

Notice

Environmental Protection Act 1994

Notice of decision - Amendment of temporary emissions licence

This statutory notice is issued by the administering authority pursuant to section 357J of the Environmental Protection Act 1994, to advise you of a decision or action.

To: LGL Mount Rawdon Operations Pty Ltd
PO Box 6213
MELBOURNE VIC 3004

Mt Rawdon Mine
PO Box 1168
BUNDABERG QLD 4678

Email: Sven.Sewell@evolutionmining.com.au
Attention: Mr Sven Sewell, Mt Rawdon Mine / Mr Marty Costello, Northern Resource Consultants

Your reference:
Our reference: ENEL04614613, MIN102271210, SOR/108752

Amendment of temporary emissions licence (TEL) for discharge of mine impacted stormwater at Mt Rawdon Mine.

Following receipt of your information that the effects of the release of stormwater into the receiving environment are greater than was envisaged by the administering authority when TEL ENEL04614613 was issued, TEL ENEL04614613 has been amended.

This amended temporary emissions licence commences on 28 February 2013 and ends on 31 March 2013.

The amended licence permits the following emissions:

Release of mine impacted stormwater to the Perry River, on a continuous basis over the duration of this TEP at a rate in compliance with the conditions specified under this approval, from the following locations:

- Water from South Dam (including water from the mine pit) to the diversion drain adjacent to the WD1 spillway;
- Water from WD3 and WD4 to the diversion drain adjacent to the WD1 spillway;
- Water from South Dam, mine pit, WD1, WD2, WD3 or WD4 to spillway of WD1.

The licence overrides the following conditions of approval number MIN102271210

(C2-3) *Stormwater impacted by the mining activities may only be discharged from the locations listed in Schedule C - Table 1 and indicated on Schedule I - Map 1 and must comply with the contaminant limits defined in Schedule C - Table 2.*

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Schedule C - Table 1 Impacted Stormwater monitoring locations and frequency

Impacted stormwater release location	Monitoring Frequency
Spillway of Waste Rock Dump containment dam WD1	In the event of a release from the dam spillway
Spillway of Waste Rock Dump containment dam WD2	In the event of a release from the dam spillway
Spillway of Waste Rock Dump containment dam WD3	In the event of a release from the dam spillway
Spillway of Waste Rock Dump containment dam WD4	In the event of a release from the dam spillway
Spillway of Sediment Dam 2 located in gully north-east of the Tailings Storage Facility northern wall	In the event of a release from the dam spillway
Spillway of dam located in gully south of the Tailings Storage Facility southern wall	In the event of a release from the dam spillway
Spillway of West Pit sediment dam located between Monitoring Bores MRMB17, MRMB 18 and MRMB20	In the event of a release from the dam spillway

Schedule C - Table 2 Impacted stormwater contaminant release limits

Water quality parameter	Units	Release Limit
Total Suspended Solids	mg/L	Must not exceed 1200 mg/L or 10 percent greater than a background value ¹ of the receiving waters whichever is the greater.
pH	pH units	6.0 – 9.0 (range)
Total Dissolved Solids	mg/L	<1000
Sulfate	mg/L	<100
Copper	mg/L	<0.04
Zinc	mg/L	<0.15
Arsenic	mg/L	<0.05
Cadmium	mg/L	<0.005
WAD Cyanide	mg/L	<0.007

Note 1: A "background value" for a quality characteristic is the value of the quality characteristic measured on the same day at a background sampling and ~~existing~~ monitoring point in the receiving waters not affected by the release situated further than 20 metres up-current from the release point into Twelve Mile Creek and Swindon Creek.

The following conditions apply to this licence:

Contaminant release

- The only contaminants permitted to be released under this temporary emissions licence are stormwaters impacted by mining activities undertaken within mining lease areas ML1206, ML1210, ML1259, ML1231, ML1203, ML1192, ML1204, ML50119, ML80095 (site).
- Water must only be released from the locations stipulated below, into a watercourse leading to the Perry River:
 - Water from South Dam (including water from the mine pit) to the western clean water diversion drain of WD1;
 - Water from WD3 and WD4 to the eastern clean water diversion drain of WD1.
 - Water from South Dam, mine pit, WD1, WD2, WD3 and WD4 to spillway of WD1.
- Water must only be released from authorised locations at a rate which ensures compliance with the contaminant limits defined in Table 1 within the Perry River at a monitoring point defined in condition 5.

