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Owner  
PSE Manager

# Management Plan

## Air Quality

**Risk Statement: High**

This document will be reviewed on a yearly basis, unless a process change occurs earlier than this period. The information in this document relates to management, monitoring and associated reporting required by Development Consent 11\_0060 and Mining Leases 1247, 1367 and 1641.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## Revision Summary

First Issue	Issue Date	Implementation Requirements	Approved By
0		Document created	NMT

Version No.	Revision Date	Clause No.	Revision Details	Approved By
1	Sept 03		C L Silveira (Update with NMT feedback)	NMT
2	Sept 04		Reviewed by L S Elliott (annual review, minor grammatical changes)	NMT
3	Oct 04		Reviewed by A J Ryan (annual review, minor changes)	NMT
4	Nov 05		Reviewed by A J Ryan (No changes)	NMT
5	Sept 06		Reviewed by R C Morphet – minor changes only	NMT
6	Nov 07		Reviewed by Environment Team – changes made to comply with Project Approval 06-0026.	NMT
7	Oct 08		Reviewed by Julie Thomas – added risk statement	NMT
8	Feb 10		Reviewed by Bianca Marston – an exceedance analysis procedure was included, updated in line with Section 75W modification approval.	NMT
9	Jan 12		Reviewed by N Gregory – transfer to new template, document hierarchy added, update of content to reflect current operational status.	SLT
9.1	Sept 13		Reviewed by H&E Adviser Ali Youssef	NMT
10	April 14		Reviewed by A. Youssef – transfer to new CMOC template, document hierarchy added, update of content to reflect current operational status in light of approvals.	NMT
11	Oct 15		Reviewed and updated by E&H Advisor and Supt Env. & Farms.	NMT
12	Feb 16		Reviewed and included new Section 8 by B Ram. With flowcharts for assessing dust data.	NMT
13	March 16		Reviewed and included comments from DPE. By B Ram Update sections 9.4 and Section 11. Included Appendix 1 for regulatory consultation.	NMT
14	Oct 17		Reviewed by N Jones, only minor changes.	NMT
15	Apr 18		Reviewed by M Thomas, minor changes to section 9.3.4	NMT
16	Oct 18		Reviewed by N Jones, updated to new format, update weekly weather assessment template and minor amendments	CD

Approval Position	Automatic Notifications
NPM – Senior Leadership Team	

Hard Copy Locations	Associated Documents to be reviewed
DOCID-3-3879	DEPOSITIONAL DUST MONITORING WI d
DOCID-3-3880	HVAS MONITORING WI
DOCID-3-3877	ENVIRONMENTAL MONITORING AND MEASURING SCHEDULE

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## Table of Contents

1.	OVERVIEW .....	5
1.1	Introduction.....	5
1.2	Location .....	5
2.	SCOPE.....	7
2.1	Background Air Quality.....	7
3.	OBJECTIVES.....	7
3.1	Regulatory Requirements.....	8
4.	RESPONSIBILITY .....	11
5.	Key issues.....	12
5.1	Potential Sources.....	12
5.2	Air Quality Criteria.....	12
5.2.1	Northparkes Mine Extension Project, Project Approval 11_00060.....	12
6.	Control Measures .....	14
6.1	Operational.....	14
6.2	Risk Assessments.....	14
7.	Monitoring.....	15
7.1	Real Time Dust Monitoring.....	15
7.2	Real Time Meteorological Monitoring.....	16
8.	Data analysis.....	18
9.	Air quality Incident Response .....	22
9.1	Pollution Incident Response Management Plan .....	22
9.2	Pollution Incident Definition .....	22
9.3	Incidents Causing or Threatening Harm To Environment .....	22
9.3.1	Internal Notification Protocol.....	23
9.3.2	External Notification Protocol .....	23
9.3.3	Relevant Information.....	24
9.3.4	Notification to Landowners/Tenants.....	24
9.4	Proactive Management – Planning for Adverse Weather.....	24
9.5	Community Liaison .....	29
10.	Reporting .....	30
11.	Review / Continuous Improvement.....	30
12.	RELATED DOCUMENTS .....	31
13.	DEFINITIONS / ATTACHMENTS .....	31
13.1	Definitions .....	31

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## List of Tables

Table 1: Background air quality levels for particulate matter.....	7
Table 2 NSW Development Consent Conditions .....	8
Table 3 Long term impact assessment criteria for particulate matter .....	8
Table 4 Short term impact assessment criterion for particulate matter .....	8
Table 5 Long term impact assessment criteria for deposited dust .....	8
Table 6 Regulatory comments .....	10
Table 7 NPM responsibilities for Air Quality Management .....	11
Table 8 Long term impact assessment criteria for particulate matter .....	12
Table 9 Short term impact assessment criterion form particulate matter.....	12
Table 10 Long term impact assessment criteria for deposited dust .....	12
Table 11 Environmental Dust Monitoring Requirements .....	15
Table 12 Weekly weather assessment template .....	25
Table 13 Trigger Action Response Plan (TARP) .....	26

## List of Figures

Figure 1 Northparkes Mine Location .....	6
Figure 2 NPM Air Quality Monitoring Location (Real time, PM10 and Depositional Dust) .....	17
Figure 3 Flowchart for annual TSP monitoring data evaluation.....	18
Figure 4 Flowchart for annual PM <sub>10</sub> monitoring data evaluation. ....	19
Figure 5 Flowchart for 24 hour PM <sub>10</sub> monitoring data evaluation. ....	20
Figure 6 Flowchart for annual depositional dust data evaluation.....	21

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

# 1. OVERVIEW

## 1.1 Introduction

Northparkes Mines (NPM) is a copper and gold mine located 27 kilometres North West of Parkes in the Central West of New South Wales, Australia. Northparkes is a joint venture between China Molybdenum Co. Ltd (CMOC) (80%) and the Sumitomo Groups (20%).

NPM has been operating since 1993 following the grant of the original development consent (504/90) by the NSW Land and Environment Court. Since that time, seven additional development consents, inclusive of modification notices have been issued and have been surrendered to Parkes Shire Council. Combined, these approvals permitted the development and operation of two open cut mines, two underground block cave mines, construction of an additional Tailings Storage Facility and storage warehouse, a mine and mill upgrade to increase production to 8.5 million tonnes per annum and associated works.

NPM was granted project approval (Northparkes Mine Extension Project 11\_00060) under Section 75J of the Environmental Planning and Assessment (EP&A) Act 1979 in May 2014 in accordance with the supporting document Environmental Assessment Northparkes Mines – Step Change Project (2013). This approval permits the ongoing operation of existing activities and the continuation of underground block cave mining in two existing ore bodies, the development of underground block cave mining in the E22 resource, additional campaign open cut mining located in existing mining leases, augmentation to approved Tailings Storage Facilities (TSFs) and an extended mine life of seven years until 2032 at the approved ore processing rate of up to 8.5 Mtpa.

## 1.2 Location

Northparkes Mines is located 27 kilometres North West of Parkes in the Central West of New South Wales, Australia, located on the edge of the inland slopes west of the Great Dividing Range. The NPM site is generally flat, with some low undulations, ranging in elevation from 288 metres Australian Height Datum (mAHD) to 301 mAHD. The area surrounding the NPM site is also generally flat with the most significant regional feature being Goonumbla Hill, which extends to a height of 386 mAHD, located approximately 4 kilometres south of the Project Area.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

