employed on site include:

- Segregation of the mine water domains;
- Targeted treatment of the mine water domains including the use of both active and passive water and contaminant treatment facilities onsite;
- Minimize water consumption onsite;
- Discharge the treated mine water indirectly to the Snowy River;
- Provide flexibility in the mine water infrastructure to adapt to changes in mine scheduling and knowledge of the mine water discharges.

“Wetland Treatment” means an area of land approximately 1.3 hectares which shall be designed to polish the discharge prior to it entering the Snowy River via seepage. It shall be planted with suitable wetland type species and designed to remove suspended solids and nitrogen compounds within the discharge. The treatment wetland is constructed for the purpose of treating contaminants and therefore is not captured by the definition of a natural wetland under 3.21 of the National Policy Statement for Freshwater Management 2020.

“Active water treatment” means the use of an onsite water and contaminant treatment plant.

“Passive water treatment” means the use of an onsite land based system to retain and treat certain contaminants.

“Operation” or “operational phase” means the construction and development of the decline and associated underground mining activities, ore winning and construction, use and maintenance of the waste rock stack. It includes the processing of ore material at site and the construction and use of any active and passive water treatment and associated infrastructure.

“Active closure” phase means the site rehabilitation activities once mining operations have ceased onsite. All active water management and treatment infrastructure remains onsite. This phase continues until the waste rock stack is fully capped, and vegetative cover reaches greater than 80% within the site (excluding roads and areas of land to be used for ongoing water management infrastructure) and is self-sustaining.

“Post closure” phase beings once infrastructure is in place to allow all active water and contaminant treatment systems to be removed from the site and the site is fully compliant with the water quality limits in RC13042-12.

“Trigger Action Response Plan” (TARP) is a management tool to assist in the management of operations. A TARP defines the minimum set of actions required by workers in response to a deviation from normal working conditions.

### **REASON FOR DECISION PURSUANT TO SECTION 113, RESOURCE MANAGEMENT ACT 1991**

In making this decision to grant the resource consent change of condition the purpose and principles of the Resource Management Act 1991 as set out in Part II of the Act have been taken into account together with Section 104, which requires an assessment of the effects of the proposed activity.

The change to the purposes of the consent was an administrative change only with a change to the project name being the only change. This change does not materially change any purpose or allow anything additional to be undertaken or any change to the potential effects therefore was allowed.

The other changes are to allow ore to be processed on site, allow for additional identified contaminants to be monitored for and to make other minor changes to flood return periods and other assorted administrative changes. There will be no increases in compliance limits, only addition of

parameter for monitoring which have been identified associated with the blasting that would have been occurring anyway. There will be no change to the potential environmental effects already assessed under the current consent and the potential effects can be considered as no more than minor.

As a result of the addition of new conditions, the numbering of the conditions needs to be changed for most conditions. These changes will be undertaken as part of the change process but have not been reproduced above where the condition number was the only change.

#### **OBJECTION TO THE CONSENT AUTHORITY**

You are advised that you have a right of objection to the Consent Authority in respect of this decision, pursuant to Section 357A of the Resource Management Act 1991. Any objection is to be in writing and must set out the reasons for the objection. Any objection must be made within 15 working days of receipt of this decision. The Consent Authority will then consider the objection and give its decision in writing. Any person who made an objection may appeal to the Environment Court against the Consent Authority's decision on the objection, pursuant to Section 358.

Alternatively, pursuant to Section 120 of the Resource Management Act 1991 you have the right of appeal directly to the Environment Court against the whole or any part of this decision. Notice of appeal shall be in the prescribed form and must be lodged with the Environment Court and served on the Council within 15 working days of receipt of the Council's decision.

#### **COSTS**

The full costs of the processing of this application have been covered by your application fee.

The final consent document will be issued if no objection/appeal has been received after the 15 working day objection period has passed. Alternatively, the Council will issue a final document if you advise the Council in writing that you will not be lodging any objection/appeal.

If you have any queries regarding this matter, please contact the Council.



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Heather Mabin  
**Chief Executive Officer**



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17 January 2022

Enquiries to: Rachel Clark  
Our Reference: RC-2022-0079

Oceana Gold (New Zealand) Ltd  
C/- Mitchell Daysh Ltd  
PO Box 489  
DUNEDIN 9054

Dear Ms Hunter

**Oceana Gold (New Zealand) Ltd  
RESOURCE CONSENT FILE NUMBER RC-2022-0079  
DISCHARGE PERMITS RC-2022-0079-01 to 03**

By delegated authority of Council you are advised that the above applications for resource consents have been granted.

Please note that this letter is not the actual resource consent document (refer to Objection and Costs Sections at end of the letter).

**DECISION**

Pursuant to sections 104, 104B and 105 of the Resource Management Act 1991, 3 Discharge Permits have been granted to Oceana Gold (New Zealand) Ltd for the purposes described below and subject to the following conditions.

**PURPOSE OF RESOURCE CONSENT**

<b>Consent No</b>	<b>Consent Type</b>	<b>Activity / Location</b>
RC-2022-0079-01	Discharge Permit	To discharge contaminants to the air from the construction and operation of the processing plant at the Snowy River site.
RC-2022-0079-02	Discharge Permit	To discharge contaminants to land that may enter water from the discharge of waste rock stack and dewatered tailings generated from within the processing plant.
RC-2022-0079-03	Discharge Permit	To discharge contaminants to land that may enter water from the placement of paste material generated from the processing plant within the underground mine.

**LOCATION**

Waiuta

**MAP REFERENCE**

At or about NZTM 1499832E, 5317401N

## **CONDITIONS APPLYING TO ALL RESOURCE CONSENTS**

### **Method of Operations**

1. All activities authorised by these consents shall be undertaken in accordance with the information contained within the Application and Assessment of Environmental Effects dated 17 June 2022, and all supporting technical documents and plans. In particular, the activity shall be undertaken in accordance with the following reports, attached to the 17 June 2022 AEE:
  - a) Appendix E: Snowy River Gold Project – Waste Rock Stack Preliminary Design, PDP
  - b) Appendix F: Snowy River Gold Project – Management of Mine Water, PDP
  - c) Appendix G: Geochemistry Report – Mine Waste Management, MWM

The activities that are authorised by these consents are as follows:

- i. The discharge of processing plant waste tailings, including incorporated into a paste material into the underground mine void;
  - ii. The placement of dewatering tailings from ore processing into and co-disposal of potentially acid forming (PAF) rock, into the waste rock stack;
  - iii. Discharges to air arising from the construction, operation and maintenance of the processing plant and tailings storage facility on the site;
  - iv. These consents shall be undertaken in conjunction with those activities authorised by consents RC13042 -01 – RC13042-15.
2. The Consent Holder shall be responsible for overseeing all sub-contractors' operations, and for making them aware of the relevant conditions of this consent, and to ensure compliance with those conditions.

### **Complaints and Non-compliance**

3. The Consent Holder, upon receipt of any complaint, shall promptly investigate the complaint, take action to remedy or mitigate the cause of the complaint and inform the Consent Authority as soon as practicable of the details of the complaint and the action taken.
4. The Consent Holder shall maintain and keep a complaints register for all aspects of operations in relation to these consents. The register shall detail the date, time and type of complaint, cause of the complaint, and the action taken by the Consent Holder in response to the complaint. The register shall be available to the Consent Authority at all reasonable times. Complaints, which may infer non-compliance with the conditions of these consents, shall be referred to the Consent Authority as soon as practicable.
5. Unless otherwise stated within these consents, in the event of any breach of compliance of the conditions of these consents the Consent Holder shall notify the Consent Authority within 48 hours of the breach being detected. Within 5 days of any breach the Consent Holder shall provide written notification to the Consent Authority which explains the cause of the breach, and if the cause was within the control of the Consent Holder, steps which were taken to remedy the breach and steps which will be taken to prevent any further occurrence of the breach.
6. The Consent Holder shall remain liable under the Act for any breach of conditions of these consents which occur before the expiry of the consent and for any adverse effects on the environment which become apparent during or after the expiry of these consents.

## **Notification of Exercise of Consent**

7. The Consent Holder shall notify the Consent Authority in writing as soon as practicable of the date that activities first commence under these consents.
8. The Consent Holder shall notify the Consent Authority in writing of the intention to cease the exercise of these consents at least 6 months prior to the activities under these consents ceasing.
9. The Consent Holder shall notify the Consent Authority in writing as soon as practicable after activities under any of these consents cease.

## **Snowy River Liaison Group**

10. The Consent Holder shall facilitate the establishment of a **Snowy River Liaison Group** and shall invite representation from Te Rūnanga o Ngāti Waewae, the Department of Conservation, the owners of the land on which the mine and associated infrastructure is located, West Coast Regional Council and Buller District Council. The Consent Holder shall be responsible for convening meetings every six months, the provision of a venue for the meetings, and providing any necessary administrative assistance to the working party. The Consent Holder shall ensure that the invitations to attend meetings occur are sent at least three weeks prior to each meeting and shall facilitate any other meetings, if decided necessary by the group.
11. Should any of the external parties referred to in Condition 10 chose not to continue to be part of the Snowy River Liaison Group (at any point) then the Consent Holder shall not be deemed to be in breach of these conditions.
12. The purpose of the meetings shall be for the Consent Holder to present the monitoring results, review results and discuss these with the parties, and provide project updates and planned mine works and progress, including at the appropriate time details relating to closure and rehabilitation of the mine site. The Consent Holder shall provide an update on any non-compliance with conditions and processes being undertaken to address any non-compliance.
13. The Consent Holder shall liaise with the Snowy River Liaison Group five years prior to the conclusion of the onsite site processing to discuss the Closure Plan for the site to confirm closure criteria and necessary actions to facilitate closure. This time frame is to allow for consideration of future technologies and processes which may be applied to allow for an enhanced environmental outcome. Any feedback received shall be incorporated into the final Rehabilitation and Closure Plan prepared in accordance with Conditions 50 to 52.