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Table 1 -Impacted stormwater contaminant release limits

Water quality parameter	Units	Release Limit
Total Suspended Solids	mg/L	Must not exceed 1200 mg/L or 10 percent greater than a background value ¹ of the receiving waters whichever is the greater.
pH	pH units	6.0 – 9.0 (range)
Total Dissolved Solids	mg/L	<1000
Sulfate	mg/L	<100
Copper	mg/L	<0.04
Zinc	mg/L	<0.15
Arsenic	mg/L	<0.05
Cadmium	mg/L	<0.005
WAD Cyanide	mg/L	<0.007

Note 1: A "background value" for a quality characteristic is the value of the quality characteristic measured on the same day at a background sampling and in-situ monitoring point in the receiving waters not affected by the release situated further than 20 metres up-current from the point where the release enters the Perry River.

- 4) Water must only be released from authorised locations at rate which results in a dilution ratio of 13 parts total waters released from the site to 87 parts Perry River flow.

Monitoring requirements

- 5) The water quality in the Perry River must be monitored at a point within the Perry River directly below the Perry River weir for each of the quality characteristics specified in Table 1 on a daily basis. The monitoring results required by this condition must be obtained as soon as reasonably and practicably possible.

NOTE: The administering authority will take into consideration any extenuating circumstances prior to determining an appropriate enforcement response in the event condition 5 is contravened due to a temporary lack of safe or practical access. The administering authority expects the temporary emissions licence holder to take all reasonable and practicable measures to maintain safe and practical access to designated monitoring locations.

- 6) Results for the monitoring required by condition 5 must be provided to the administering authority, including copies of the analysis certificates from a NATA certified laboratory, at the end of each seven day period during which releases occur.

Cessation of release

- 7) If the limits specified in Table 1 are exceeded within the Perry River at the monitoring point specified in condition 5, the discharge of waters from authorised locations must cease as soon as reasonably practicable following the receipt of monitoring results by the holder of the temporary emissions licence.
- 8) If the dilution ratio of water discharged to flows in the Perry River specified under condition 4 cannot be achieved within the Perry River at the monitoring point specified in condition 5, the discharge of water from authorised locations must cease as soon as reasonably practicable.

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- 9) Releases from WD1 and WD2 must be suspended in the event that water quality results from WD1 or WD2 indicate releases may cause non-compliance with the contaminant limits in the receiving environment of the Perry River downstream monitoring point.

Notification of release events

- 10) The holder of the temporary emissions licence must notify the administering authority within 24 hours of commencement or cessation of discharges from authorised locations.

Notification of emergencies, incidents and exception

- 11) The holder of this temporary emissions licence must notify the administering authority in writing within 24 hours, after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this temporary emissions licence.
- 12) Not more than 10 business days following the initial notification of an emergency, incident or information about circumstances which result or may result in environmental harm or the release of contaminants, written advice must be provided to the administering authority in relation to:
- a) results and interpretation of any samples taken and analysed; and
 - b) proposed actions to prevent a recurrence of the emergency or incident.
- 13) The notification in conditions 11 and 12 must include, but not be limited to, the following:
- a) the environmental authority and temporary emissions licence number and name of the holder;
 - b) the name and telephone number of the designated contact person;
 - a) the location of the emergency or incident;
 - b) the date and time of the emergency or incident;
 - c) the time the holder of the environmental authority and temporary emissions licence became aware of the emergency or incident;
 - d) where known:
 - 1. the estimated quantity and type of substances involved in the emergency or incident;
 - 2. the actual or potential cause of the emergency or incident;
 - 3. a description of the nature and effects of the emergency or incident including environmental risks, and any risks to public health or livestock;
 - e) any sampling conducted or proposed, relevant to the emergency or incident;
 - f) immediate actions taken to prevent or mitigate any further environmental harm caused by the emergency or incident; and
 - g) what notification of stakeholders who may be affected by the emergency or incident has occurred or is being undertaken.

END OF CONDITIONS

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Should you have any queries in relation to this notice, please contact Tracey Wilson of the department on telephone (07) 4121 1875.



Signature

28 February 2013

Date

Tim Brain
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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