

Pollution Incident Response Management Plan ML1774_Taronga Drilling Program 2020

Approved by:
Position/Title

Signature:
Date:

Purpose

Taronga Mines Pty Ltd, an 100% owned subsidiary of Aus Tin Mining Ltd, holds an Environment Protection Licence with the NSW Environment Protection Authority (EPA) for The Taronga Stage 1 Project, ML1774. As per the Protection of the Environment Operations Act 1997 (the POEO Act), the holder of an Environment Protection Licence must prepare, keep, test and implement a pollution incident response management plan (PIRMP) that complies with Part 5.7A of the POEO Act in relation to the activity to which the licence relates. If a pollution incident occurs in the course of an activity so that material harm to the environment (within the meaning of section 147 of the POEO Act) is caused or threatened, the person carrying on the activity must immediately implement this plan in relation to the activity required by Part 5.7A of the POEO Act.

A written copy of this plan must be kept at ML1774, or where the activity takes place in the case of mobile plant licences, and be made available on request by an authorised NSW EPA Officer and to any person who is responsible for implementing this plan.

Parts of the plan must also be available either on a publicly accessible website, or if there is no such website, by providing a copy of the plan to any person who makes a written request. The sections of the plan that are required to be publicly available are set out in clause 98D of the Protection of the Environment Operations (General) Regulation 2009.

This plan is developed in accordance with the Protection of the Environment Operations Act 1997 and the Protection of the Environment Operations (General) Regulation 2009.

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Environment Protection Licence (EPL) Details		
Name of licensee: Taronga Mines Pty Ltd ACN 126 854 288		
EPL number: 21160		
Company or business contact details: Aus Tin Mining 07 3303 0650 info@austinmining.com.au		
Website www.austinmining.com.au		
Scheduled activity/activities on EPL: Crushing, grinding or separating Mineral processing Mining for minerals		
Fee-based activity	Activity scale	Unit of measure
Crushing, grinding or separating	>100,000.00 – 500,000.0	T annual processing capacity
Mineral processing	>100,000.0 – 500,000.0	T annual processing capacity
Mining for minerals	>100,000.0 – 500,000.0	T annual production capacity

Pollution Incident – Person/s responsible	
PIRMP activation	Name of Person responsible: Dale Vrenegoor Position or title: Environment and community officer Business hours contact number/s: 07 3303 0650 After hours contact number/s: 04 1221 6811 Email: dvrenegoor@austinmining.com.au
Notifying relevant authorities	Name of Person responsible: Rob Kidd Position or title: General Manager Operations Business hours contact number/s: 04 0950 0854 After hours contact number/s: 04 0950 0854 Email: rkidd@austinmining.com.au
Managing response to pollution incident	Name of Person responsible: Dale Vrenegoor Position or title: Environment and community officer

Pollution Incident – Person/s responsible	
	Business hours contact number/s: 07 3303 0650 After hours contact number/s: 04 1221 6811 Email: dvrenegoor@austinmining.com.au

Notification of relevant authorities	
Contact	Phone Number
Fire & Rescue NSW and/or Rural Fire Service as applicable	000 (first notification)
Environment Protection Authority	131 555
Health NSW Vegetable Creek Multipurpose Service Emmaville	6734 7900
SafeWork NSW	131 050
Glenn Innes Severn Council Environmental Pollution Incident	0428 669 871
Department of Industry (Resources & Energy)	02 4931 6401 (Environmental Sustainability Unit) 02 4931 6666 (Mine Safety Operations)
Office of Environment and Heritage	131 555
Department of Planning and Environment	02 9228 6111 02 9274 6333

Description and likelihood of hazards – Drill program
Potential pollution incidents associated with Taronga Stage 1 activities include: • Air Pollution Incident: escape of significant dust or smoke to atmosphere; • Water Pollution incident: Significant sediment, chemicals, hydrocarbons/fuel off site to a watercourse or groundwater; • Noise pollution: Significant noise impacts on neighbouring residences and exceedance of Noise Criteria as required by the Development Consent; and • Land Pollution incident: Escape of sediment, hydrocarbons, fuels, chemicals or general waste released off site to land.

Environmental hazards				
Source/pollutant	Potential Environmental Impact	Event	likelihood	Mitigant
Hydrocarbon spill	Land and water contamination	Spill <100L	Possible	Hydrocarbon spill Management Plan Spill clean-up SOP and spill response induction Spill kits Bunded hydrocarbon storage area
		Spill >100L	Unlikely	Hydrocarbon spill Management Plan Spill clean-up SOP and spill response induction Spill kits Bunded hydrocarbon storage area Emergency response procedures
Chemical Spill	Land/water	Accidental chemical spill	Unlikely	Hazardous Materials and Contamination Control Management Plan Spill Clean-up SOP and training in spill response Supply of spill kits, Bunded storage areas
Sediment	Water/land/ecological	Incorrect topsoil placement resulting in sediment loss	Possible	Site drainage and control ponds, specifications for topsoil stockpiles, site inspections water quality monitoring
Noise pollution	Noise (impact)	Noise generation from drilling	Likely	Noise monitoring, operating time restrictions.
Dust	Dust contamination	Dust generation from drilling and dirt road use	Likely	Dust suppression processes, Dust monitoring.