## **Bonds**

14. The Consent Holder shall provide and maintain in favour of the West Coast Regional Council and the Buller District Council (jointly for their respective interests) ("the Councils") a bond or bonds to secure the compliance by the Consent Holder with all of the conditions of consents:
  - (a) RC13042-01 to RC13042-15 and RC2022-0079-01 to RC-2022-0079-03, inclusive, granted by the West Coast Regional Council; and
  - (b) RC130025 granted by the Buller District Council.

including the completion of all rehabilitation works required by these consents and all monitoring obligations of the Consent Holder and to avoid, remedy, or mitigate any adverse effects on the environment arising as the result of the exercise of the consents set out above.

The Consent Holder shall provide a bond or bonds for the quantum for a minimum of a three year term, such term to be renewed for a minimum of a further three year term (or such other term as the parties may agree) on a yearly basis on the anniversary of the date of commencement of these consents.

#### Form of Bond

15. The bond or bonds shall be in a form approved by a firm of solicitors nominated by the West Coast Regional Council and Buller District Council jointly, taking into account the ability of the Consent Holder to arrange a guarantor or surety ("the guarantor") and the guarantor's acceptance of the term of the bond.

#### Content of Bond

16. The bond or bonds shall provide that the Consent Holder shall be liable and remain liable for meeting:
  - (a) The cost of remedying or mitigating any breach of the conditions of the consents as detailed in Condition 14 hereof; and
  - (b) The cost of avoiding, remedying or mitigating and or monitoring any adverse effect on the environment which become apparent during or after the expiry of the consents set out above.

#### Payment

17. Unless the bond is a cash bond, the payment of the bond quantum by the Consent Holder shall be guaranteed by a guarantor acceptable to the Buller District Council and the West Coast Regional Council.
18. The guarantor shall bind itself to pay up to the bond quantum for the carrying out and completion of all obligations of the Consent Holder under the bond.
19. If the Consent Holder is unable at any time to arrange a guarantor for the quantum, the Consent Holder shall provide a cash bond or bonds for the quantum within 12 months of the date of the renewal referred to in Condition 15 above.

#### Term

20. The bond or bonds shall remain in place for a period of ten years after the surrender, expiry or lapsing of the consents referred to in Condition 14.

#### Amount

21. The Consent Holder shall provide the Councils with a report which recommends the amount of the initial bond ("the Bond Report") within 30 days from the date of commencement of these consents.
22. The amount of the initial bond shall be reviewed and fixed by the Councils in accordance with the Bond Report not later than 20 working days after the date of which the Councils receive the Bond Report.
23. The Consent Holder shall put in place the bond fixed by the Councils in accordance with Condition 22 above within 10 working days of the date on which the bond is fixed.

24. The West Coast Regional Council and the Buller District Council may jointly vary the amount of the bond from time to time (either up or down) at yearly intervals within one month of the anniversary of the date of commencement of these consents ("the Review Date") after the Consent Holder has provided the two Councils with the annual update of estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents referred to in Condition 14, as identified in General Conditions 69-71 (Annual Work Plan).
25. The annual update of estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents referred to in Condition 24 shall be prepared by an independent advisor, with expertise in mining bond calculation, mutually acceptable to Consent Holder and the two Councils, and be supplied to the Councils at least one month prior to the Review Date.
26. In setting any new bond sum, the Councils shall have particular regard to the updated estimates of the costs of rehabilitation, monitoring and compliance with all conditions of consents provided by the Consent Holder in accordance with Conditions 24 and 25. The two Councils shall also take into account the quantum and purpose of any bond provided by the Consent Holder in favour of the Minister of Conservation.
27. The amount of the bond shall be advised in writing to the Consent Holder within one month after the Review Date.
28. The Consent Holder shall meet the reasonable costs of bond reviews.
29. The Consent Holder may apply to vary the amount of the bond pursuant to Section 127 of the Act.
30. If at any time the amount of the bond is varied pursuant to this condition or pursuant to any application, then the Consent Holder (and unless the bond is a cash bond, the guarantor approved by the West Coast Regional Council and Buller District Council) shall, within thirty (30) days of being advised of the new bond quantum, execute and lodge with the Consent Authorities a new bond for the varied amount or the additional amount required in excess of the existing bond.
31. The Consent Holder shall not exercise or shall cease to exercise these consents:
  - i) Until the bond referred to in Condition 32 hereof is executed by the Consent Holder and guarantor and deposited with the consent authorities, and
  - ii) In respect of any varied or reviewed bond referred to in Condition 24, after thirty (30) working days has expired from the date the Consent Holder was notified of the terms of the varied or reviewed bond by either Council, unless the varied or reviewed bond has been executed by the Consent Holder (and, unless the bond is a cash bond, a guarantor) and has been deposited with the Consent Authorities, or
  - iii) In respect of any bond sum changed or reviewed pursuant to Sections 127 or 128 of the Act, after thirty (30) working days has expired from the date the Consent Holder was notified of the decision of the changed or reviewed bond by either Council, unless the changed or reviewed bond has been executed by the Consent Holder (and, unless the bond is a cash bond, a guarantor), and has been deposited with the Consent Authorities.



### Further bond

32. At the conclusion of the bond term referred to in Condition 20, the sum of five hundred thousand dollars (\$500,000) shall continue to be held for a further period of 20 years either as a cash bond, or on such other terms as is agreed between the Consent Holder and the Councils. This bond shall be in favour of the Councils and can be used by the Councils for the purpose of remedying or mitigating any effects that arise from the mine closure and rehabilitation activities conducted by the Consent Holder.
33. If there is any bond remaining after the expiry of the 20 year period, that remaining money can be shared equally between the Buller District Council and the West Coast Regional Council (or their successors) for the purpose of any further ongoing monitoring or rehabilitation, and or carrying out native vegetation plantings in the area.

### Transfer of Consents

34. If any consent is transferred in part or whole to another party or person, the bond lodged by the transferor shall be retained until any outstanding work at the date of the transfer is completed to ensure compliance with all conditions of these consents unless the Consent Authorities are satisfied adequate provisions have been made to transfer the liability to the new Consent Holder.

### Costs

35. The Consent Holder shall meet the reasonable costs of providing any bond, including the costs of preparation of the bond and any substitute bond.

### **Accidental Discovery Protocol**

36. Should any cultural artefacts be discovered during the development, the applicant shall inform Te Runanga o Ngāti Tahu and Te Rūnanga o Ngāti Waewae of the discovery.
37. In the event of any disturbance of Koiwi Tangata (human bones) or Taonga (artefacts, including pounamu), the Consent Holder shall:
  - (a) Cease any further excavation for a period of at least 24 hours;
  - (b) Immediately advise the Consent Authority of the disturbance;
  - (c) Immediately advise the Chair of Te Rūnanga o Ngāti Waewae, or their representative, of the disturbance; and
  - (d) Immediately advise the Regional Archaeologist of the New Zealand Historic Places Trust except in relation to disturbance of unworked pounamu.

### **Hazardous Substances**

38. The Consent Holder shall ensure that all fuels, oils and chemicals stored or used at the site are contained in appropriately bunded facilities and that all fuel/oil dispensers are fitted with non-return valves. Runoff from such storage areas shall be directed through oil/water separators and shall not contain more than 20 g/m<sup>3</sup> of total petroleum hydrocarbons nor more than 100 g/m<sup>3</sup> of total suspended solids.
39. Refuelling, lubrication and any mechanical repairs shall be undertaken in an area that provides sufficient mitigation measures to ensure that no spillages onto the land surface or into water occur.

40. All substation facilities containing transformers that hold more than 200 litres of oil shall provide for secondary containment sufficient in size to hold the volume of oil stored in the largest transformer.

### **Management & Action Plans**

41. At least two months prior to undertaking any activities authorised by these Consents, the Consent Holder shall provide to the Consent Authority the following management plans:

- (a) Contingency and Response Plan;
- (b) Rehabilitation and Closure Plan;
- (c) Construction and Operational Plan;
- (d) Water and Contaminant Management Plan;
- (e) Air Management Plan; and
- (f) Annual Work Plan.

The mining activities covered by these consents shall not commence until the plans have been certified by the Consent Authority within one month of receipt as being in compliance with consent conditions, unless otherwise approved by the Consent Authority in writing.

42. The purpose of the respective management plans is set out within conditions 50 to 75 below. Subject to any other conditions of these consents, all activities shall be undertaken in accordance with the latest version of the management plans.

43. The management plans may be reviewed at any time by the Consent Holder and may be amended accordingly to take into account:

- (a) Any required actions identified as a result of monitoring under these consents; and/or
- (b) Any changes required as a result of actions identified in the Annual Work Plans.

44. The management plans shall be reviewed within one month by the Consent Holder upon written request by the Consent Authority for either of the purposes set out in General Condition 43(a) or 43(b) above.

45. Each management plan and review thereof shall be reviewed and certified by the Consent Authority to ensure that the activities undertaken in accordance with the management plan will achieve compliance with the relevant consent conditions.

46. The Consent Holder shall report annually in the Annual Work Plan to the Consent Authority on compliance with the management plans set out in General Condition 41.

47. A copy of the latest version of the management plans shall be kept on site at all times and all key personnel shall be made aware of each management plan's contents.

### **Contingency & Response Plan**

48. A Contingency & Response Plan shall be prepared that sets out the procedures to be followed by the Consent Holder and parties under its control in the event of any accidents or other events that may result in adverse environmental effects.

49. The Contingency & Response Plan shall as a minimum address the following matters:

- (a) Preventative measures and the actions to be taken with regard to accidental spills of oil, fuel or chemicals.
- (b) Preventative measures and the actions to be taken with regard to rupture or spillage from any pipeline transporting material, water or contaminants around the mine site.
- (c) Preventative measures and the actions to be taken with regard to spillages during transportation of hazardous substances or gold ore to or from the mine site.
- (d) A list of all hazardous substances and potentially contaminating materials held on-site.
- (e) Emergency response procedures and emergency contacts during the event of –
  - i) Power failure;
  - ii) Fire; and
  - iii) Natural event/disaster.
- (f) The personnel who will be on-site and their responsibilities, such that the provisions of the plan can be implemented at all times.