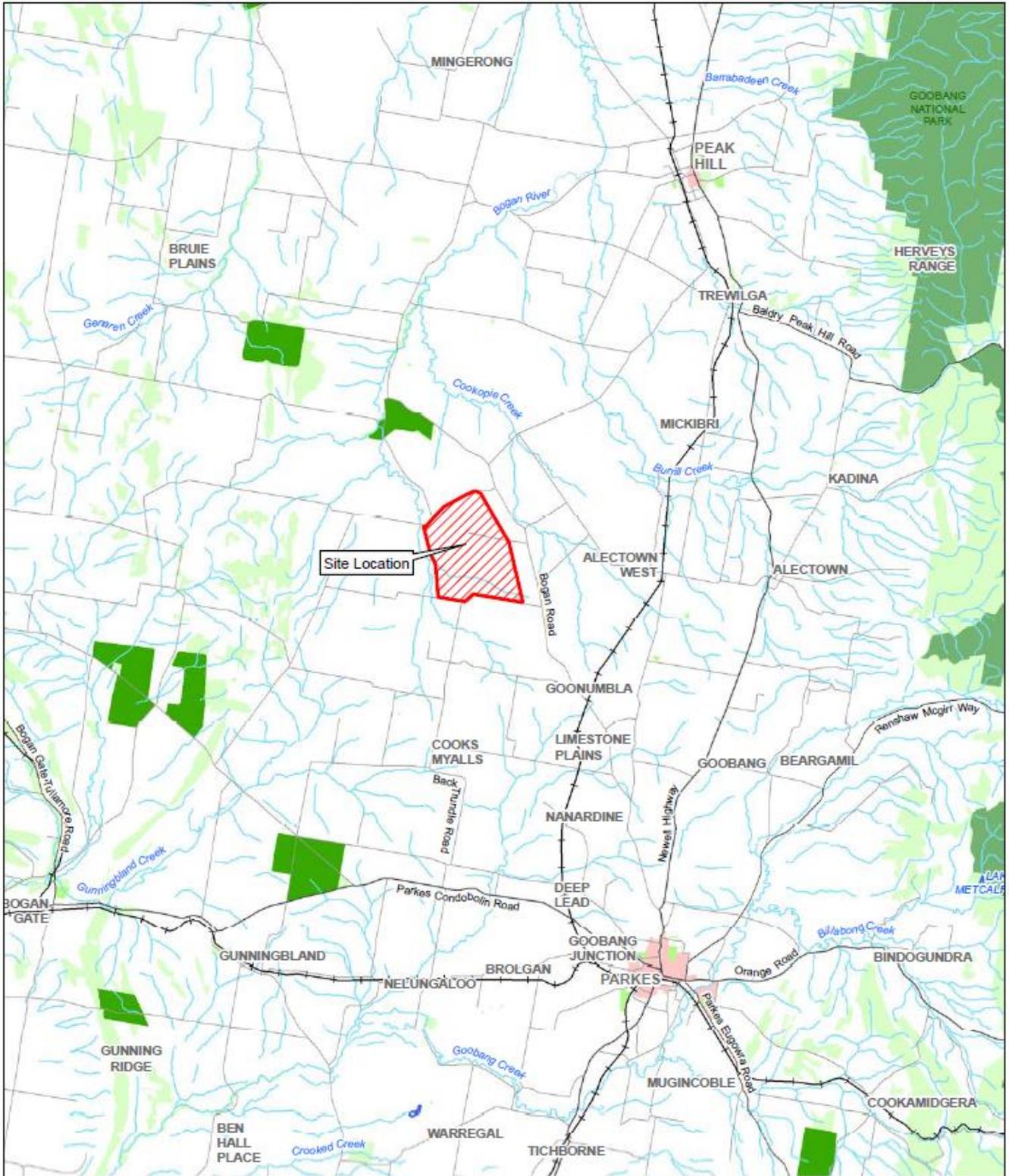


Figure 1 Northparkes Mine Location

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 2. SCOPE

This Management Plan applies to all activities undertaken by Northparkes Mines including mining and exploration activities; processing of copper / gold ore resources; project development; maintenance activities; mine closure; logistics; associated service and support function.

### 2.1 Background Air Quality

A detailed Source of environmental dust within the area are limited, and generally subject to specific activities and climatic conditions. Dusty conditions arise in periods of drought, or during specific farming activities such as harvest, sheep work or vehicle transit along unsealed roads. Throughout the remainder of the year, land is generally covered by crops or native grasslands which reduce available dust generating surfaces.

The background air quality levels adopted for the site are listed in Table 1. For each pollutant, the maximum background concentration has been selected for each relevant averaging period.

**Table 1:** Background air quality levels for particulate matter.

Pollutant	Averaging Period	Assumed Background Ambient Level
Total Suspended Particulate (TSP) Matter	Annual	72µg/m <sup>3</sup>
Particulate Matter < 10µm (PM <sub>10</sub> )	Annual	18µg/m <sup>3</sup>
Particulate Matter < 10µm (PM <sub>10</sub> )	24-hour	Variable
Deposited dust	Annual	2.7g/m <sup>2</sup> /month

NPM consists of an open cut pit (not currently operational), two underground block cave mines, processing plant and associated waste dumps and tailings dams. NPM has been operating since 1994, during this time waste rock dumps of approximately 25m height and tailings impoundments of approximately 24m height have been constructed within the mining lease. Key potential sources of dust on site are open areas, waste dumps, tailings storage facilities (TSF's), unsealed roads and ore transfer.

NPM owns approximately 5,000ha of agricultural land surrounding the mining operations, providing a considerable buffer between operations and our neighbours mitigating potential nuisance impacts of environmental dust on neighbours. However between the site and the nearest residences there is no significant change in topography deemed to influence atmospheric dispersion.

Historical monitoring data indicates that dust generated by mining activities is not extensive and generally falls out within 500m of the source.

## 3. OBJECTIVES

The objectives of the Air Quality Management Plan (AQMP) are:

- ensure that dust emissions from operations are minimised and appropriately controlled
- ensure that air quality impacts on surrounding residents are minimised
- keep the local community and regulators informed of activities where required and respond quickly and effectively to issues or complaints
- carryout regular monitoring to ensure compliance against air quality criteria
- adequately manage and mitigate potential air quality impacts from the construction and operational activities

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

### 3.1 Regulatory Requirements

The Air Quality Management Plan (AQMP) addresses the relevant components of schedule 3 conditions 14 – 18 of the NSW Project Approval (PA11\_0060) for the Northparkes Mines Step Change Project. These conditions are outlined in Table 2 and Table 3 below.

**Table 2 NSW Development Consent Conditions**

Condition	Related Section in NMP																							
<b>Air Quality Criteria</b>																								
<p><b>Condition 14.</b> The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause exceedances of the criteria listed in Table 3, Table 4 and Table 5 at any residence on privately-owned land.</p> <p style="text-align: center;"><b>Table 3</b> Long term impact assessment criteria for particulate matter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Averaging period</th> <th style="text-align: center;"><sup>a</sup>Criterion</th> </tr> </thead> <tbody> <tr> <td>Total suspended particulate (TSP) matter</td> <td>Annual</td> <td><sup>a</sup> 90 µg/m<sup>3</sup></td> </tr> <tr> <td>Particulate matter &lt; 10 µm (PM<sub>10</sub>)</td> <td>Annual</td> <td><sup>a</sup> 30 µg/m<sup>3</sup></td> </tr> </tbody> </table> <p style="text-align: center;"><b>Table 4</b> Short term impact assessment criterion for particulate matter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Averaging period</th> <th style="text-align: center;"><sup>a</sup>Criterion</th> </tr> </thead> <tbody> <tr> <td>Particulate matter &lt; 10 µm (PM<sub>10</sub>)</td> <td>24 hour</td> <td><sup>a</sup> 50 µg/m<sup>3</sup></td> </tr> </tbody> </table> <p style="text-align: center;"><b>Table 5</b> Long term impact assessment criteria for deposited dust</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Averaging period</th> <th style="text-align: center;">Maximum increase<sup>2</sup> in deposited dust level</th> <th style="text-align: center;">Maximum total<sup>1</sup> deposited dust level</th> </tr> </thead> <tbody> <tr> <td><sup>c</sup>Deposited dust</td> <td>Annual</td> <td><sup>b</sup> 2 g/m<sup>2</sup>/month</td> <td><sup>a</sup> 4 g/m<sup>2</sup>/month</td> </tr> </tbody> </table> <p>Notes to Table 3-Table 5</p> <p>a) Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources);</p> <p>b) Incremental impact (i.e. incremental increase in concentrations due to the development on its own);</p> <p>c) Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method; and</p> <p>d) Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Secretary.</p>	Pollutant	Averaging period	<sup>a</sup> Criterion	Total suspended particulate (TSP) matter	Annual	<sup>a</sup> 90 µg/m <sup>3</sup>	Particulate matter < 10 µm (PM <sub>10</sub> )	Annual	<sup>a</sup> 30 µg/m <sup>3</sup>	Pollutant	Averaging period	<sup>a</sup> Criterion	Particulate matter < 10 µm (PM <sub>10</sub> )	24 hour	<sup>a</sup> 50 µg/m <sup>3</sup>	Pollutant	Averaging period	Maximum increase <sup>2</sup> in deposited dust level	Maximum total <sup>1</sup> deposited dust level	<sup>c</sup> Deposited dust	Annual	<sup>b</sup> 2 g/m <sup>2</sup> /month	<sup>a</sup> 4 g/m <sup>2</sup> /month	Section 5.2.1
Pollutant	Averaging period	<sup>a</sup> Criterion																						
Total suspended particulate (TSP) matter	Annual	<sup>a</sup> 90 µg/m <sup>3</sup>																						
Particulate matter < 10 µm (PM <sub>10</sub> )	Annual	<sup>a</sup> 30 µg/m <sup>3</sup>																						
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<sup>c</sup> Deposited dust	Annual	<sup>b</sup> 2 g/m <sup>2</sup> /month	<sup>a</sup> 4 g/m <sup>2</sup> /month																					
<b>Schedule 3</b>																								
<p><b>Condition 15.</b> The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause exceedances of the criteria listed in Table 3, Table 4 and Table 5 at any occupied residence on mine-owned land unless:</p> <p>a) the tenant has been notified of any health risks associated with such exceedances in accordance with the notification requirements under schedule 5 of this approval;</p> <p>b) the tenant of any land owned by the Proponent can terminate their tenancy agreement without penalty at any time, subject to giving reasonable notice;</p> <p>c) air mitigation measures such as air filters, a first flush roof water drainage system and/or air conditioning) are installed at the residence, if requested by the tenant;</p> <p>d) air quality monitoring is regularly undertaken to inform the tenant of the actual particulate emissions at the residence; and</p> <p>e) data from this monitoring is presented to the tenant in an appropriate format for a medical practitioner to assist the tenant in making informed decisions on the health risks associated with occupying the property, to the satisfaction of the Secretary.</p>	Section 6.																							