Pre-emptive actions to be taken

Measures aimed to mitigate potential environmental harm as a result of activities associated with ML1774 are incorporated into relevant environmental management plans. Preventive actions as part of these plans include:

- Inductions;
- Safety Management Plans;
- Standard Operating Procedures;
- Risk assessment tools;
- Routine inspections, monitoring and auditing of site environmental controls and systems;
- Spill containment kits;

Further processes and actions are detailed in specific management plans and Standard Operating procedures including:

{add details}

Inventory of Pollutants – Drilling Program

Material Name	Solid/Liquid/Gas or Powder	Type of Containment
Diesel	Liquid	Bunded area Stored on mobile equipment in suitably designed containers
Engine Oil	Liquid	Bunded area Stored on mobile equipment in suitably designed containers
Hydraulic Oil	Liquid	Bunded area Stored on mobile equipment in suitably designed containers
Drilling Fluid	Liquid	Bunded area Stored on mobile equipment in suitably designed containers

Safety equipment

- Spill kits – booms, socks, mats.
- PPE – Dust masks, hard hats, hi-vis, gloves, ear protection etc.
- Eyewash

Communicating with neighbours and the local community

Taronga Mines will notify immediately via telephone of any major pollution incidents which may have direct impact to the surrounding neighbours. A record has been maintained on site with the names and contact details of the surrounding neighbours.

Preliminary notifications of major emergency pollution incidents will include the following information:

- When a pollution incident occurs
- Time, date and location of the pollution incident
- What steps are being taken to address the incident, both immediately and in the longer term
- What it means to their health, safety, community and environment
- What precautions or actions they need to take.

A secondary or final notification will be made when the incident is officially over to provide an update on the above.

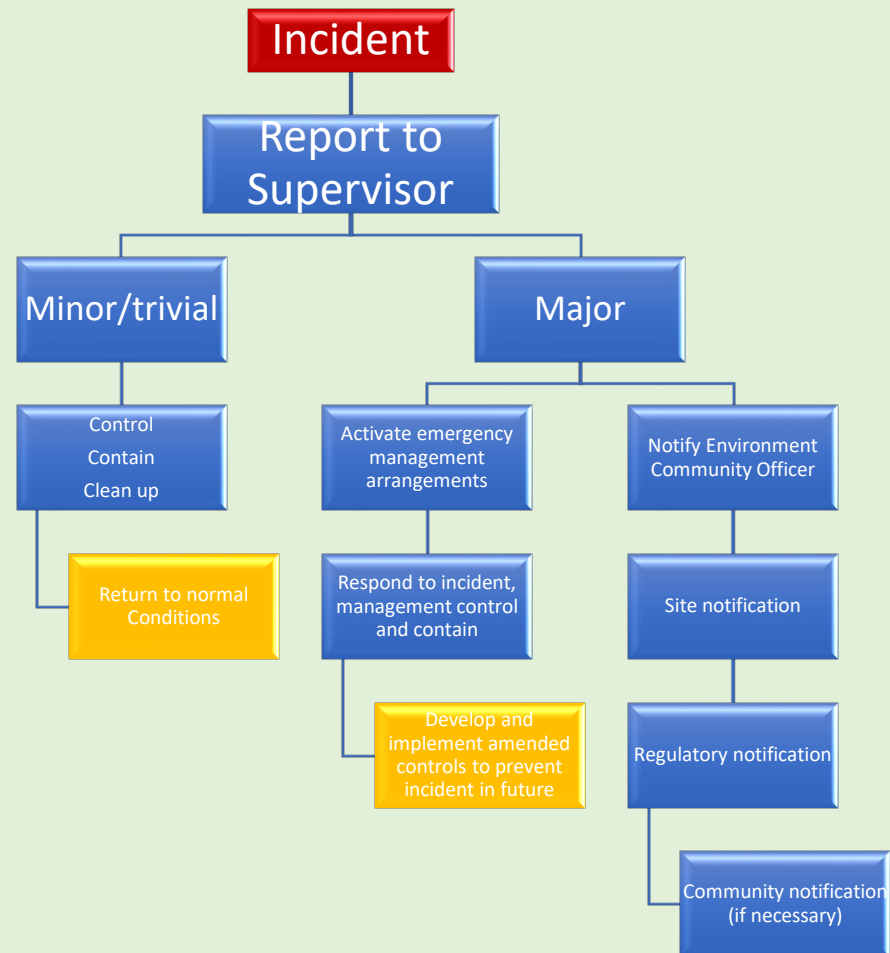
Minimising harm to persons on the premises

All activities associated with ML1774 are to be enacted in accordance with site Safety Management Plan and SOP.

If there is a spill the Hydrocarbon and Spill Management Procedure. This procedure outlines the containment and remediation actions to be implemented following a spill.

Actions to be taken during or immediately after a pollution incident

The Following flow chart provides an overview of the management of a pollution incident as per this management plan.