### **Rehabilitation and Closure Plan**

50. A Rehabilitation and Closure Plan shall be prepared that sets out the rehabilitation strategies for all facilities and operational areas to be adopted during operation of the mine and post-mining phase.
51. The Rehabilitation and Closure Plan shall as a minimum address the following specific objectives:
- (a) To set out over a five to ten year timeframe the closure and rehabilitation requirements for the site.
  - (b) To establish an appropriate vegetation cover that avoids planting large and deep rooted trees on the waste rock stack that have the potential to impair the integrity of the waste rock capping layer.
  - (c) To ensure short and long term stability of all structures and works and their surrounds including diversion channels which have been created to maintain the integrity of the waste rock stack landform and to prevent water ingress into the waste rock stack permanently.
  - (d) To minimise maintenance after completion of rehabilitation.
  - (e) To protect water and soil from the effects of erosion.
  - (f) Except where any permanent diversions or modifications are necessary to maintain the integrity of any permanent features on the site, such as the waste rock stack landform, the Consent Holder shall be required to restore all disturbed watercourses, including their banks and beds, to a natural and stable condition.
  - (g) To ensure water leaving the site associated with the waste rock stack and tailings storage facility is in a condition suitable for aquatic life and to ensure that it achieves the water quality limits specified in RC-2022-0079-02 without active treatment.
  - (h) To remove all buildings, plant and equipment, including water and contaminant treatment plant, if required.
52. All rehabilitation shall address the following specific matters:

- (a) Topsoil and Vegetation Cover
- iv) The Consent Holder shall as far as practicable, stockpile topsoil, unless the material is required for construction purposes. All salvaged material shall be used for rehabilitation purposes.
  - v) Revegetation shall be progressive as areas of practical working size become available.
  - vi) All areas that have been revegetated under these consents shall be maintained as necessary to ensure that they meet the objectives under Condition 51 at all times.
- (b) Waste Rock Stack/Tailings Storage Facility
- i) The Consent Holder shall design and construct all waste rock stack and the tailings storage facility in accordance with the Annual Work Plan.
  - ii) The Consent Holder shall locate, form and shape all waste rock stack and the tailings storage facility so that their profiles, contours, skylines and transitions closely resemble and blend with the surrounding natural landforms.
  - iii) The Consent Holder shall ensure that the waste rock stack is progressively revegetated in accordance with other conditions of these consents. A planting schedule shall be including specifying grasses and small shrubs, excluding deep rooted plants or trees.
  - iv) The Consent Holder shall ensure that there is a suitable capping of the waste rock stack to prevent water and oxygen entering into the structure in order to maintain its integrity.
- (c) Removal of Buildings and Structures
- i) Before the expiry of the consent, the Consent Holder shall remove all buildings, structures, plant and equipment (whether attached to the land or not) associated with the exercise of these consents, unless the landowner requires them to remain for future use.
  - ii) This condition does not apply to any plant, equipment, or monitoring structure which is permitted or required to remain after these consents expire.
- (d) Removal of Access Roads and Haul Roads
- i) Any access roads and haul roads constructed within the area shall not remain in place for vehicle use in the future unless the landowner requires them to be left open.
  - ii) If any access roads/haul roads are not required, the road surface shall be ripped and all available soil material pulled back over the road.
  - iii) The road shall be contoured to conform to the surrounding landscape and revegetated in accordance with other conditions of these consents.
- (e) Closure Management
- i) The plan shall set out an appropriate monitoring programme to ensure waterways are protected for the full duration of the closure and rehabilitation phase to achieve compliance with the water quality limits set out in the conditions of RC-2022-0079-02 during both the active and post closure phases;
  - ii) The plan shall set out landowner responsibilities post closure and whether it is necessary to draw upon the post closure bond;
  - iii) The plan shall set out landowner consultation, briefing and training on the management of any ongoing water and contaminant treatment

systems to be retained on the site (e.g. passive treatment), desludging of sediment ponds and protection of the Waste Rock Stack capping.

## **Construction & Operational Plan**

53. A Construction and Operational Management Plan shall be prepared that sets out the practices and procedures, with respect to construction and operation of the Snowy River Mine site.
54. The Construction & Operational Management Plan shall as a minimum address the following matters:
- (a) Description of all construction works, construction methods and equipment to be used.
  - (b) Construction programme including timetable, sequence of events and duration.
  - (c) Detailed design, location, operation and maintenance of stormwater runoff control and sediment control facilities during construction activities and operation of the Snowy River Mine site, including detailed engineering plans and design specifications for temporary and permanent silt dams and diversion channels.
  - (d) Detailed plans and specifications for any works (including upgrading, cutting and filling) on Snowy Road or haul roads including the location and placement of the Snowy River bridge and any culverts.
  - (e) Procedures for stripping and salvage of vegetation, soil material and other material suitable for rehabilitation purposes.
  - (f) Landscaping and rehabilitation of disturbed areas after the initial construction phase at the Snowy River Mine site, where appropriate.
  - (g) Monitoring, complaints and reporting procedures during construction activities and operation of the Snowy River Mine site.
  - (h) Procedure for locating, recording and documenting the historical mine workings at the Snowy River Mine site.
  - (i) Training and supervision of operators and contractors during construction activities and operation of the Snowy River Mine site.
- (e) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stack and the tailings storage facility and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, treatment pond and any other dam or water and contaminant management structures.
- (f) The Consent Holder shall provide a certificate(s) to the Consent Authority, signed by a chartered engineer experienced in the construction of structures listed in Conditions 14.2(c) and 14.2(j), stating that the engineering plans relating to the structures have been designed in accordance with accepted civil engineering practices.
- (g) Detailed engineering plans and design specifications for the construction and maintenance (where appropriate) of the waste rock stacks and the tailings storage facility and encapsulation of hazardous or potentially hazardous waste rocks, silt dams, bunds, any other dam structures, water and contaminant treatment plants and pond systems for managing water quality from dewatering the Prohibition Shaft, the Mine operation and during mine decommissioning and post mine closure.
- (h) Mitigation measures to avoid nuisance dust emissions from the Snowy River Mine site.

55. The Construction & Operational Management Plan shall comply with the relevant conditions of these consents and may be amended, as the Consent Holder considers appropriate during the period of these consents. Any amendments to the Plan must be submitted to the Consent Authority as soon as practicable.

### **Water and Contaminant Management Plan**

56. A Water and Contaminant Management Plan shall be prepared that sets out the practices and procedures, with respect to site stormwater and water discharges, to be adopted in order that compliance with the water quality limit conditions under resource consents RC-2022-0079-02 can be achieved and the effects of water discharges are minimised to the greatest extent practicable.
57. The Water and Contaminant Management Plan shall as a minimum address the following matters:
- (a) A description of the management of the following materials, including any potential contaminants of concern identified and the necessary treatment:
    - i) Ore material consisting of quartz, greywacke, agrellite and sulphides extracted from underground mining;
    - ii) Other rock material extracted from underground mining;
    - iii) Underground mine water including water from historic underground workings;
    - iv) Processing plant material including processing waste tailings;
    - v) Sediment and sludge within onsite ponds and treatment facilities;
    - vi) Stormwater.
  - (b) Operation and maintenance of stormwater runoff control and sediment control facilities during the mine operation and post-mining phase, including in perpetuity, including:
    - i) Operational procedures for all pond spillways;
    - ii) Procedures for cleaning silt ponds and disposal of sludge/sediment.
  - (c) A description of the operational design and capacity of the water and contaminant treatment plant and ponds, and the expected performance of these facilities to treat contaminants contained in the discharge, which takes into account the following matters:
    - i) Monitoring and any required further assessment of the geochemical composition of the discharges to identify and characterise the contaminants of potential concern, with a particular focus on arsenic and iron within the discharge;
    - ii) Any other methods necessary to ensure that the water and contaminant treatment plant and ponds have the capacity to treat the mine water discharge to the extent necessary to meet the water quality compliance limits specified in RC-2022-0079-02.

- (d) A description of the post mine closure management of water quality of discharges, including performance monitoring requirements within the discharge and expected water quality outcomes.
  - (e) Training and supervision of operators and contractors associated with water management activities.
  - (f) Monitoring, complaints and reporting procedures for groundwater and surface water discharges during the mine operation and post-mining phase.
- (g) The Consent Holder will commission an annual review of operation and management of the WRS by a suitably qualified engineer which shall focus in particular on the performance of the management measures necessary to ensure that mine affected water continues to be diverted to the water treatment plant to ensure ongoing compliance with the water quality conditions set out in the regional council consent. The engineer shall prepare a report outlining the review findings. A copy of the report will be provided to Te Rūnanga o Ngāti Waewae and Department of Conservation.

### **Active and Post Closure Phases – TARP**

58. As part of the Water and Contaminant Management Plan the Consent Holder shall prepare a Trigger Action Response Plan (TARP) that is specific to the management of the closure of the site. The objective of the TARP is to ensure that the proposed water management system during the active and post closure phases of the mine is effective and that discharges from the site continue to meet the water quality compliance limits specified in RC-2022-0079-02.
59. The purpose of the TARP is to manage uncertainties through the use of “early warning triggers” so as to minimise the risk of exceeding contaminant limits in discharges from the site during both the active and closure phases of the mining activity. The TARPs shall describe the methods for monitoring the performance of the water management systems and the physical characteristics and water quality parameters of key parts of the system during the active and post closure phases, and to explain the actions that are required to be undertaken by the Consent Holder should any TARP triggers be reached or exceeded during these periods.
60. The TARP shall include, but not be limited to, the following matters:
- (a) Identify the water management systems that will be in place during the active and closure phases of the mine;
  - (b) Provide a description of the key water management and mitigation features that will remain onsite during the active and post closure phases;
  - (c) A description of the performance discharge quality monitoring that will be undertaken during the active and post closure phases;
  - (d) A description of the discharge quality and early warning triggers during both the active and post closure phases that will necessitate the Consent Holder undertaking either further investigation or action to address the trigger which has occurred;
  - (e) Provide a description of the investigations or actions that will be implemented by the Consent Holder in response to an early warning trigger being reached or exceeded;
  - (f) Provide a description of the steps that will be undertaken to mitigate or remediate the resultant effects on water quality of that early warning trigger being reached or exceeded.