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

<p><b>Condition 16.</b> The Proponent shall:</p> <ol style="list-style-type: none"> <li>implement best management practice to minimise the off-site odour, fume and dust emissions of the project</li> <li>implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site</li> <li>minimise any visible off-site air pollution generated by the project</li> <li>minimise the surface disturbance of the site</li> <li>operate a air quality management system that uses a combination of predictive meteorological forecasting and real-time air quality monitoring data to guide the day to day planning of mining operations and the implementation of both proactive and reactive air quality mitigation measures to ensure compliance with the relevant conditions of this approval</li> <li>minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see Noted above under Table 5);</li> </ol> <p>To the satisfaction of the Secretary.</p>	Section 6 & 7
<p><b>Condition 17.</b> The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <ol style="list-style-type: none"> <li>be prepared in consultation with the EPA, and submitted to the Secretary for approval by 30 June 2014;</li> <li>describe the measures that would be implemented to ensure compliance with the relevant air quality criteria and operating conditions of this approval;</li> <li>describe the air quality management system;</li> <li>include an air quality monitoring program that: <ul style="list-style-type: none"> <li>• adequately supports the air quality management system;</li> <li>• evaluates and reports on the: <ul style="list-style-type: none"> <li>– the effectiveness of the air quality management system</li> <li>– compliance with the air quality criteria</li> <li>– compliance with the air quality operating conditions; and</li> </ul> </li> <li>○ defines what constitutes an air quality incident, and includes a protocol for identifying and notifying the Department and relevant stakeholders of any air quality incidents</li> </ul> </li> </ol>	Section 6, 7 & 8
<p><b>Condition 18.</b> For the life of the project, the Proponent shall ensure that there is a meteorological station in the vicinity of the site that:</p> <ol style="list-style-type: none"> <li>complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline; and</li> <li>is capable of continuous real-time measurement of stability class in accordance with the NSW Industrial Noise Policy, unless a suitable alternative is approved by the Secretary following consultation with the EPA</li> </ol>	Section 7.2
<b>Schedule 5</b>	
<p><b>Condition 3.</b> As soon as practicable after obtaining monitoring results showing:</p> <ol style="list-style-type: none"> <li>an exceedance of any relevant criteria in schedule 3, the Proponent shall notify affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the project is again complying with the relevant criteria; and</li> <li>an exceedance of the relevant air quality criteria in schedule 3, the Proponent shall send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected tenants of the land (including the tenants of any mine-owned land).</li> </ol>	Section 9

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

### Comments from Regulators

On 01 September 2015, NPM received comments from Department of Planning and Environment (DPE) requesting NPM to amend additional information in the Air Quality Management Plan. The comments are detailed in Table 6 along with NPM comments for each component of the Condition is addressed within this document.

**Table 6 Regulatory comments**

Comments	Section
Additional procedures of Schedule 5 need to be incorporated.	Section 9
Last dot point of Schedule 3 Condition 17 (d) not adequately addressed.	Section 9

On 26 November 2015, NPM received comments from the DPE requesting NPM to amend further changes with the Management Plan submitted in October 2015. The comments are detailed in Table 7 along with NPM responses for each component of the Condition addressed within this document.

**Table 7** Regulatory comments on 26 November 2015.

Requirement	Section
<ul style="list-style-type: none"> <li>Last dot point of Schedule 3 Condition 17 (d) still inadequately addressed. Section 9 defines a pollution incident and includes a protocol for managing this. However, this needs to focus on an air quality incident - essentially an exceedance of the air quality criteria. Protocols for identifying and notifying the Department and relevant stakeholders should relate to an air quality incident specifically.</li> </ul>	Section 8

On 11 March 2016, NPM received comments from the DPE requesting NPM to amend further changes with the Management plan submitted on 17 February 2016. The comments are detailed in Table 8 along with NPM responses for each component addressed within this document.

**Table 8 Regulatory comments on 7 March 2016**

Requirement	Section
Evidence of consultation with the EPA should be provided	Appendix 1
The meteorological monitoring station has the potential to trigger early investigation and response <i>before</i> air quality levels are exceeded. Please identify how this is being used to facilitate proactive and adaptive management of air quality	Section 9.4
Section 11 refers to the frequency of updates to the Air Quality Management Plan. This should also include the requirements under Schedule 6, condition 5.	Section 11

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 4. RESPONSIBILITY

Specific accountabilities in relation to management of 'air quality' at NPM are outlined in Table 9. Personnel carrying out work under this Management Plan must be familiar with and comply with it in full.

General role responsibilities under this Procedure are outlined in 'HSE Accountabilities' Procedure (3-3563). Personnel carrying out work under this Management Plan must be familiar with and comply with it in full.

**Table 9** NPM responsibilities for Air Quality Management

Role	Responsibility
<b>Operational</b>	
Superintendent Environment	Environmental inductions and training to ensure workforce awareness
Operational Managers	Sealing high traffic roads, where possible
Manager – Ore Processing	Product transportation in sealed containers;
Operational Managers	Road sweeper used on sealed trafficable areas
Operational Managers	Applying water to internal haul roads as required by weather conditions at the time
Superintendent Environment	Restrictions on clearing, topsoil stripping and access to disturbed areas
Superintendent Environment	Progressive rehabilitation
Manager – Mining	Minimise use of haul trucks (through use of conveyors & planning)
Operational Managers	Control mechanisms on crushing and conveying infrastructure, including complete or partial enclosure dust extraction filters and mist sprays
Manager – Ore Processing	Operation of the tailings storage facilities to minimise dust and capped as early as practicable
Manager – Ore Processing Manager – Mining	Dust controls on surface
Tech Services - Manager	Reverse circulation drill rigs
Superintendent Environment	Implement a program of regular monitoring
<b>Adverse Weather</b> <b>(to be applied in situations where adverse weather conditions are resulting in significant risk of dust generation)</b>	
Manager – Mining	Review of the elevation of mining and dumping and, where possible, relocate equipment to lower elevations, until more suitable conditions return
Managing Director	Amended working hours
Managing Director	Temporary cessation of work within an area
<b>Long Term</b>	
Superintendent Environment Operational Managers	Identifying major dust generating activities and implementing appropriate control methods
Superintendent Environment	Review monitoring trends to drive improvements and maintain compliance
Superintendent Environment	Maintain awareness of current dust control methods and technology

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 5. KEY ISSUES

### 5.1 Potential Sources

The potential sources of dust generated by activities include:

- Topsoil stripping;
- Excavation, transportation and placement of materials;
- Wind erosion from disturbed surfaces;
- Exposed dried surfaces of the tailings storage facilities;
- Overland conveying of crushed ore;
- Ore handling at the rill towers and ROM pad;
- Crushing and screening of ore;
- Open cut mining, including drilling and blasting;
- Use of unsealed roads around the mine site;
- Exploration activities; and
- Fuel combustion emissions from onsite vehicles and plant equipment.

The primary impact of dust generation is likely to be nuisance to surrounding land owners, and the subsequent community impact. Dust generated at the site has not been identified as having contaminant levels that would cause health or environmental impacts. Similarly, to date, there is little evidence to support supposition that environmental dust will have a detrimental impact on flora or fauna in the vicinity of the mine. This does not negate the possibility of future impacts, but literature reviews and monitoring results suggest that the risk is low.

### 5.2 Air Quality Criteria.

#### 5.2.1 Northparkes Mine Extension Project, Project Approval 11\_00060

As per Schedule 3, condition 14 of Northparkes Mine Extension Project, Project Approval 11\_00060, NPM shall ensure that the dust generated by the project does not exceed the criteria in Table 10 at any residence on privately-owned land.

**Table 10** Long term impact assessment criteria for particulate matter

Pollutant	Averaging period	<sup>d</sup> Criterion
Total suspended particulate (TSP) matter	Annual	<sup>a</sup> 90 µg/m <sup>3</sup>
Particulate matter < 10 µm (PM <sub>10</sub> )	Annual	<sup>a</sup> 30 µg/m <sup>3</sup>

**Table 11** Short term impact assessment criterion form particulate matter

Pollutant	Averaging period	<sup>d</sup> Criterion
Particulate matter < 10 µm (PM <sub>10</sub> )	24 hour	<sup>a</sup> 50 µg/m <sup>3</sup>

**Table 12** Long term impact assessment criteria for deposited dust

Pollutant	Averaging period	Maximum increase <sup>2</sup> in deposited dust level	Maximum total <sup>1</sup> deposited dust level
Deposited dust	Annual	<sup>b</sup> 2 g/m <sup>2</sup> /month	<sup>a</sup> 4 g/m <sup>2</sup> /month

**Notes to Table 10, Table 11 and Table 12**

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

- a) Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources)
- b) Incremental impact (i.e. incremental increase in concentrations due to the development on its own)
- c) Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method; and
- d) excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Secretary

These limits do not apply if NPM have an agreement with the relevant owner/s of the residences or land to generate higher dust levels, and NPM has advised the Department of Planning and Environment in writing of the terms of the agreement.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 6. CONTROL MEASURES

Control measures for the management of air quality during construction, operation and decommissioning are essential in minimising air quality impacts.