Staff training

Tool box talks will be presented to educate workers of preventative actions, controls, PIRMP updates, site issues and environmental pollution incidents involved in the site. The tool box meetings will present the chance for employees to raise any concerns or issues with the projects and PIRMP.

All employees, subcontractors, suppliers and visitors to the site will be notified via a site induction of the requirements on site for pollution prevention.

Through tool box talks, site personnel and subcontractors will be educated on those aspects of environmental management as appropriate to the task assigned to them.

Review

This Management Plan will be reviewed and updated annually or in the case of a significant operational change. The review will include an assessment of the effectiveness of control measures and performance against the Plan's objectives.

A copy of this report will be made publicly available upon request.

Testing

This Management Plan will be tested in accordance with legal requirements. Following commencement of operations and implementation of this PIRMP, it is to be tested via a mock pollution incident to ensure personnel are aware of the processes and responsibilities on site.

All testing of this management plan and any supplementary amendments that are made are to be documented and stored to make it available to EPA when requested.

The PIRMP will be reviewed and maintained to ensure information in the plan is accurate and up to date.

22nd January/2020

Appendix 1 – Location Map

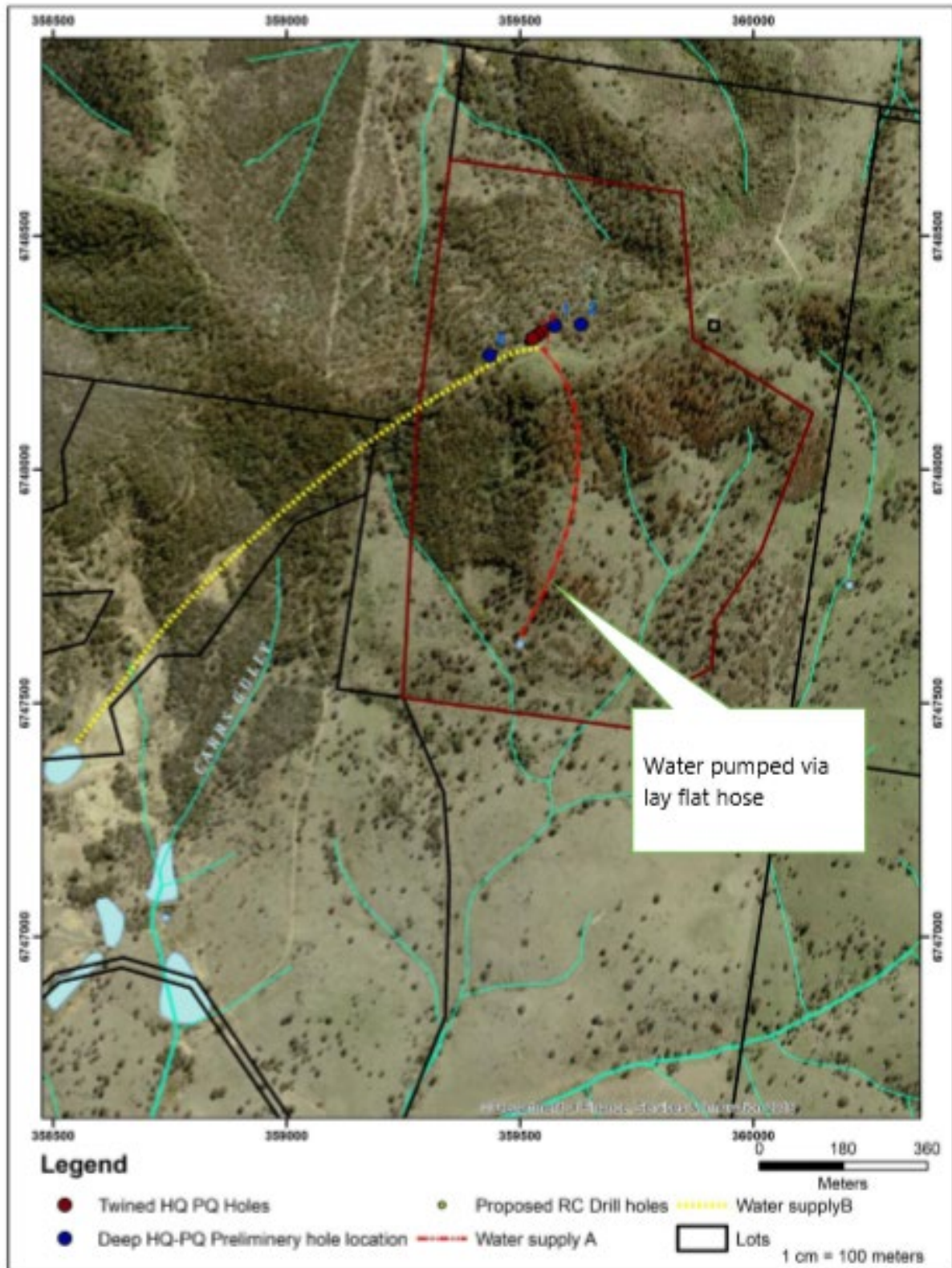


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Appendix 2 – Taronga Tin Project – Drill Program 2020 Layout



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