- (g) Identify and provide whether any new consents are required to be applied for to enable mine closure once that stage of mine development is reached in order to ensure that any ongoing discharges from the site continue to meet the water quality limits specified in RC-2022-0079-02
61. If any of the early warning triggers identified within the TARP are reached or exceeded, then the Consent Holder shall be required to implement the corresponding actions.
62. Prior to moving to the post closure phase, the TARP shall be reviewed by the Consent Holder to ensure that it will continue to meet the objective and purpose described in conditions 58 and 59 for the remaining duration of the consent. The purpose of this review shall be to confirm that it accurately reflects onsite activities, the requirements of these conditions of consent, the water management system and to identify if changes to the early warning triggers, investigations or actions contained within the TARP for the post closure phase are required. A written report detailing the results of any formal review shall be provided to the Consent Authority within 20 working days of the review being undertaken and completed confirming that the reviewed TARP continues to give effect to these conditions.

### **Air Quality Management Plan**

63. An Air Quality Management Plan shall be prepared that sets out the practices and procedures, with respect to discharges of contaminants to air, to be adopted in order that compliance with the conditions under resource consent RC13042-15 can be achieved and the effects of the discharge to air are minimised to the greatest extent practicable.
64. The Air Quality Management Plan shall as a minimum address the following matters:
- (a) Sources of dust and other discharges and their potential impacts.
  - (b) Any significant changes/alterations throughout the life of the project that may result in changes to the quantity of dust and other discharges.
  - (c) Techniques and methods which will be used to avoid or eliminate all off site visible discharges to air and the programme for rehabilitation and revegetation of areas of the site in order to minimise dust emissions.
  - (d) Precautionary measures to be undertaken that prevent unauthorised discharges or other adverse effects on air, including a contingency plan that describes how such events will be managed so as to prevent, minimise and redress any adverse impacts on air quality.
  - (e) Details of the proposed air quality monitoring programme for the Snowy River Mine site including:
    - 1. details of the monitoring methodology;
    - 2. location and number of sampling stations;
    - 3. siting sampling stations to avoid erroneous results and vandalism;
    - 4. collection of samples and undertaking analyses;
    - 5. reporting and submitting results to the Consent Authority.
  - (f) Implementation of measures taken to reduce carbon dioxide emissions from the mining activities.
  - (g) Training of operators and contractors to help prevent and control dust emissions.



(h) Procedures to deal with air quality related complaints.

65. Sampling points for deposited particulate addressed in the Air Quality Management Plan shall take into consideration the prevailing wind directions, wind speed and topography.
66. Dust deposition monitoring shall be carried out as set out in ISO/DIS 4222.2 Air Quality – Measurement of Atmospheric Dustfall or equivalent method.
67. The Air Quality Management Plan shall comply with the relevant conditions of these consents and may be amended, as the Consent Holder considers appropriate, during the period of these consents.

### **Annual Work Plan**

68. Before exercising these consents, the Consent Holder shall submit the first Annual Work Plan to the Consent Authority and thereafter submit an Annual Work Plan prior to each anniversary of the date of commencement of the consents. A copy of the Annual Work Plan shall also be provided to the Snowy River Liaison Group.
69. The Annual Work Plan shall include:
  - (a) A description of all the mining operations, mitigation measures, rehabilitation, monitoring and reporting carried out in the previous 12 months.
  - (b) An explanation of any departure in the last 12 months from the previous Annual Work Plan.
  - (c) A detailed description of all mining operations, mitigation measures, rehabilitation, monitoring and reporting intended to be carried out in the next 12 months with an approximate timetable of events.
  - (d) Long-term projections and intentions for mining operations and/or closure and rehabilitation in relation to the future exercise of these consents.
  - (e) An explanation of any intended departure from any previous Annual Work Plan in the next 12 months.
  - (f) A description and analysis of any unexpected adverse effect on the environment that has arisen as a result of the exercise of the consents in the last 12 months and the steps taken to deal with it and the results of those steps.
  - (g) A summary of any complaints received, and the mitigation measures adopted.
  - (h) A full report describing and evaluating the mitigation measures used in the last 12 months.
  - (i) A full report on the rehabilitation undertaken during the exercise of the consents and the results of these measures.

- (j) Plans showing the actual footprints of all works and structures and any proposed changes at the end of the next 12 months. This shall include where appropriate detailed design and/or as built plans relating to the structures (including the waste rock stack) and infrastructure established at the site.
  - (k) Plans showing the actual contours of all works and structures and any proposed changes in contours at 10 metre intervals at the end of the next 12 months.
  - (l) An up to date and detailed calculation of the cost of dealing with any adverse effects on the environment arising or which may arise from the exercise of these consents.
  - (m) An up to date and detailed calculation of the cost of rehabilitation of the site.
  - (n) An up to date and detailed calculation of the costs of the monitoring required by the conditions of these consents and until the consents expires.
  - (o) An up to date mine closure plan describing in detail the steps that would need to be taken if mining operations stopped in the next 12 months, how the Consent Holder proposes to comply with the conditions of these consents on closure and an up to date and detailed calculation of the costs of complying with all conditions of consents if mining were to stop in the next 12 months.
  - (p) Any other information required by any other condition of these consents.
70. The up to date costs of rehabilitation, monitoring and compliance with all conditions of these consents, as required by parts l to p of Condition 69 above shall be independently audited and provided to the Consent Authority with the Annual Work Plan.
71. As part of the Annual Work Plan, the Consent Holder shall include an annual review of the Water and Contaminant Management Plan. The Consent Authority shall be provided with any required update to this plan within 30 working days of its completion. Any amendments shall be:
- (a) Only for the purposes of improving the efficacy of the water and contaminant treatment measures required as part of this consent in order to meet the water quality compliance limits specified in RC-2022-0079-02;
  - (b) Consistent with the conditions of this resource consent.
72. The Consent Authority may at any time commission an additional independent audit of the costs of rehabilitation, monitoring and compliance with all conditions of these consents, as provided by Condition 70 above. The Consent Holder shall meet the costs of any such audit.
73. The Consent Holder shall provide the Consent Authority with any further information, or report, which the Consent Authority may reasonably request after reconsidering any Annual Work Plan. This information or report shall be provided in the time and manner required by the Consent Authority.
74. The Consent Holder shall exercise the consents in accordance with the Annual Work Plan.
75. The Consent Holder may, at any time, submit to the Consent Authority an amended Annual Work Plan provided it complies with all other conditions of the consents. Any amendments shall also be provided to the Snowy River Liaison Group.

## Environmental Monitoring Programme

76. The Consent Holder shall develop an Environmental Monitoring Programme for the purposes of assessing, evaluating and reporting the effects of all discharges associated with its operations, on the water quality and aquatic biota in the Snowy River and tributaries that receive discharges. The Environmental Monitoring Programme shall include, but not be limited to:
- (a) Monitoring and reporting procedures to ensure compliance with discharge permit conditions.
  - (b) A description of the types and sources of discharges leaving the site, their water chemistry and flow modelling of contaminants in Snowy River and tributaries, and groundwater that receive discharges.
  - (c) Clear description of the method(s) and frequency to be used for monitoring, including that undertaken for internal/management purposes. This description shall also include a description of any active post closure monitoring programme to be undertaken to ensure discharge contaminants have stabilised or reached a steady state prior to moving to any post closure stage and passive treatment system.
  - (d) Monitoring the treatment process to assess the efficiency of metal and other contaminants removal within the discharge.
  - (e) A map and if appropriate photos of all sampling sites.
  - (f) Name of laboratory and method of analysis of all samples collected.
  - (g) Operation and maintenance of any automatic sampling or monitoring equipment.
  - (h) Monitoring personnel, qualifications and staff training.
77. All sampling shall be carried out by suitably qualified personnel. Analyses undertaken in respect of any water, sediment, soil or air quality monitoring under any of these consents shall be performed at an International Accreditation New Zealand (IANZ) registered laboratory or in accordance with ISO 9001 accredited procedures or otherwise as specifically approved by the Consent Authority. Compliance with the metal criteria shall be based on analysis of the dissolved metal fraction.
78. Unless otherwise specified in any consent, the monitoring programme shall begin when activities first commence under that consent and shall continue throughout the term of the consent or until the consent is accepted for surrender pursuant to section 138 of the Act.
79. Each monitoring period shall be for the 12-month period ending two months prior to the anniversary of the date of commencement of the consents. The results of all monitoring undertaken shall be reported to the Consent Authority on or before each anniversary of the date of commencement of the consents.
80. The Consent Authority may audit the Consent Holder's monitoring method(s) and/or analyses by obtaining appropriate aliquots of samples taken in accordance with conditions of these

consents on up to four occasions per year. The Consent Holder shall provide the Consent Authority with the monitoring results of samples collected at the time of the Consent Authority's audit when they become available. The costs of any audits are to be met by the Consent Holder.

81. The Environmental Monitoring Programme shall be consistent with all conditions of these consents and the Consent Holder shall undertake all sampling, monitoring and reporting in accordance with the Programme.
82. The Environmental Monitoring Programme shall be submitted to the Consent Authority prior to the commencement of any activities under these consents.
83. The monitoring parameters, site locations and frequency of sampling outlined in the Environmental Monitoring Programme and any other alterations shall be reviewed as part of the Annual Work Plan for the consents to which this monitoring relates.