### 6.1 Operational

Operational control measures include:

- NPM has a private agreement in place with the owners of "Avondale" for the property to remain unoccupied over mine life
- major works scheduled undergo a risk assessment prior to commencing work
- environmental inductions and training to ensure workforce awareness
- purchase of equipment that meets relevant air emission standards
- maintaining plant and machinery in good working order
- maintaining haul roads in good condition
- regular contact with local residents
- sealing high traffic roads, where possible
- use of water carts on unsealed roads
- scheduling of work with attention paid to adverse weather conditions and modifications made to the work program where necessary
- implementation of best management practice to minimise the construction, operational and road air quality of the operations
- an air quality management system that uses a combination of predictive meteorological forecasting and real-time weather monitoring data to guide the day to day planning of construction and mining operations, and the implementation of both proactive and reactive air quality mitigation measures to ensure compliance with the relevant conditions and approvals
- a program of regular air quality monitoring of site operations to determine whether the operations are complying with the criteria set out in Northparkes Mine Extension Project, Project Approval 11\_0060. This monitoring will be undertaken as real-time dust (continuous) PM10, TSP (6-day cycle) and depositional dust (monthly) monitoring at surrounding receivers over the life of the mine

#### Adverse Weather

Should adverse weather conditions exist, the following options are available to mitigate off-site, private property impacts:

- review of the elevation of earthworks or mining activities and, where possible, relocate equipment to lower elevations, until more suitable conditions return
- amend working hours where possible
- stop construction works if required for a period of time to reduce any abrupt changes in air quality

### 6.2 Risk Assessments

The primary impact of dust generation is likely to be nuisance to surrounding land owners, and the subsequent community impact. Dust generated at the site has not been identified as having contaminant levels that would cause health or environmental impacts. Similarly, to date, there is little evidence to support supposition that environmental dust will have a detrimental impact on flora or fauna in the vicinity of the mine. This does not negate the possibility of future impacts, but literature reviews and monitoring results suggest that the risk is low.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## 7. MONITORING

An air quality monitoring program is implemented to regularly sample air quality at key locations on and adjacent to the mine site. The program is designed to measure the effectiveness of control measures and ensure compliance with consent and licence conditions, relevant standards and corporate requirements.

The program is comprised of a combination of high volume air samplers (PM10 and TSP) and depositional dust gauges to monitor performance. All monitoring is undertaken in accordance with the following procedures:

- Environmental Monitoring and Measuring Schedule (DOCID-3-3877);
- Depositional Dust Monitoring WI (DOCID-3-3879)
- High Volume Air Sampling Monitoring WI (DOCID-3-3880)

A meteorological monitoring station is maintained to provide real time and periodic meteorological data to assist in the interpretation of results. The environmental dust monitoring program is outlined in Table 13

**Table 13** Environmental Dust Monitoring Requirements

Monitoring Parameter	Monitoring Method	Frequency	Location	Accountable Person
Total Suspended Particulate Matter	Depositional Dust bottles	Monthly	Boundary and offsite monitoring locations outlined in Depositional Dust Monitoring WI (DOCID-3-3879)	Environment Advisor
TSP	High Volume Air Sampler	6 days	Milpose Hubberstone Hillview	Environment Advisor
PM10	BAMs – Real time monitors	Continuous	Milpose Hubberstone Hillview	Environment Advisor
Weather -Wind Speed -Wind direction -Rainfall	Meteorological monitoring station	Continuous	NPM - Rosedale	Environment Advisor

The Air Quality Monitoring data analysis procedure, found in Depositional Dust WI (DOCID-3-3879) will be followed in the event of an exceedance of criteria outlined in Table 2. Any exceedance of the criteria deemed to be attributable to NPM, or if the source of the exceedance is unable to be definitively determined will constitute an environmental incident, and require reporting through the internal HSE Management system. Any community complaint received in relation to dust will be reported as an environmental incident and investigated accordingly.

Actions required as a result of an exceedance of the air quality criteria will be determined on a case by case basis, according to determined causal factors.

### 7.1 Real Time Dust Monitoring

NPM will utilise real-time air quality monitoring with alarm / SMS capabilities at three locations as shown in Figure 2. Real time air monitors will:

- monitor and record real time dust
- notify works area supervisors of dust levels encroaching criteria

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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- run alongside with TSP and depositional dust monitoring to calibrate and validate the real time air quality monitoring results

Any dust that is above the air quality criteria as required by the project approval where the source of dust is from the mining activities will be deemed as a dust incident. A detailed investigation will be carried out and mitigation measures will be implemented to reduce the air quality impact. All exceedances and investigations will be reported to the regulators within 7 days of the incident.

## 7.2 Real Time Meteorological Monitoring

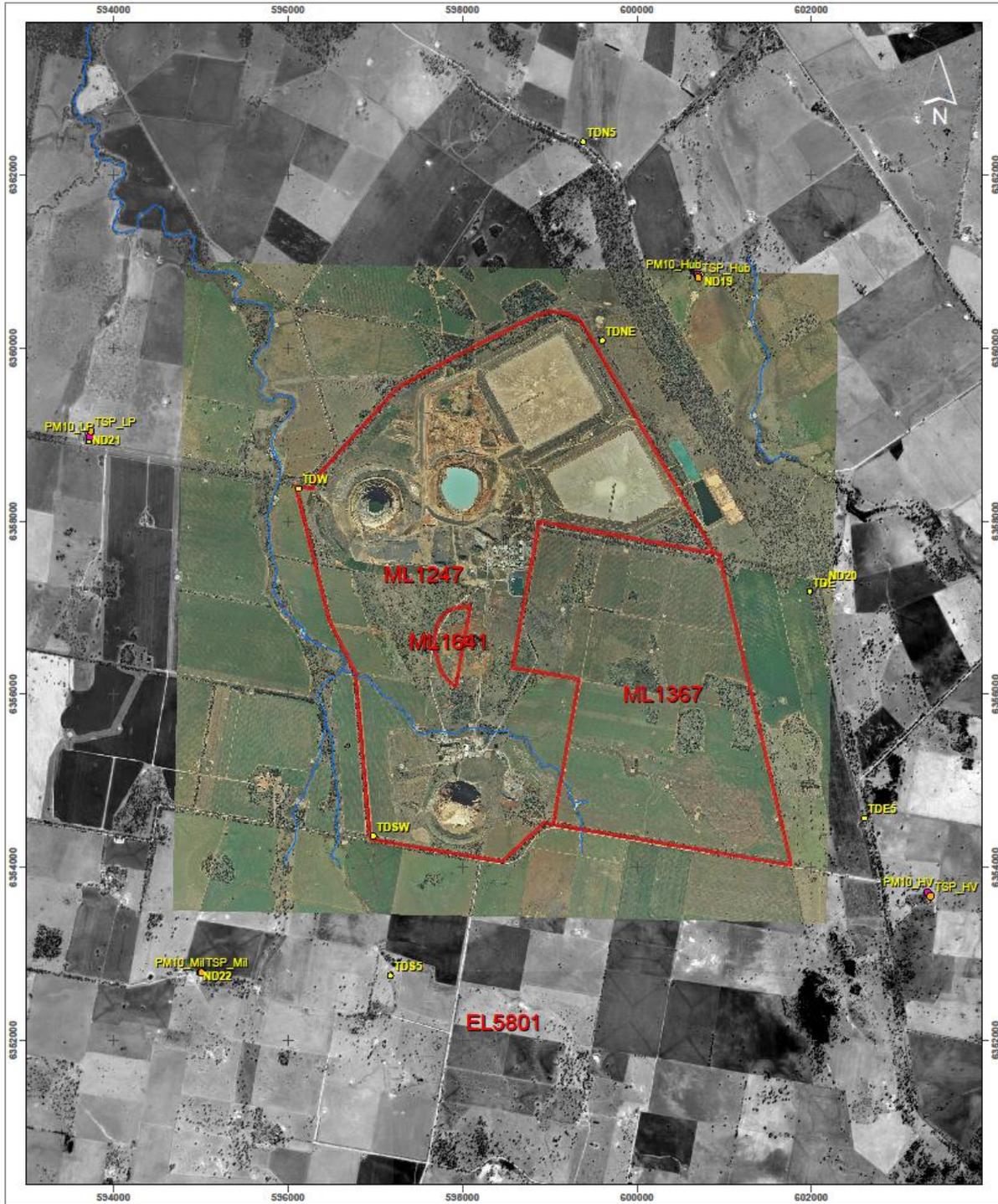
NPM operate a meteorological monitoring station, located within area ML 1367. Fifteen minute and 24-hour average wind speed, wind direction, air temperature, relative humidity, solar radiation, and rainfall are being monitored.

These measurements will allow identification of the periods when wind speeds of up to 3m/s at 10m above ground level and temperature inversions of up to 3°C/100m are experienced.

The weather monitoring station NPM is sited as required in "Approved Methods for Sampling of Air Pollutants in New South Wales", which complies with AS 2923 – 1987 – Guide for Measurement of Horizontal Wind for Air Quality Applications.

The meteorological station complies with AS 2923 – 1987 on all respects. The 10m tower located on relatively flat terrain and is at least ten times the height of obstructions, and away from those obstructions, as per Section 8.3 of AS 2923 – 1987.

Fifteen minute and 24-hour average wind speed, wind direction, air temperature, relative humidity, solar radiation and rainfall are currently being monitored. These measurements will allow cross reference with dust deposition and High Volume Air Sampler results to aid in the identification of dust sources should exceedances of the prescribed air quality criteria are observed.



