



Mine Name	Mine ID	Operator	Activity Type	Region	Activity Date
Pannikin	MI03029	David Oriel industries Pty Ltd	Inspection - Unannounced	Northern	18/11/2015

Vision: Our Industries Free of Safety and Health Incidents

## Mine Record Entry

***This report forms part of the Mine Record under s59 of the Mining and Quarrying Safety and Health Act 1999. It must be placed in the Mine Record and displayed on Safety Notice Boards.***

***Note that inspection or audit activities conducted by the Mines Inspectorate are based upon sample techniques. It remains the primary responsibility of Mine Personnel to identify hazards, and risks associated with Operations and ensure those risks are at an acceptable level.***

Today I conducted an unannounced inspection on the site. Assisting me with the inspection was sch4p4(6) Personal information Site Senior Executive for the operation (SSE).

### Office

A desk top review of the safety and health management system (SHMS) was conducted with sch4p4(6) Personal information. Time was spent advising him of the requirements under the mining legislation and the obligations that person are required to achieve under those provisions. In addition to the discussion, I advised sch4p4(6) Personal information the compliance process that the Inspectorate upholds. In summary, there limited evidence that the site is operated under the guidelines set down in the SHMS. Elements of the SHMS identified as being deficient in implementation included, but not limited to, the following:

- formal records for inductions and plant training and competency
- mobile plant pre-starts checks being conducted is focussing on equipment reliability and not considering safety critical items such as steering and brake function testing
- records for maintenance ceased being recorded since October 2013
- last major serviced on mobile plant can not be accurately determined
- emergency response plan requires updating
- regular inspections and daily/monthly crew talks are not being recorded
- pre-employment medicals and health assessments have not been completed
- alcohol and drug testing has not been implemented

### Pit and plant

The site was operating at the time with a total of 6 (5 mining and 1 cook) persons are working on site, including the SSE. The work being conducted on site is relatively low risk mining by extracting alluvial wash with an excavator and transporting the material with articulated dump trucks to a primary hopper. There the material is broken up with a high pressure water cannon and diverted into a shaker and gravity jig for further processing. Material waste and water is contained in a tailings dam and settlement pond. Apart from

standard items such as cleaning products, grease and fuel, the only hazardous chemical used in the process is a small amount of acid that is applied to the ore to determine the tin content.

Haul road construction and design appear to be in good order and well maintained. Positive communication was observed between operators of mobile fleet. The bunding (earth berms) at the top of the loading hill required replenishing as weather events have eroded existing material.

Fixed and mobile plant appear to be in reasonable condition. Operator and maintenance manuals were present in the mobile plant being operated. An excavator that has recently arrived on site appears to be in poor condition. Prior to operating this plant, a full service and mechanical inspection is to be completed. Items such as safety pins for boom attachments are to be located and put in place prior to operation.

Operator access to the water cannon is gained via a walkway that runs parallel to the loading hopper. Excess material has accumulated around the throat of the hopper and presents trip and fall from height hazards to pedestrians accessing the walkway. Spillage that occurs in this area is to be monitored and cleared on a regular basis.

## Summary

As a result of the site inspection, a significant amount of safety issues has been identified and will require immediate attention. A Directive to suspend operations, for an ineffective safety and health management system, has been issued to the mine.

### ***166 Directive to suspend operations for ineffective safety and health management system***

*If an inspector believes there is not an effective safety and health management system for a mine or part of a mine, the inspector may give a directive suspending operations in all or part of the mine.*

A Directive is:

### ***171 Directives***

*(1) If an inspector, inspection officer or district workers' representative has given a directive, the inspector, officer or representative—*

*(a) must enter it in the mine record as soon as reasonably practicable after giving it; and*

*(b) must state the reason for the directive in the mine record.*

*(2) A person to whom a directive is given must comply with the directive as soon as reasonably practicable.*

*Maximum penalty—800 penalty units or 2 years imprisonment.*

*(3) The site senior executive must enter in the mine record the action taken to comply with the directive as soon as practicable after the action is taken.*

*Maximum penalty—40 penalty units.*

*(4) The site senior executive must make copies of directives available for inspection by workers.*

*Maximum penalty—40 penalty units.*

*(5) A directive remains effective until—*

*(a) for a directive by a district workers' representative—it is withdrawn in writing by the representative or an inspector; or*

*(b) for a directive by the chief inspector—it is withdrawn in writing by the chief inspector; or*

(c) for a directive by an inspector other than the chief inspector—it is withdrawn in writing by the inspector or another inspector; or

(d) for a directive of an inspection officer—it is withdrawn in writing by the inspection officer or an inspector; or

(e) for a directive by a district workers' representative, an inspection officer or an inspector and not otherwise withdrawn—the chief inspector varies or sets aside the directive after reviewing it under subdivision 4; or

(f) the Industrial Court stays, varies or sets aside the directive.

The site is not to conduct operations, including loading of material, until the elements discussed with (6) Personal information has been addressed and an Inspector has been notified and written report of actions taken to address issues is received. Failure to comply with these directives will require follow up action on behalf of the Inspectorate.

I later contacted (6) Personal information Operator Representative and advised him of my findings and the requirements that would have to be undertaken by the site consider the recommencement of operations.

<u>Number</u>	<u>Directive</u>	<u>Due Date</u>
1	Pursuant to section 166 of the Mining and Quarrying Safety and Health Act 1999 <b>Ineffective Implementation of Safety and Health Management System</b>	29/01/2016

The items discussed with the SSE and Operator on the day of the inspection; and subsequently listed in the mine record is to be addressed and corrective actions recorded.

The site senior executive is to ensure that the site SHMS is implemented effectively. Personnel who are working on site are to support these changes and comply with the mine processes and rules.

Refer to MQSHA 1999, s 166 Directive to suspend operations for ineffective safety and health management system

Refer to MQSHA 1999, s 55 Safety and health management system

Refer to MQSHA 1999, s 39 Obligations of site senior executive

***Please provide a written status report on each Directive together with the actions taken to address each item by their due dates***

**Steven Firth  
Inspector of Mines  
Northern Region**