### **Environmental Monitoring Report**

84. The Consent Holder shall prepare and submit an Environmental Monitoring Report to the Consent Authority on or before each anniversary of the date of commencement of the consent. As noted in General Condition 78 above (Environmental Monitoring Programme), the monitoring period to be included in each report shall be for the 12-month period ending two months prior to the anniversary of the date of commencement of the consents. A copy of this report shall also be provided to the Snowy River Liaison Group as part of the Annual Work Plan.
85. As a minimum the Environmental Monitoring Report shall:
  - (a) Summarise all the data collected as required under the conditions of these consents (including graphical presentation and statistical summations of monitoring data) and critically analyse the information in terms of compliance and environmental effects.
  - (b) Highlight and discuss any important environmental trends.
  - (c) Compare results obtained over the reporting period with the results obtained from previous reporting periods.
  - (d) Report and discuss any operational difficulties, changes or improvements at Mine Site or other processes, which would result in a notable variation of water quality or volume discharged.
  - (e) Report and discuss any difficulties in compliance with, and breaches of, the conditions of the consent and the measures adopted to rectify problems.
  - (f) List any maintenance works needed, proposed or undertaken to ensure compliance with the conditions of the consent or to facilitate operations.
  - (g) Make recommendations on alterations or additions to the environmental monitoring programme.
  - (h) Report and discuss any complaints received regarding the discharges into Snowy River and any tributaries and any action taken by the Consent Holder to address the complaint.

## **Lapsing of Consents**

86. Pursuant to Section 125(1) of the Act the resource consents shall lapse on the expiry of ten years after the date of issue of the consents unless the consents are given effect to before the end of that period or upon an application under Section 125 (1A)(b) of the Act, the Consent Authority grant a longer period of time.

## **Review of Conditions**

87. Pursuant to Section 128(1) of the Act, the Consent Authority may review any of the conditions of these consents by serving notice within a period of six months commencing on each anniversary of the date of issue of these consents for any of the following purposes:
- i. To deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage.
  - ii. To require the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
  - iii. To deal with inaccuracies contained in the consent application that materially influenced the decision made on the application and are such that it is necessary to apply more appropriate conditions.
  - iv. To assess the appropriateness of imposed compliance standards, monitoring parameters, monitoring regimes and monitoring frequencies and to alter these accordingly.

## **CONDITIONS SPECIFIC TO RC-2022-0079-01 – Air Discharge**

### **Compliance Limits**

88. Notwithstanding any other conditions of these consents, the Consent Holder shall operate all mining and associated processes/operations in such a manner so as to ensure that emission of dust is kept to a practicable minimum, and in any case, does not result in greater than 4 grams per square metre per 30 day period of deposited particulate (as measured by deposition gauges) beyond the boundary of the Snowy River mine site.
89. As part of the operation of the processing plant, the Consent Holder shall ensure that the following measures are undertaken in order to minimise the amount of contaminants discharge to air:
- i. The ore crusher is fitted with a high pressure low volume misting system;
  - ii. The height and slopes of any temporary material stockpiles is limited;
  - iii. Conveyors are covered or drop heights minimised;
  - iv. Hopper inlets and outlets are covered and/or filtered;
  - v. HCN gas sensors are fitted on critical stages of ore processing and HCN destruction;
  - vi. That filters are placed on the electrowinning and smelting processes.
90. Combustion gases will be discharged from the processing plant stacks which are to be at least 1.5m times the height of any structures within a 50m radius of each respective burner. The Consent Holder shall also ensure that regular burner combustion efficiency testing and tuning is undertaken as per recommended specifications, and that annual stack testing is undertaken

in order to quantify the amount of contaminants within the discharges arising from electrowinning and smelting processes onsite.

91. With respect to the construction and operation of the tailings storage facility within the waste rock stack, the Consent Holder shall ensure that the following measures are undertaken:
- (a) Tails placed and compacted in 0.5 – 1.0m layers and upper to 4.5m high lifts;
  - (b) Limiting the total area of uncapped cell area to 0.25ha at any one time;
  - (c) Mobile water truck systems are employed or other systems to minimise fugitive dust;
  - (d) Shielding from wind by bunds, containers or other wind barriers as required;
  - (e) Interim and final capping of the cell is undertaken.

### **CONDITIONS SPECIFIC TO RC-2022-0079-02 – Discharge to Land from Waste Rock Stack**

92. This consent authorises discharges and contaminants arising from:
- (a) The processing of ore material at the site, consisting of quartz, greywacke, agrellite and sulphides;
  - (b) The tailings material from the processing plant which is to be dewatered and filtered (dry filtered) and taken to the waste rock stack for placement in the tailings storage facility (cell), which is to be purpose built as a designated cell facility or combined with cement to form a paste and disposed of underground.
  - (c) Low PAG waste intercepted during mine development and disposed of in the waste rock stack.
93. The waste rock stack and tailings storage facility shall be constructed in general accordance with the design document contained in the report prepared by PDP Limited "Snowy River Gold Project – Waste Rock Design Report, April 2022", attached as Appendix E to the consent application, which includes design requirements relating to the following:
- i. Foundation layers of the waste rock stack;
  - ii. A compacted clay liner;
  - iii. A drainage system;
  - iv. Low permeability wall;
  - v. Cell under drainage specifications.
  - vi. Cell base and bunds'
  - vii. Surface and stormwater management around the waste rock stack;
  - viii. Co-disposal of non-acid generating rock and potentially acid generating rock.
94. The waste rock stack and tailings storage facility shall be fully lined with clay and silt material and designed to be at least 600mm thick with permeability not more than  $k+1 \times 10^{-8}/s$  to prevent any seepage of leachate from the base of the tailings storage facility (cell) and from the waste rock stack entering groundwater.
95. An underdrainage system shall be installed and maintained beneath the tailings storage facility to collect seepage of contaminated water and leachate and to direct this to the water and contaminant treatment plant. The main underdrains shall be constructed as a combined rock drain / perforated HDPE pipe to collect and divert water to the water and contaminant treatment plant.

96. On completion of the liner, underdrainage system, and surface water drainage system construction works and prior to the commissioning of any subsequent stages, the Consent Holder shall supply written confirmation from a chartered engineer, to the Consent Authority that the liner, underdrainage system, and surface water drainage system works have been constructed in accordance with the design referred to in Conditions 93, 94 and 95.
97. The material placed on the outside of the tailings storage facility shall comprise of inert unmineralized greywacke (non acid forming (NAF) material) to form a structural fill that will provide a buttress to the cell and provide a zone not less than 10m wide to limit the geochemical activity of the waste rock.
98. A chartered engineer experienced in the construction of waste rock stacks and tailings storage facilities shall supervise the construction of the dry stacked tailings facility.
99. The chartered engineer shall confirm in writing to the Consent Authority on completion of construction of the waste rock stack and the tailings storage facility in its entirety that it has been undertaken in accordance with accepted civil engineering practices and plans provided with the Construction and Operational Management Plan, in accordance with Condition 14 of the First Schedule.
100. The combined total volume of material within the waste rock stack and tailing storage facility shall not exceed approximately 1.4 million m<sup>3</sup>.
101. A monitoring and surveillance programme for the waste rock stack and the tailings storage facility shall be undertaken annually. The monitoring and surveillance programme shall be undertaken in accordance with Principle 8 of the NZSOLD Dam Safety Guidelines (relevant edition, with appropriate modifications made for the nature of the waste rock stack).

### **Groundwater Monitoring**

102. The Consent Holder shall install at least three groundwater monitoring bores downstream of the waste rock stack and the tailings storage facility location at the sites shown on Map A. Water levels and water quality samples shall be taken to determine the background representative water level and quality for shallow and deeper groundwater around the perimeter of the waste rock stack near the Snowy River.
103. Prior to placing tailings material derived from the processing plant within the waste rock stack, the Consent Holder shall provide the Consent Authority with 12 months' baseline monitoring data sufficient to characterise the background groundwater regime below the waste rock stack.
104. The Consent Holder shall set trigger levels for pH, conductivity and water levels for down gradient bores based on the trends observed in the monitoring data at levels which will provide early warning indicators of potential changes of groundwater quality as a result of the activities authorised by this consent.
105. At any time, following completion of baseline monitoring, if monitoring results within the monitoring bores differ from the relevant trigger level for that well over two consecutive readings, then the Consent Holder shall:
  - a. Characterise and assess the source of the change; and

- b. Take all necessary measures to ensure that there are no adverse effects on groundwater users or receiving surface water as a result of the change.

The trend and actions taken shall be detailed in the annual report to the Consent Authority as required by Condition 106.

106. During the construction and operation of the waste rock stack and the tailings storage facility, the Consent Holder shall on an annual basis provide to the Consent Authority the groundwater monitoring results undertaken in accordance with conditions 104 and 105. The report shall include at least the following information:
- a. The data from monitoring undertaken during the previous year.
  - b. Identification of any environmentally important trends associated with the groundwater monitoring.
  - c. Interpretation and analysis of any change in groundwater chemistry over the previous year and predictions of any future changes in groundwater or surface water and identify what contingency actions, if any, it proposes to take in response to these predictions.
  - d. Any contingency actions that may have been taken during the year.
  - e. Any works that have been undertaken to improve environmental performance or that are proposed to be undertaken in the forthcoming year to improve environmental performance in relation to activities undertaken in accordance with this consent.

The report shall be forwarded in a format acceptable to the Consent Authority. The Consent Holder may comply with these conditions by incorporating the monitoring results into an overarching monitoring report which covers the Consent Holder's onsite operational and management requirements.

### **Surface Water Compliance and Monitoring**

107. The Consent Holder shall undertake continuous monitoring of the following flows:
- (a) The flow in the Snowy River (at or about NZ Topo50 BT21 993176).
  - (b) The flow (discharge) from the treatment system at the Snowy Road site to the Snowy River (at or about NZ Topo50 BT21 996175).
108. In addition to Condition 107, the Consent Holder shall undertake sampling of:
- (a) The discharge from the treatment pond at the Snowy Road site ("**Snowy Road Site Wetland Treatment Pond Discharge**"),
  - (b) The sediment in the treatment pond ("**Wetland Treatment Pond Sediment**"),
  - (c) The sediment in the bed of the Snowy River downstream of the mining operation ("**Snowy River Bed Sediment**"),
  - (d) The water quality in the Snowy River downstream of the mining operation ("**Snowy River Receiving Waters**"),
  - (e) The water quality in the Little Grey River downstream of the mining operation ("**Little Grey River Receiving Waters**"),
  - (f) The aquatic biology in the Little Grey River ("**Aquatic Biology**").