**Legend**

- Realtime PM10
- Depositional Dust
- mineral\_titles
- TSP
- PM10 Dust
- NPM\_Drainage

1:40,000

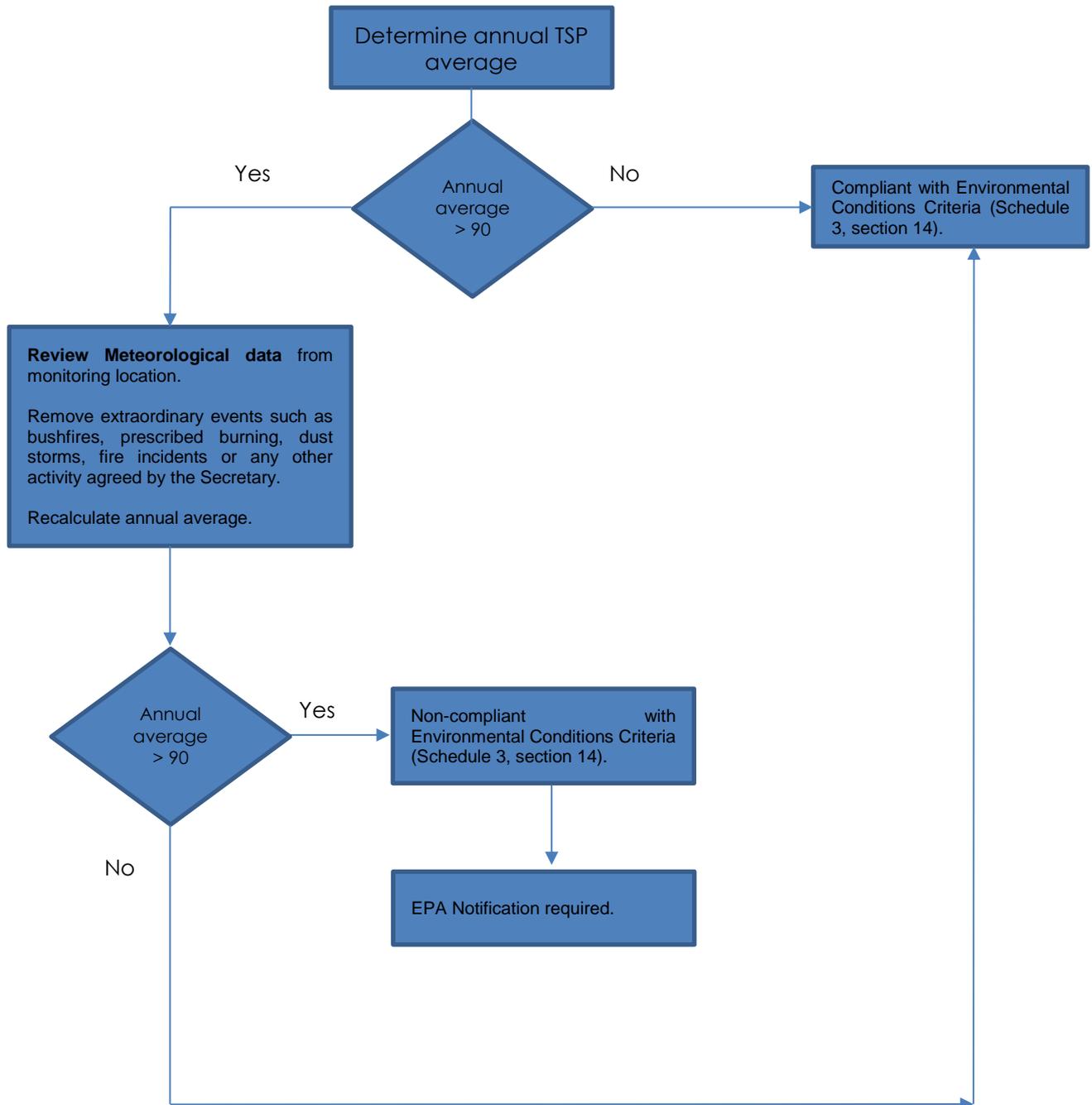
**Monitoring Locations**  
Dust

Date Saved: 2/06/2014 1:00:46 PM  
 Coordinate System: GDA 1994 MGA Zone 55  
 Projection: Transverse Mercator  
 Datum: GDA 1994  
 false easting: 500,000.0000  
 false northing: 10,000,000.0000  
 central meridian: 147.0000  
 scale factor: 0.9996  
 latitude of origin: 0.0000  
 Units: Meter

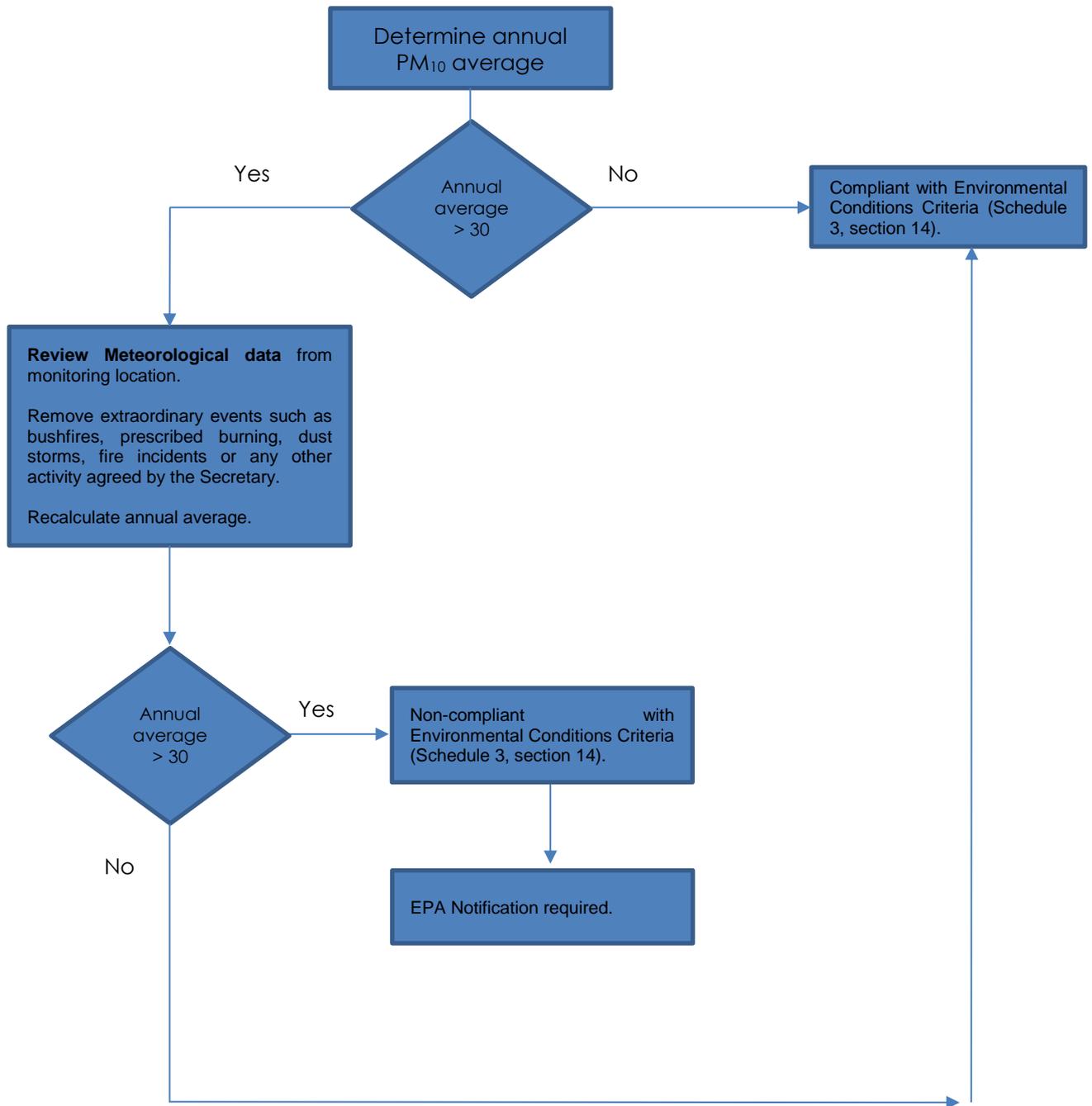
**Figure 2 NPM Air Quality Monitoring Location (Real time, TSP's and Depositional Dust)**

## 8. DATA ANALYSIS

All air quality data will need to be assessed for compliance with licence conditions in Schedule 3, Condition 14 – Air Quality Criteria, of the Northparkes Mines Project Approval No. 11\_0600. The process for assessing compliance and a potential incident are highlighted in the following flowcharts.