Where practicable:

- a. Weekly samples shall be collected on a different day in the week in any seven-week period.
- b. Monthly samples shall be collected on a different day in the week in any seven-month period.
- c. Quarterly samples shall be collected on a different day in the week in any twelve-month period.

109. The sampling required by Condition 108 shall be undertaken at the locations specified in Table 1, marked by red dots on the attached topographic map titled "**RC13042, Water Quality Sampling Locations**".

<b>Table 1: Sampling Locations</b>		
<b>Sampling Programme</b>	<b>Sampling Location</b>	<b>Map references</b>
Snowy Road Site Wetland Treatment Pond Discharge	<ul style="list-style-type: none"> <li>• If there is a discharge from the wetland treatment pond to the Snowy River, immediately prior to the discharge entering Snowy River,</li> <li>• If there is no discharge from the wetland treatment pond to the Snowy River, within the wetland treatment pond.</li> </ul>	The wetland treatment pond will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Wetland Treatment Pond Sediment	<ul style="list-style-type: none"> <li>• Within the wetland treatment pond</li> </ul>	The wetland treatment pond will be located within sections 9 and 10 Block XVI Mawheraiti Survey District Nelson Land District, NL10A/347 at or about NZ Topo50 BT21 996175.
Snowy River Bed Sediment	<ul style="list-style-type: none"> <li>• Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Snowy River Receiving Waters	<ul style="list-style-type: none"> <li>• Sampling sites S2, S3 and S4</li> </ul>	S2: NZ Topo50 BT21 016160 S3: NZ Topo50 BT21 997167 S4: NZ Topo50 BT21 993176
Little Grey River Receiving Waters	<ul style="list-style-type: none"> <li>• Sampling sites S6, S7 and S8</li> </ul>	S6: NZ Topo50 BT21 938214 S7: NZ Topo50 BT21 913212 S8: NZ Topo50 BT21 914209
Aquatic Biology	<ul style="list-style-type: none"> <li>• Sampling sites BG, S1, S2, S3, S4 and S5</li> </ul>	BG: NZ Topo50 BT21 034160 S1: NZ Topo50 BT21 030159

110. The collection, analysis and preservation of all samples collected in accordance with Condition 124 shall be undertaken using Standard Methods for the Examination of Water and Wastewater (18th Edition 1992), APHA, AWWA and WEF, or equivalent or superseding methods.

Monitoring of the Snowy Road Site Pond Discharge & Wetland Treatment Pond Sediment

111. The sampling of the Snowy Road Site Wetland Treatment Pond Discharge and Wetland Treatment Pond Sediment, as required by Condition 108a and 108b, shall be undertaken for the parameters and at the frequencies specified in Table 2.

<b>Table 2: Snowy Road Site Wetland Treatment Pond Discharge &amp; Wetland Treatment Pond Sediment</b>		
<b>Sampling Parameters &amp; Frequencies</b>		
<b>Parameter</b>	<b>Snowy Road Site Wetland Treatment Pond Discharge</b>	<b>Wetland Treatment Pond Sediment</b>
pH	Daily	-
Conductivity	Daily	-
Turbidity	Daily	-
Total Suspended Solids	Daily	-
Cyanide <small>(WAD)</small>	Daily	-
Total Hardness	Daily	-
Major Cations • Calcium • Magnesium • Potassium • Sodium	Quarterly	-
Major Anions • Bicarbonate • Carbonate • Chloride • Sulphate	Quarterly	-
Dissolved Aluminium	Weekly	Quarterly
Dissolved Arsenic	Weekly	Quarterly

Total Arsenic	Weekly	Quarterly
Dissolved Copper	Weekly	Quarterly
Dissolved Antimony	Weekly	Quarterly
Dissolved Cadmium	Weekly	Quarterly
Dissolved Cobalt	Weekly	Quarterly
Dissolved Iron	Weekly	Quarterly
Total Iron	Weekly	Quarterly
Dissolved Zinc	Weekly	Quarterly
Dissolved Lead	Six monthly	Six monthly
Dissolved Nickel	Six monthly	Six monthly
Dissolved Selenium	Weekly	Quarterly
Dissolved Manganese	Weekly	Quarterly
Nitrate N	Weekly	Quarterly
Ammoniacal – N	Weekly	Quarterly
Chlorophyll-a (mg chl-a/m2)	Quarterly	

Monitoring of Snowy River Bed Sediment

112. The sampling of sediment in the bed of the Snowy River, as required by Conditions 108c, shall be undertaken for the parameters and at the frequencies specified in Table 3.

<b>Table 3: Snowy River Bed Sediment Sampling Parameters &amp; Frequencies</b>	
<b>Parameter</b>	<b>Frequencies</b>
Arsenic	Quarterly

Aluminium	Quarterly
Copper	Quarterly
Antimony	Quarterly
Cadmium	Quarterly
Iron	Quarterly
Zinc	Quarterly
Lead	Six monthly
Nickel	Six monthly

Snowy River & Little Grey River Water Quality Monitoring

113. The sampling of water quality in the Snowy River and Little Grey River, as required by Conditions 108d and 108e, shall be undertaken for the parameters and at the frequencies specified in Table 4.

<b>Table 4: Snowy River &amp; Little Grey River Water Quality</b>		
<b>Sampling Parameters &amp; Frequencies</b>		
<b>Parameter</b>	<b>Sampling Sites &amp; Frequencies</b>	
	<b>S2, S3, S4</b> (Snowy River sampling sites)	<b>S6, S7, S8</b> (Little Grey River sampling sites)
pH	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Conductivity	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Turbidity	Continuous (Sites S3 and S4)	-
	Weekly (Site S2)	Weekly for the first 12 months of monitoring, monthly thereafter
Total Suspended Solids	Weekly	Weekly for the first 12 months of monitoring, monthly thereafter
Sulphate	Weekly	
Cyanide <sup>(WAD)</sup>	Monthly	-
Total Hardness	Monthly	-

Major Cations <ul style="list-style-type: none"> <li>• Calcium</li> <li>• Magnesium</li> <li>• Potassium</li> <li>• Sodium</li> </ul>	Weekly	Monthly
Major Anions <ul style="list-style-type: none"> <li>• Bicarbonate</li> <li>• Carbonate</li> <li>• Chloride</li> <li>• Sulphate</li> </ul>	Monthly	Monthly
Dissolved Aluminium	Weekly	
Dissolved Arsenic	Weekly	-
Total Arsenic	Weekly	
Dissolved Cobalt	Weekly	
Dissolved Copper	Weekly	-
Dissolved Antimony	Weekly	-
Dissolved Cadmium	Weekly	-
Dissolved Iron	Weekly	-
Total Iron	Monthly	
Dissolved Zinc	Monthly	-
Dissolved Selenium	Monthly	
Dissolved Manganese	Monthly	
Nitrate N	Monthly	
Ammoniacal – N	Monthly	

Chlorophyll-a (mg chl-a/m <sup>2</sup> )	Quarterly	
Dissolved Lead	Six monthly	-
Dissolved Nickel	Six monthly	-

#### Aquatic Biology Monitoring

114. The sampling of aquatic biology in the Snowy River, as required by Condition 108f shall be:

- (a) Designed and undertaken by a suitably qualified and experienced freshwater biologist
- (b) Undertaken in accordance with the schedule specified in Table 5.

<b>Table 5: Aquatic Biology</b>		
<b>Parameters, Types of Analysis &amp; Frequencies</b>		
<b>Parameter</b>	<b>Type of Analysis</b>	<b>Frequency</b>
Benthic Macro-invertebrates	Taxonomic composition and abundances including MCI, numbers of E, P, and T, and species richness. <sup>1</sup>	Quarterly, the periods shall be: <ul style="list-style-type: none"> <li>• December to February;</li> <li>• March to May;</li> <li>• June to August;</li> <li>• September to November (inclusive).</li> </ul>
Benthic Algae	Assessment of the thickness and percentage cover of dominant species of benthic algae. <sup>2</sup>	
Fish	Taxonomic composition and abundances. <sup>3</sup>	Annually, during the period December to February.

#### **Notes to Table 5:**

- 1 MCI = Macro-invertebrate Community Index
  - E = Ephemeroptera (mayflies)
  - P = Plecoptera (stoneflies)
  - T = Tricoptera (caddisflies)
- 2 Monitoring of algae shall include photographs of the river bed where appropriate.
- 3 Qualitative survey only at sites S4 and S5.

#### **Compliance Limits**

115. There shall be no discharge into Snowy River that may cause or result in any of the following effects downstream of monitoring site S4:

- (a) Conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
- (b) Any conspicuous change in the colour or visual clarity;
- (c) Any emission of objectionable odour;
- (d) The rendering of fresh water unsuitable for consumption by farm animals;
- (e) Any significant adverse effects on aquatic life;
- (f) Undesirable biological growths.

116. In addition to Condition 115 there shall be no discharge into the Snowy River that results in any conspicuous change in either the colour or visual clarity of the Little Grey River that monitoring under Condition 115 indicates is attributable to the discharge authorised by this consent.

117. The discharge to the Snowy River shall not result in the exceedance of the compliance limits specified in Table 6, as recorded by the difference between the water quality at the following sites:

- i. Monitoring site S2;
- ii. Monitoring site S4.