**Figure 3 Flowchart for annual TSP monitoring data evaluation.**



**Figure 4** Flowchart for annual PM<sub>10</sub> monitoring data evaluation.

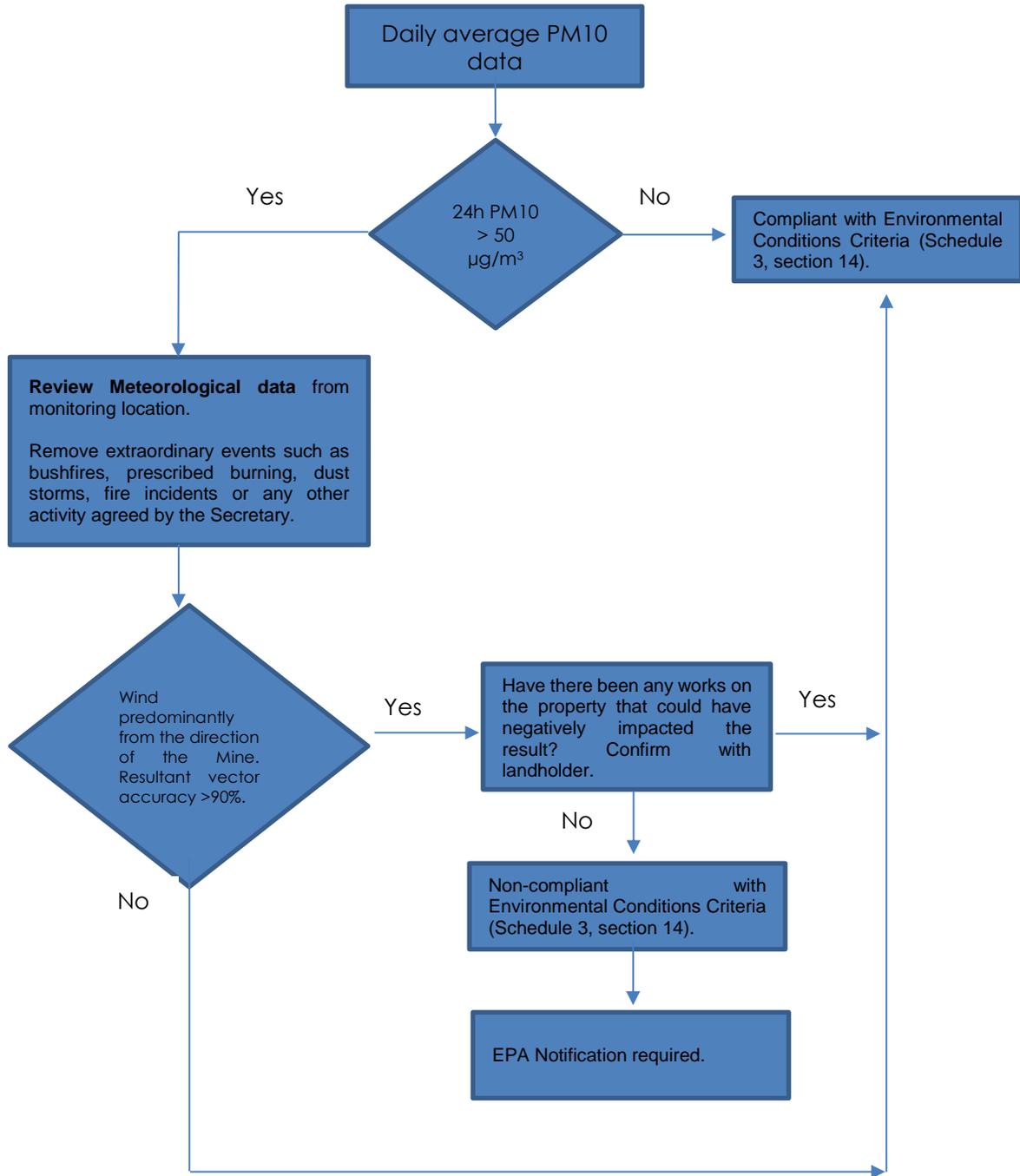
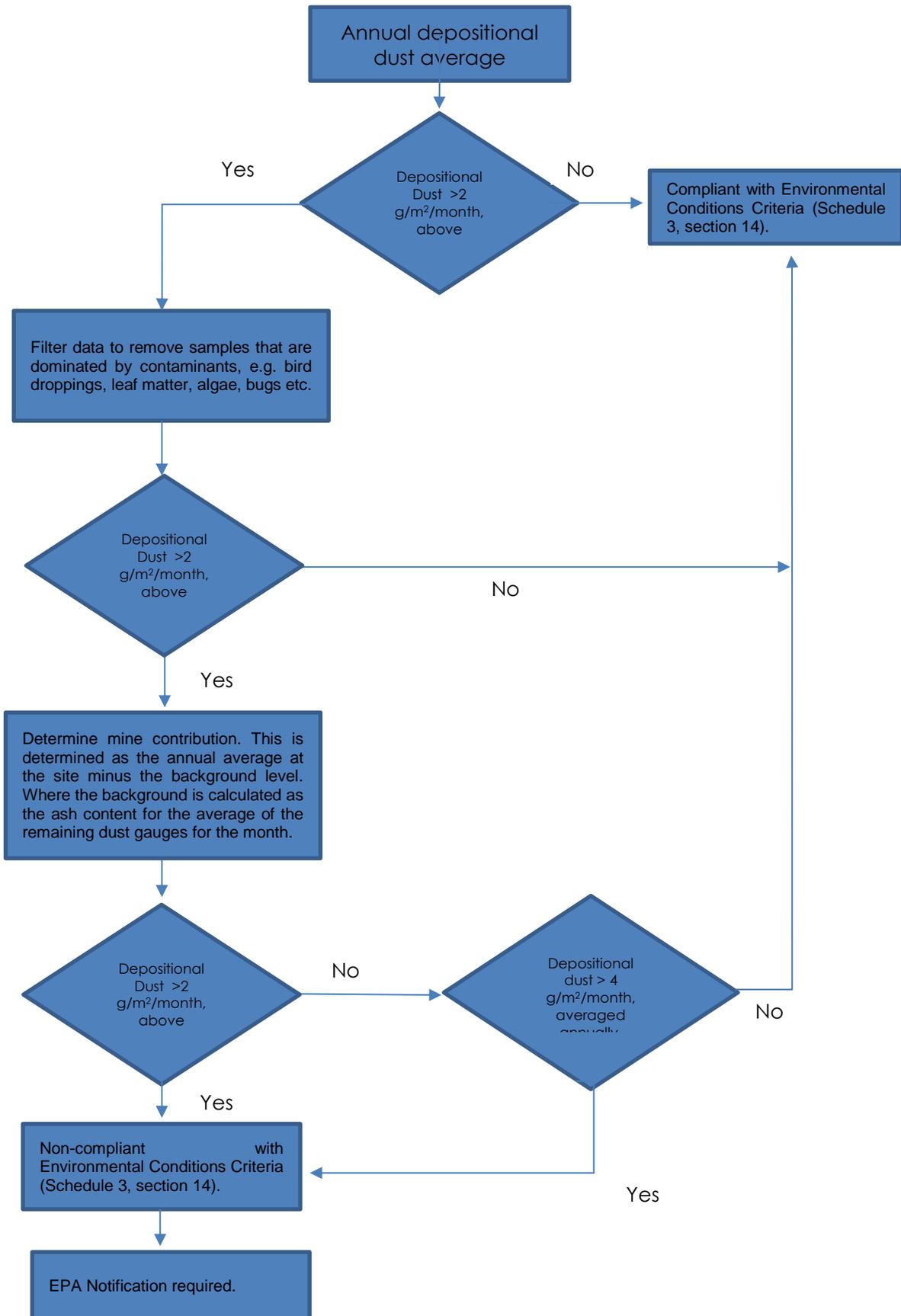


Figure 5 Flowchart for 24 hour PM<sub>10</sub> monitoring data evaluation.



**Figure 6 Flowchart for annual depositional dust data evaluation.**

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## 9. AIR QUALITY INCIDENT RESPONSE

Where a dust reading is deemed an incident requiring reporting, as per protocols above, then the NPM Pollution Incident Response Management Plan will need to be implemented.

### 9.1 Pollution Incident Response Management Plan

NPM Pollution Incident Response Management Plan (PIRMP) is to be immediately implemented in the event that a pollution incident occurs at the Northparkes Mines such that material harm to the environment is caused or threatened.

### 9.2 Pollution Incident Definition

A '**pollution incident**' includes a leak, spill or escape of a substance, or circumstances in which this is likely to occur.

According to the POEO Act a *pollution incident* is defined as:  
*an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.*

Pollution incidents causing or threatening material harm to the environment trigger the incident response measures below (including notification) and detailed in the Pollution Incident Response Management Plan.

Harm to the environment is material if:

1. it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
2. it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000. Loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

'Material harm' includes on-site harm, as well as harm to the environment beyond the premises where the pollution incident occurred.

### 9.3 Incidents Causing or Threatening Harm to Environment

Part 5.7 of the *Protection of the Environment Operations Act 1997* (POEO Act) specifies requirements relating to the notification of pollution incidents.

Under Part 5.7, the occupier of premises, the employer or any person carrying out the activity which causes a pollution incident must **immediately notify** each relevant authority when material harm to the environment is caused or threatened.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

### 9.3.1 Internal Notification Protocol

All employees and contractors are legally required to assist Northparkes to meet EPA's notification requirement. Under the internal notification protocol, it is intended that the Northparkes People, Safety & Environment Manager (PS&E Manager) or Managing Director undertake external notification. The internal notification protocol allows external notification by other parties in the case that the PS&E Manager or Managing Director cannot be immediately contacted.

The potential material harm pollution incident must:

1. Immediately notify your Northparkes supervisor or Environment Phone (**0458 042 391**) or the Northparkes Access Control (**02) 6861 3211** per the Northparkes Emergency Procedures. The supervisor or Environment Team member should then **immediately** notify the:
  - People, Safety & Environment Manager (PS&E Manager); or
  - Managing Manager (in the absence of the PS&E Manager).

**NOTE: This can be any time 24hrs per day.**

2. In the event that the supervisor or the Control Room Operator cannot be **immediately** contacted, contact the E Superintendent **immediately**.
3. In the event the E Superintendent or PS&E Manager cannot be **immediately** contacted, the EPA require that the supervisor/employee/contractor/agent must notify the EPA **immediately**.

**NOTE: In this instance, the PS&E Manager and/ or the Managing Director should be contacted as soon as possible after notifying the EPA.**

### 9.3.2 External Notification Protocol

After the internal notification protocol has been followed, the person undertaking external notification must immediately follow the below protocol:

1. Firstly, call **000** if the incident presents an immediate threat to human health or property. (Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents).
2. If the incident does not require an initial combat agency, or once the **000** call has been made, notify the relevant authorities in the following order. The 24-hour hotline for each authority is given when available:
  - a. the EPA Environment Line **131 555** (the appropriate regulatory authority (ARA) for the activity under the POEO Act)
  - b. the Ministry of Health via the local Public Health Unit – (**02) 4924 6477** (diverts to John Hunter Hospital) - ask for Public Health Officer on call
  - c. SafeWork – phone 13 10 50
  - d. Parkes Shire Council – phone:
    - Work Hours ph: 02 6861 2333
    - After Hours ph: 1800 648 585

The Department of Planning and Environment – Manager, Mining Projects – 1300 305 695 shall also be notified as soon as practicable.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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### 9.3.3 Relevant Information

The relevant information about a pollution incident required under section 148 of the POEO Act consists of the following:

- the time, date, nature, duration and location of the incident,
- the location of the place where pollution is occurring or is likely to occur,
- the nature, the estimated quantity or volume and the concentration of any pollutants involved, **if known**,
- the circumstances in which the incident occurred (including the cause of the incident, **if known**),
- the action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution, **if known**.