<b>Table 6: Compliance Monitoring Limits</b>				
<b>Parameter</b>	<b>Compliance Limits (All units g/m<sup>3</sup>, except pH)</b>			<b>Hardness-dependent criteria</b>
	<b>Median</b>	<b>90<sup>th</sup> Percentile</b>	<b>Maximum</b>	<b>(i)</b>
pH	--	--	6.0-9.0* (min. – max. range)	--
Total Suspended Solids	6	--	25	--
Dissolved Aluminium	0.4		1	
Dissolved Antimony	--	0.01	1.6	--
Dissolved Arsenic	0.1	0.15	0.34	--
Dissolved Cadmium	--	--	0.0009	--
Dissolved Copper	--	--	$\exp(1.038\ln(\text{hardness}) - 8.043)/2.6$	0.015
Cyanide (WAD)	--	--	0.1	--
Iron (total)	--	--	5.0	--

Dissolved Zinc	--	--	$\exp(0.9371\ln(\text{hardness}) - 4.801)/8.7$	0.071
<u>Sulphate</u>			<u>500</u>	
<u>Ammoniacal nitrogen (mg/L)</u>	<u>≤0.24</u>		<u>≤0.40</u>	
<u>Nitrate nitrogen (mg/L)</u>	<u>≤2.4</u>	<u>≤3.5</u>		
Chlorophyll-a (mg chl-a/m <sup>2</sup> )	>50 - <u>≤12</u> <u>t.0</u>			

\* On any given day there shall be no change in pH between sites S2 and S4 of ±1 pH unit

118. Prior to the expiry of these consents or prior to the consents being accepted for surrender, all water discharging to the Snowy River or its tributaries shall meet the water quality standards for Class AE Water (aquatic ecosystem purposes), as described in the Third Schedule - Water Quality Classes of the Resource Management Act 1991 and the limits outlined in Table 6. The more restrictive water quality limit will apply where the limits do not align. This shall be demonstrated via the TARP prepared in accordance with the Water and Contaminant Management Plan.

### **Rehabilitation and Closure Requirements**

119. The Consent Holder shall ensure that the progressive rehabilitation of completed areas of the waste rock stack and tailings storage facility is undertaken by capping and covering of material, in the following way:

- (a) Compacted Waste Rock - Dozer compacted surface of the waste rock approximately 0.5 m thick.
- (b) Drainage / Capillary Break Layer – Place rocky rubble zone approximately 1 m thick.
- (c) Filter layer – Graded zone, using gravels and sandy gravels becoming progressively finer to retain fines and prevent clogging of the rubble zone.
- (d) Compacted Seal – Clay or alluvium, placed in layers and compacted, approximately 0.5 m thick.
- (e) Plant Growth Layer – Organic rich clay, alluvium approximately 0.3 m thick, with loosely placed slash / mulch.

120. Once closure and rehabilitation activities on the site have commenced, the site shall remain within an active closure phase meaning that all active water management and treatment facilities remain on site to treat discharges from the site. This phase shall continue until such time as the waste rock stack is fully capped and vegetated to at least 80% coverage and is self-sustaining, and the contaminants within the discharge from the waste rock stack have stabilised.

121. During the active closure phase, the Consent Holder shall provide to the consent authority, a three monthly update, which describes:



- i. A description of the closure and rehabilitation works scheduled for the next three month period and a summary of the work already undertaken onsite; and
  - ii. A description of any infrastructure to be decommissioned in the upcoming three month period.
  - iii. The monitoring undertaken showing contaminant levels within the discharge from the Waste Rock Stack and active treatment plant, and how it complies with the water quality limits set out in Condition 117.
122. During the active closure phase, and prior to any deactivation and removal of any active water treatment systems on the site, the consent holder shall provide to the Consent Authority monitoring data to demonstrate that contaminant loads from the discharge have stabilised and any discharge from the site is able to continuously comply with the water quality limits set out in Condition 117 without active treatment.
123. The consent holder shall provide at least 20 working days notice of the site prior to moving the discharge to any passive treatment system installed as part of the Closure and Rehabilitation activities for the site.
124. Following the completion of the mining activity and the completed construction of the waste rock stack and tailings storage facility, the Consent Holder shall undertake regular monitoring of landform stability of the waste rock stack. This monitoring shall be undertaken by a Chartered Engineer every three months for at least one year post completion of the waste rock stack construction. The monitoring shall include, but not be limited to inspecting the landform for any signs of slumping, cracking, settlement, erosion, subsidence, or slope failures, seepage and areas of water ponding within the landform. If any such areas are identified, remedial actions to address landform instability shall commence within 10 working days.
125. Following the quarterly monitoring undertaken in accordance with Condition 121 following the complete construction of the waste rock stack, the Consent Holder shall provide a report from a Chartered Engineer to the Consent Authority, that:
  - (a) Summarises the results of the monitoring undertaken during the preceding 12 month period;
  - (b) Describes the causes for any landform instability (if this has occurred) and the remedial actions that have been undertaken;
  - (c) Provides confirmation that the long-term stability risks associated with the landform remaining on the site are low and therefore acceptable.
126. Vegetative cover on rehabilitated areas shall also be recorded as part of the quarterly inspections undertaken in accordance with Condition 121.
127. For a period of five years post the annual monitoring undertaken in accordance with Condition 123, the Consent Holder shall engage a Chartered Engineer to undertake a site inspection and assessment of the waste rock stack components after an event of an earthquake where the event scale measurement is within 10% of the design safety factor for the structure, or a rainfall event that generates more than 100mm of rainfall in 24 hours or more than 21mm of rainfall in 1 hour (measured at the Reefton Climate Station). The site inspection shall be undertaken within 10 working days of the event occurring and inspect the landform for any signs of slumping, cracking, settlement, erosion, subsidence or slope failures, seepage, or areas of water ponding. A copy of this inspection report will be provided to Te Rūanga o Ngāti Waewae.

128. In the event that any slope failures, instability or erosion that results in the disturbance of the landform is recorded in accordance with Condition 127, the Consent Holder shall notify the Consent Authority within 5 working days. The notification shall include, but not be limited, to the following provision of information:

- a) The location of the failure;
- b) Identification of the cause of the failure;
- c) Measures taken (or that will be undertaken) to address the failure and to prevent recurrence and re-stabilise the landform;
- iv. Assessment of any environmental effects arising from the failure; and
- v. Any actions take (or that will be undertaken) to address any resulting environmental effects.

### **SPECIFIC CONDITIONS APPLYING TO RC-2022-0079-03 Discharge of Contaminants Underground**

129. The discharge of contaminants within the underground mine shall be limited to processing plant waste tailings consisting of high sulphide leach tails and float tails filter feed from the ore processing plant, mixed with a binder (cement).

130. The Consent Holder shall return approximately 50% of the process plant waste tailings material back to the underground mine as paste fill material.

131. The plant paste material shall be mixed with a suitable paste binder (i.e. cement) to bind sulphide bearing minerals to limit oxygen and water ingress into the underground mine.

132. There shall be no contamination of surface or groundwater in the Snowy River Catchment as a result of the exercise of this consent.

### **DEFINITIONS**

"Snowy River Mine Site" and "Snowy Road Site" for the purpose of these consents refers to the activities undertaken by Oceana Gold (New Zealand) Ltd, and/or Federation Mining and includes the Snowy Portal site.

"Consent Authority" means the West Coast Regional Council

"the Act" means the Resource Management Act 1991

"Hazardous Substance" means any substance –

- (a) With one or more of the following intrinsic properties:
  - (i) Explosiveness:
  - (ii) Flammability:
  - (iii) A capacity to oxidise:
  - (iv) Corrosiveness:

- (v) Toxicity (including chronic toxicity):
- (vi) Ecotoxicity, with or without bioaccumulation; or
- (b) Which on contact with air or water (other than air or water where the temperature or pressure has been artificially increased or decreased) generates a substance with any one or more of the properties specified in paragraph (a) of this definition.

"Contaminant" includes any substance (including gas, odorous compounds, liquids, solids, and micro-organisms) or energy (excluding noise) or heat, that either by itself or in combination with the same, similar, or other substances, energy, or heat—

- (a) When discharged into water, changes or is likely to change the physical, chemical, or biological condition of water; or
- (b) When discharged onto or into land or into air, changes or is likely to change the physical, chemical, or biological condition of the land or air onto or into which it is discharged.

"Tailings Storage Facility" means a tailings facility (cell) within the waste rock stack that has been purpose built to incorporate the co-disposal of dry stack tailings derived from the processing plant with the waste rock stack onsite. Within the waste rock stack the cell facility is comprised of three zones, the underdrain, the co-disposal areas and the dry tailings.

"Water and Contaminant Treatment" means components necessary to minimise the adverse effects on the environment with practical management of the water that may be impacted because of the Snowy River Mine Project. The key components of the water and contaminant treatment system to be employed on site include:

- Segregation of the mine water domains;
- Targeted treatment of the mine water domains including the use of both active and passive water and contaminant treatment facilities onsite;
- Minimize water consumption onsite;
- Discharge the treated mine water indirectly to the Snowy River;
- Provide flexibility in the mine water infrastructure to adapt to changes in mine scheduling and knowledge of the mine water discharges.

"Wetland Treatment" means an area of land approximately 1.3 hectares which shall be designed to polish the discharge prior to it entering the Snowy River via seepage. It shall be planted with suitable wetland type species and designed to remove suspended solids and nitrogen compounds within the discharge. The treatment wetland is constructed for the purpose of treating contaminants and therefore is not captured by the definition of a natural wetland under 3.21 of the National Policy Statement for Freshwater Management 2020.

"Active water treatment" means the use of an onsite water and contaminant treatment plant.

"Passive water treatment" means the use of an onsite land based system to retain and treat certain contaminants.

"Operation" or "operational phase" means the construction and development of the decline and associated underground mining activities, ore winning and construction, use and maintenance of the waste rock stack. It includes the processing of ore material at site and the construction and use of any active and passive water treatment and associated infrastructure.

“Active closure” phase means the site rehabilitation activities once mining operations have ceased onsite. All active water management and treatment infrastructure remains onsite. This phase continues until the waste rock stack is fully capped, and vegetative cover reaches greater than 80% within the site (excluding roads and areas of land to be used for ongoing water management infrastructure) and is self-sustaining.

“Post closure” phase beings once infrastructure is in place to allow all active water and contaminant treatment systems to be removed from the site and the site is fully compliant with the water quality limits in RC13042-12.

“Trigger Action Response Plan” (TARP) is a management tool to assist in the management of operations. A TARP defines the minimum set of actions required by workers in response to a deviation from normal working conditions.

## TERM

These consents shall expire 20 years from the date of commencement of these consents.

## NOTE TO THE CONSENTS

The Consent Holder is advised that the consents do not confer a right of access and the Consent Holder should be aware the permission of the legal owner or administering body of the land may also be required.