### 9.3.4 Notification to Landowners/Tenants

In the event there is an incident which poses a potential threat to surrounding property owners and occupiers, NPM will notify those likely to be affected as soon as practicable. Weekly weather predictions will allow NPM to notify neighbours of high risk days in advance of potential dust impacts. This will be in conjunction with the Community Department.

The effected landowners will be notified in writing of any exceedance of environment monitoring criteria for air quality as required by the Project Approval 11\_0060, within one week of obtaining results from the lab. In the instance of an exceedance of the air quality criteria, NPM will also send a copy of the NSW Health fact sheet entitled "Mine Dust and You" to the affected landowners and/or existing tenants of the land including the tenants on mine-owned land. Following notification of an exceedance, NPM will provide quarterly monitoring results to each of these parties until the results show that the project is complying with the criteria.

NPM will also notify all privately-owned land owners within 2 kilometres of the approved open cut mining pits that they are entitled to request an inspection to establish baseline condition assessments of any building or structures on their land. This will be undertaken 3 months before the commencement of open cut mining operations. NPM will include a copy of the NSW Health fact sheet entitled "Mine Dust and You" to the all landowners and/or existing tenants of the land including the tenants on mine-owned land.

NPM will also inform landowners of their rights under Project Approval 11\_0060 before entering into any agreement on exceedances of dust and/or noise criteria. NPM will also provide information of the potential health and amenity impacts associated with living on the land, and give landowners a copy of the NSW Health fact sheet entitled "Mine Dust and You".

## 9.4 Proactive Management – Planning for Adverse Weather

NPM operate a meteorological monitoring station, located within area ML 1367. Fifteen minute and 24-hour average wind speed, wind direction, air temperature, relative humidity, solar radiation, and rainfall are being monitored.

Weekly weather assessments (Table 14) are issued every Monday morning for the oncoming week's weather to alert the processing department and tailings project team of upcoming wind and weather events. The days are related on a traffic light system with high days rated in red. The Trigger Action Response Plan (TARP) will be implement for any week which is high risk rated and has the possibility to cause harm to the environment or adverse impact to community.

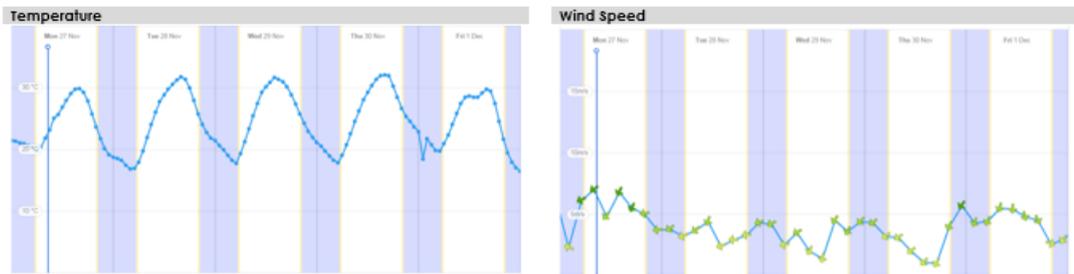
Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

Table 14 Weekly weather assessment template

### Weekly Meteorological Assessment for the Risk of Airborne Dust Being Generated from Mine Lease

Data is to be sourced from the Bureau of Meteorology website – <http://www.bom.gov.au/nsw/forecasts/parkes.shtml>  
<https://www.willyweather.com.au/graphs.html?graph=outlook:5,location:1875,series=order:0,id:sunrise:sunset,type:forecast,series=order:1,id:wind,type:forecast,station:339,series=order:2,id:rainfall>; Northparkes Weather station (accessed from NPM Portal)

Aspect	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date							
Days since last rainfall							
Chance of rain							
Max wind speed (m/s)							
Prevailing wind direction							
Month							
OVERALL RISK RANKING:							



Aspect	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
Dust mitigation required Eqv. Team to complete	<input type="checkbox"/>							
Short term mitigation options OPD Supt / Team Leader to complete.	Truck <input type="checkbox"/> Tailings <input type="checkbox"/> Irrigator <input type="checkbox"/>							
Communication C/ER Rep. to complete.	Neighbours notified <input type="checkbox"/>							
Check level of dams and ponds Due to predicted rain	<input type="checkbox"/>							

The risk level is determined as meeting or exceeding Category A criteria in addition to one or more criteria aspects from Category B. Should it be determined that a moderate or high risk scenario be imminent, the on-going mitigation measures will be implemented. **This assessment should be emailed to OPD Manager, OPD Production Superintendent, OPD Process Co-Ordinator, TSF Technician and Environment Superintendent.**

ASPECT	LOW	MODERATE	HIGH
<b>Category A</b>			
Days since last rainfall	< 10 days	10 – 20 days	> 20 days
<b>Category B</b>			
Wind speed (m/second)	0 – 3.6	> 3.6 – 8.8	> 8.8 – 11+
Prevailing wind direction	North - North East – East – South East	South – South West	West – North West
Month	Nov – April	May – July	Aug – Oct

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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**Table 15 Trigger Action Response Plan (TARP)**

**Trigger Plan**

<b>Trigger Levels and Action Response Plans</b>			
<b>OFFSITE DUST EVENT</b>			
<b>Location</b>	<b>Normal</b>	<b>Level 1</b>	<b>Level 2</b>
		<b>Triggers</b>	<b>Triggers</b>
Site Wide	<p>The day is forecast as being of normal risk, when there has been rain over the Site in the last 10 days. In addition, one or more of the following aspects should also hold true:</p> <ul style="list-style-type: none"> <li>a) winds are expected to range between 0 – 3.6 m/s</li> <li>b) prevailing wind direction is north, north-east, east, south-east.</li> <li>c) day lies in the months of November to April.</li> </ul>	<p>The day is forecast as being of a moderate risk, when there has been no rain for 10 – 20 days over the Site. In addition, one or more of the following aspects should also hold true:</p> <ul style="list-style-type: none"> <li>a) winds are expected to range between 3.6 – 8.8 m/s</li> <li>b) prevailing wind direction is south or south-westerly</li> <li>c) day lies in the months of May to June.</li> </ul>	<p>The day is forecast as being of a high risk, when there has been no rain for greater than 20 days over the Site. In addition, one or more of the following aspects should also hold true:</p> <ul style="list-style-type: none"> <li>a) winds are expected to be greater than 8.8 m/s</li> <li>b) prevailing wind direction is west or north-westerly</li> <li>c) day lies in the months of August to October.</li> </ul>

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## Response Plan

Trigger Levels and Action Response Plans			
OFFSITE DUST EVENT			
Responsibilities	Normal	Level 1	Level 2
		Response	Response
Environmental Advisor	<ul style="list-style-type: none"> <li>Track weather forecasts using online sources.</li> <li>Send out weekly weather assessment to Environment advisors; Environment and Farms Superintendent; Superintendent Ore Processing; OPD Personnel; Community and External Relations Advisor; OPD shift Supervisors; Ore Processing Superintendent; Manager – Ore Processing; Manager – People, Safety and Environment; and Project Manager – Tailings.</li> <li>Weekly weather forecast is reviewed daily against the latest weather predictions, and if conditions have been deemed to be significantly different (i.e. change in risk rating) to those that were originally predicted at the start of the week, then a revised weather forecast is circulated.</li> </ul>	<ul style="list-style-type: none"> <li>Track weather forecasts using online sources.</li> <li>Send out weekly weather assessment to Environment advisors; Environment and Farms Superintendent; Superintendent Ore Processing; OPD Personnel; Community and External Relations Advisor; OPD shift Supervisors; Ore Processing Superintendent; Manager – Ore Processing; Manager – People, Safety and Environment; and Project Manager – Tailings.</li> <li>Weekly weather forecast is reviewed daily against the latest weather predictions, and if conditions have been deemed to be significantly different (i.e. change in risk rating) to those that were originally predicted at the start of the week, then a revised weather forecast is circulated.</li> </ul>	<ul style="list-style-type: none"> <li>Track weather forecasts using online sources</li> <li>Send out weekly weather assessment to Environment advisors; Environment and Farms Superintendent; Superintendent Ore Processing; OPD Personnel; Community and External Relations Advisor; OPD shift Supervisors; Ore Processing Superintendent; Manager – Ore Processing; Manager – People, Safety and Environment; and Project Manager – Tailings.</li> <li>Weekly weather forecast is reviewed daily against the latest weather predictions, and if conditions have been deemed to be significantly different (i.e. change in risk rating) to those that were originally predicted at the start of the week, then a revised weather forecast is circulated.</li> <li>If mine generated dust is witnessed offsite, notify the EPA (Dubbo) of nuisance dust outside the Mine Lease.</li> </ul>
Community and External Relations Advisor	<ul style="list-style-type: none"> <li>No action.</li> </ul>	<ul style="list-style-type: none"> <li>No action.</li> </ul>	<ul style="list-style-type: none"> <li>Notify all sensitive receptors in the receiving environment of potential dust impacts.</li> </ul>
OPD Personnel	<ul style="list-style-type: none"> <li>No action.</li> </ul>	<ul style="list-style-type: none"> <li>Where the option of tailings deposition is available i.e. Rosedale, ensure infrastructure is ready and operational.</li> <li>Report and log any changes in dust levels on and around the TSF facilities through to shift supervisor.</li> </ul>	<ul style="list-style-type: none"> <li>Where the option of tailings deposition is available (i.e. Rosedale, Estcourt and TSF Infill), wet TSF surface with tailings.</li> <li>Report and log any changes in dust levels on and around the TSF facilities through to shift supervisor.</li> </ul>