## REASON FOR DECISION PURSUANT TO SECTION 113, RESOURCE MANAGEMENT ACT 1991

In making this decision to grant the resource consent the purpose and principles of the Resource Management Act 1991 as set out in Part II of the Act have been followed along with consideration of Sections 104 and 105, which requires an assessment of the effects of the proposed activity.

The activities are either consistent with, or not contrary to, the relevant objectives and policies of the relevant Regional Plans (see Table 1).

The areas authorised for the activities authorised under these consents are outside of any of those areas identified as Schedule 1 or 2 wetlands within the RLWP. No other natural wetlands in accordance with the NES Freshwater have been identified on site.

It is considered that the discharges are unlikely to cause any of the effects which are restricted by Section 107(1)(c) to (g) of the Act.

Table 1: Relevant Planning provisions from the relevant planning documents

Plan/Policy Statement	Status	Objectives/Policies	Rules
Regional Policy Statement			
Issues of Significance to Poutini Ngai Tahu		O3.1, 3.2; P3.1, 3.2, 3.3, 3.4	
Resilient & Sustainable Communities		O4.1, 4.5; P4.1, 4.6	
Use & Development of Resources		O5.1, 5.2; P5.1, 5.2	
Ecosystems & Indigenous Biological Diversity		O7.2, 7.3, 7.4; P7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8	
Natural Character		O7A.1, 7A.2; P7A.2, 7A.3, 7A.4	
Land & Water		O8.1, 8.2, 8.5; P8.1, 8.2, 8.3, 8.8	
Air Quality		O10.1, 10.2; P10.1, 10.2	
Regional Land and Water Plan			

The discharge of waste rock material to land and where it may enter water associated with gold mining	D	O15.2.1; P15.3.1, 15.3.2	91
To discharge tailings waste material underground associated with gold mining	D	O15.2.1; P15.3.1, 15.3.2	91
Regional Air Quality Plan			
To discharge contaminants to air associated with mineral processing and disposal of waste	D	O7.3.1, 8.3.1; P7.4.1, 7.4.2, 7.4.3, 7.4.4, 8.4.1, 8.4.2	16

## **OBJECTION TO THE CONSENT AUTHORITY**

You are advised that you have a right of objection to the Consent Authority in respect of this decision, pursuant to section 357A of the Resource Management Act 1991. Any objection is to be in writing and must set out the reasons for the objection. Any objection must be made within 15 working days of receipt of this decision. The Consent Authority will then consider the objection and give its decision in writing. Any person who made an objection may appeal to the Environment Court against the Consent Authority's decision on the objection, pursuant to section 358.

Alternately, pursuant to section 120 of the Resource Management Act 1991 you have the right of appeal directly to the Environment Court against the whole or any part of this decision. Notice of appeal shall be in the prescribed form and must be lodged with the Environment Court and served on the Council within 15 working days of receipt of the Council's decision.

## **COSTS**

The fee paid upon lodgement of the consent application was sufficient to cover the costs of processing these consents. No further invoice will follow.

The final consent document will be issued if no objection/appeal has been received after the 15 work day objection period has passed. Alternatively, the Council will issue a final document if you advise the Council in writing that you will not be lodging any objection/appeal.

If you have any queries regarding this matter, please contact the Council.




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Heather Mabin  
**Chief Executive Officer**

Appendix D

Decision 240011

17 May 2024

Federation Mining  
c/ Katherine Lyttle  
Mitchell Daysh Limited  
Po Box 489  
Dunedin 9054

By email: [katherine.lyttle@mitchelldaysh.co.nz](mailto:katherine.lyttle@mitchelldaysh.co.nz)

Dear Katherine

### **APPLICATION FOR RESOURCE CONSENT RC240011**

The Buller District Council's decision on the abovementioned resource consent is enclosed.

If you are happy with the decision made by Council, the consent may be acted upon subject to any conditions included in the decision. Council staff will monitor the site to check that conditions have been complied with.

If not acted upon, the consent will lapse after five years from the date of the decision, unless otherwise specified in this decision or unless extended upon application to Council. Please refer to section 125 of the Resource Management Act 1991 (RMA) for further details.

If you do not agree with the whole or any part of the decision, you may appeal the whole or any part of the decision to the Environment Court. An appeal may be lodged with the Environment Court within 15 working days of the date of this notification. The address of the Environment Court is PO Box 2069, Christchurch 8140. A copy of any appeal should also be sent to the Buller District Council, PO Box 21, Westport 7866.

Please refer to sections 120-121 of the RMA and also the Resource Management (Forms, Fees and Procedure) Regulations 2003 for further details on appealing resource consent decisions.

If you are in doubt about your rights to appeal, or require an extension of time, you should discuss this with your solicitor/agent.

If you have any further queries please do not hesitate to contact the duty planner on [planning@bdc.govt.nz](mailto:planning@bdc.govt.nz).

Yours faithfully



**Gina Hogarth**  
**ACTING TEAM LEADER - PLANNING**

## RESOURCE CONSENT DECISION – RC240011

Pursuant to Sections 104, 104B, and 108 of the Resource Management Act 1991, Buller District Council **GRANTS** the application by Federation Mining Limited **subject to the Conditions below.**

### **The Approved Activity:**

Land use consent to construct, operate and maintain a temporary laydown and truck storage facility within the Rural Zone associated with construction of a processing plant at the Snowy River Mine.

The application triggers consent under Rule 5.3.2.3.1 of the operative Buller District Plan relating to discretionary activities within the Rural Zone and Rule NC-R3<sup>1</sup> of the proposed Te Tai o Poutini Plan relating to earthworks within riparian margins of a river.

### **Location:**

Address: Snowy River Mine, Snowy River Road, Ikamatua  
Legal Description: Sections 9-10 Block XVI Mawheraiti Survey District  
Record of Title: NL10A/347  
Valuation Roll Number: 1900020200

### **Approved Plans:**

The aerial site plan labelled: “*Figure 1: Plan showing the approximate location of the Snowy River Mine Laydown and Truck Storage Area*”.

**Please note that the plan which is approved is stamped Approved Plan and attached to this consent.**

### **CONDITIONS:**

Pursuant to Section 108 of the Resource Management Act 1991 this consent is granted subject to the following conditions:

#### **General & Administration**

1. The activity must proceed in general accordance with the submitted application and associated Assessment of Environmental Effects received by Council and the relevant Plan as detailed above and stamped as approved, except where the following conditions take precedence.
2. The Consent Holder must supply any agent or contractor working under this consent with a copy of the consent to ensure compliance with these conditions.
3. All actual and reasonable costs incurred by this Council in monitoring, enforcement and administration of this consent must be met by the Consent Holder.

#### **Noise**

4. All activities must comply with the following noise limits within the notional boundary of any dwelling existing at the date consent is granted:
  - 8am-11pm Monday to Friday and Saturday 8am to 6pm - 55dBA L<sub>10</sub>
  - At all other times including any public holiday - 45dBA L<sub>10</sub> 75dBA L<sub>max</sub>



Noise levels must be measured and assessed in accordance with New Zealand Standards NZS6801:2008 “Acoustics – measurement of Environmental Sound” and NZS 6802:2008 “Acoustics – Environmental Noise”.

### **Hardstand fill**

5. The hardstand must be constructed from natural materials such as clay, soil or rock and any mine waste fill must be inert.

### **Accidental Protocols**

6. If any archaeological or potential sites of historic value are discovered during construction of the laydown, the Consent Holder must adhere to the existing protocols established for Snowy River Mine.

*Advice Note: Condition 88 of RC130025B requires an Accidental Discovery Protocol is in place for Snowy River Mine site.*

### **Rehabilitation**

7. Within 12 months of the laydown ceasing to operate, the site must be rehabilitated back to the original land use of pastoral grazing. This involves removal of fill material back to the mine site, spreading of stripped topsoil and establishment of pasture.

### **Term**

8. This resource consent expires 2 years after commencement of activities on the site.

### **NOTES:**

1. A monitoring administration fee of \$100.00 has been included on your consent invoice. Please note that further fees are likely in accordance with Condition 3.
2. Pursuant to Section 127(1) of the Resource Management Act 1991, the consent holder may apply to the consent authority for a change or cancellation of any condition of this consent.
3. Pursuant to Section 128(1)(a) and 128(1)(c) of the Resource Management Act 1991, the Consent Authority may review any condition of this consent within eight years from the date of issue for any of the following purposes: (a) To deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or (b) To deal with inaccuracies contained in the consent application that materially influenced the decision made on the application and are such that it is necessary to apply more appropriate conditions; or (c) To assess the appropriateness of imposed compliance standards, monitoring regimes and monitoring frequencies and to alter these accordingly.
4. This consent shall lapse five years after the decision date if not given effect to.

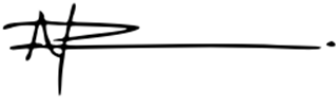
### **REASONS FOR DECISION**

Section 113(4) of the Resource Management Act 1991 requires that every decision on a resource consent that has not been notified shall be in writing and state reasons for the decision.

1. The two affected party approvals to the application have been provided.
2. While the laydown facility will be readily visible to the public from Snowy River Road, the existing view from the road is of an operating mine and the facility is temporary with the hardstand to be removed at the end of its use.

3. The potential adverse effects on the natural character of the Snowy River are expected to be minor when considered in the context of the existing environment where the river margin has been subject to significant modification associated with farming activities and with the laydown facility being a temporary activity.
4. The supporting acoustic assessment predicts noise levels will readily comply with the District Plan noise limits with noise effects assessed as less than minor.
5. Standard erosion and sediment control measures will be implemented during construction and operation of the laydown to ensure sedimentation and erosion from stormwater runoff is minimised.
6. The proposal is considered consistent with the relevant provisions of the operative Buller District Plan and the proposed Te Tai o Poutini Plan.

Please note that a copy of the Planning Officer's Report, which explains further the reasons given above, can be forwarded to you on request and is also available at the Council office to view.

A handwritten signature in black ink, consisting of a stylized initial 'N' followed by a horizontal line that ends in a small dot.

Nathan Riley  
GROUP MANAGER REGULATORY SERVICES  
BULLER DISTRICT COUNCIL

Dated at Westport this 17<sup>th</sup> day of May 2024