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

Trigger Levels and Action Response Plans			
OFFSITE DUST EVENT			
Responsibilities	Normal	Level 1	Level 2
		Response	Response
OPD Shift Supervisors	<ul style="list-style-type: none"> <li>Adhere to daily plan</li> <li>Continue with TSF inspections</li> <li>Ensure all people are aware of operating procedures</li> <li>Report any unforeseen dust issues..</li> </ul>	<ul style="list-style-type: none"> <li>Notify Superintendent Ore Processing of any changes in dust levels on and around the TSF facilities within 1 hour.</li> <li>Verbally notify oncoming shift supervisor of upcoming dust risk.</li> <li>Make preparations (all materials on hand) to assist with TSF related dust suppression.</li> </ul>	<ul style="list-style-type: none"> <li>AS per Level 1 response</li> <li>Monitor extent and development of dust levels in area.</li> <li>Report to Superintendent Ore Processing.</li> <li>Verbally notify oncoming Shift Supervisor</li> </ul>
Ore Processing Superintendent	<ul style="list-style-type: none"> <li>Adhere to daily plan</li> </ul>	<ul style="list-style-type: none"> <li>Review situation and action required with environmental support</li> <li>Plan and manage operating requirements</li> </ul>	<ul style="list-style-type: none"> <li>Plan and manage appropriate operating requirements and installation of additional support where necessary</li> <li>If forecast is for continued strong wind, notify area manager</li> <li>Review situation and action required with Environment team.</li> <li>Facilitate the operation of tailings deposition</li> </ul>

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 9.5 Community Liaison

NPM recognises that dust generated by mining activities can impact on adjacent properties and communities.

A community relations program (via the Neighbours Meetings and Community Consultative Committee) shall be maintained to ensure two-way communication on air quality management. Neighbours will be notified as soon high risk days are predicted through weekly meteorological assessments.

Prior to construction activities, NPM will contact nearby residents to outline the nature and duration of works and to provide contact details should they have any queries. All dust complaints will be registered, investigated and responded to promptly.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
----------------------	----------------------	-----------------------	-------------------------------

## 10. REPORTING

Air quality monitoring results are reviewed by the Environment Advisor within two weeks of collecting the data and a results summary provided to the Environment Superintendent.

The results of the monitoring program and any complaints received are communicated to relevant personnel and externally communicated through the Annual Review which is made publically available on the website (<http://www.northparkes.com>).

Incident reporting (including any exceedances and complaints) will be in accordance with Condition 7, Schedule 6 of Northparkes Mine Extension Project, Project Approval 11\_00060, and the Procedure Incident Management (DOCID-3-3898).

## 11. REVIEW / CONTINUOUS IMPROVEMENT

NPM will strive to continually improve on the mine's environmental performance by applying the principles of best practice to mining operations, including where cost-effective and practicable, the adoption of new best practice technologies and improved air quality control measures.

The Air Quality 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.

The objectives of a review are:

- to maintain compliance with statutory requirements
- to identify opportunities for improvement in the management plan
- incorporate community considerations

The NPM review will include:

- this Document
- Legislation, Approval, Licence changes
- community complaints and enquiries
- Neighbour Meetings
- Community feedback.

Northparkes will review, and if necessary revise the Air Quality Management Plan within 3 months of:

- the submission of an annual review;
- the submission of an incident report;
- the submission of an audit report; or
- any modification to the conditions of this approval.

Where this review leads to revisions in the Air Quality Management Plan, then within 4 weeks of the review the revised document will be submitted to the Secretary for approval.

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## 12. RELATED DOCUMENTS

Reference	Title	Document Number
	Environmental Monitoring and Measuring Schedule	DOCID-3-3877
	Depositional Dust Monitoring WI	DOCID-3-3879
	High Volume Air Sampling Monitoring WI	DOCID-3-3880
	Heggies Pty Ltd (2007) Northparkes Mines Air Quality and Meteorological Monitoring Programs	
	Minimising Dust Training Module	
	Communication Management Plan	DOCID-3-8945
	Annual Review	
	AS3580.1.1:2007 Methods for sampling and analysis of ambient air. Part 1.1: Guide to siting air monitoring equipment.	
	AS3580.9.3:2003 Methods for sampling and analysis of ambient air. Determination of suspended particulate matter – Total suspended particulate matter (TSP) – High volume sampler gravimetric method	
	AS3580.10.1:2003 Methods for sampling and analysis of ambient air – Determination of particulate matter – Deposited matter – Gravimetric method	
	Northparkes Mines Project Approval 11-0060	
	Corkery, R.W. (2006) Environmental Assessment Northparkes Mines – E48 Project.	
	Heggies Australia Pty Ltd. (2006). Northparkes Mines – E48 Project Air Quality Assessment.	
	Umwelt (2013) Northparkes Mines Step Change Project, Environmental Assessment Vol. 1	DOCID-31-11769
	Umwelt (2013) Northparkes Mines Step Change Project, Environmental Assessment Vol. 2	DOCID-31-11761
	Northparkes Mines Environmental Protection Licence EPL 4784	
	NSW Department of Environment and Climate Change (2005). Approved Methods and Guidance for Modelling and Assessment of Air Pollutants in New South Wales.	
	NSW Department of Environment and Climate Change (2005). Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.	

## 13. DEFINITIONS / ATTACHMENTS

### 13.1 Definitions

#### **TSP**

Total Suspended Particulate matter refers to the total of all particles suspended in the air.

#### **PM10**

a subset of TSP, and includes all particles smaller than 10µm in diameter

#### **Adverse Weather Conditions**

includes moderate wind speeds prevailing from the west to southwest (blowing in the direction of the closest inhabited residences)

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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## Appendix 1 Consultation with Environment Protection Agency (EPA)

**From:** Ramakrishnappa, Bharath (NPM) [<mailto:Bharath.Ramakrishnappa@northparkes.com>]  
**Sent:** Monday, 25 August 2014 2:35 PM  
**To:** Tanswell Bradley; Gibson Michelle  
**Cc:** EPA North Far West Operations Unit Mailbox  
**Subject:** Project Approval 11\_0600 - Management Plans for Approval

Hi Brad,

Northparkes Mines (NPM) submits for your approval the Management Plans (Air, Noise and Blast) as per the requirements in the new Project Approval (11-0600). Please find the management plans in the attached. If you can review and get back with any comments by 5<sup>th</sup> September 2014 it would be appreciated. I would send the Water Management Plan in the next email as it's a large document.

I have also handed the hard copies of the Management Plans to Michelle Gibson.

If you have any questions please contact Michael Priest (Superintendent Environment & Farm) on 02 6861 3264 / [Michael.priest@northparkes.com](mailto:Michael.priest@northparkes.com) as I will away from 28 Aug to 22 September.

Regards  
Bharath



Tue 23/09/2014 2:54 PM

Ramakrishnappa, Bharath (NPM)

RE: Project Approval 11\_0600 - Management Plans for Approval

To  Michelle Gibson

Hi Michelle,

NPM have submitted for your approval the Management Plans (Air, Noise and Blast) on 25 August 2014 for approval. Can we get the comments/feedback for the management plans. If EPA is satisfied with the Management Plans, can we get an letter of approval from EPA for all the management plans.

Regards  
Bharath

Doc ID No. 3-3714	Version No. No.16	Owner PS&E Manager	Next Review Date 31 Oct 19
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northparkes.  
com

**NORTH PARKES MINES**  
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20 August 2014

Mr Bradley Tanswell  
Environment Protection Authority – South West  
PO Box 2111  
DUBBO NSW 2830

Attention: Bradley Tanswell

Dear Bard

**Re: Northparkes Mines Project Approval 11\_0600**

Northparkes Mines (NPM) submits for your approval the Air Quality Management Plan as per the requirements under Schedule 3, Condition 17 of the new Project Approval 11\_0600 outlined below:

*The Proponent shall prepare and implement a Final air quality Management Plan for the project to the satisfaction of the Secretary. This plan must:*

- a) *be prepared in consultation with the EPA, and submitted to the Secretary for approval by 30 June 2014;*

As the Project Approval (11\_0600) was granted on 16 July 2014, the due date for submission of this Management Plan of 30 June 2014 cannot be satisfied.

It would be appreciated if you could provide any comments against the Air Quality Management Plan in writing by Friday 5<sup>th</sup> September 2014. If no comments have been received by this date the Management Plan will be implemented as of 5 September 2014.

If there are any questions with regard to this submission please contact Michael Priest (Superintendent Environment and Farms) on (02) 6861 3264.

We look forward to receive your comments.

Yours faithfully  
NORTH PARKES MINES

ROB CUNNINGHAM  
Manager – Health, Safety, Environment & Farms

Attachments:  
Air Quality Management Plan