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<b>ENVIRONMENTAL MANAGEMENT STRATEGY</b>			


# ESH MANAGEMENT SYSTEM REFERENCE MANUAL

## ENVIRONMENTAL MANAGEMENT STRATEGY

### **Risk Statement: High**

This document will be reviewed every year, unless a process change occurs earlier than this period as the document is a requirement under Development Consent 06-0026.

<b>Date</b>	<b>Revision No</b>	<b>Revision Details</b>	<b>Approved by Manager ESH</b>
10 July 2007	0	Created by Renee Morphett – document established to provide framework for ESHMS and satisfy Dept of Planning Project Approval conditions.	S Alexander
28 August 2007	1	Updated by R Morphett to incorporate comments from Dept of Planning	S Alexander
13 September 2007	2	Updated by R Morphett to incorporate additional comments from Dept of Planning	S Alexander
10 November 2008	3	Updated by R Morphett – minor wording changes only, updated Appendix C & E	S Alexander
12 February 2010	4	Updated by R Morphett – minor wording changes only, updated Appendix B, C & E	K Edwards

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## 1.0 INTRODUCTION

### 1.1 Background

Northparkes Mines (NPM) is a copper-gold mine located approximately 27 kilometres (km) north-northwest of Parkes in central west NSW (Figure 1). NPM is a joint venture between Rio Tinto (80%) and the Sumitomo Group (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, six additional development consents have been issued and have been surrendered to Parkes Shire Council. Combined, these approvals permitted the development and operation of two opencut mines, one underground block cave mine and associated works.

NPM was granted project approval (06-0026) under Section 75J of the *Environmental Planning and Assessment Act 1979* in February 2007 in accordance with the supporting document *Environmental Assessment Northparkes Mines – E48 Project*<sup>1</sup>. This approval permits the ongoing operation of existing activities and the underground E48 extension.

In October 2009, NPM was granted project modifications (Mod 1 and Mod 2) under Section 75W of the EP&A Act in accordance with the supporting documents *Section 75W Environmental Assessment*<sup>2</sup> and *Administration Warehouse Statement of Environmental Effects*<sup>3</sup>, respectively. These approvals permit the 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 extension to mine life to 2025.

### 1.2 Environmental Context

#### 1.2.1 Topography

The mine site is located on the edge of the inland slopes well beyond the Great Dividing Range. The surrounding landscape is generally flat with some low undulations and some higher peaks.


#### 1.2.2 Meteorology

The region experiences a typical arid to semi-arid climate with hot, dry summers and cool winters. Average annual rainfall is 535mm and average monthly rainfall is relatively uniform throughout the year.

<sup>1</sup> R. W. Corkery and Co Pty Ltd. (2006). *Northparkes Mines – E48 Project Environmental Assessment*.

<sup>2</sup> GHD. (2009). *Northparkes Mines Section 75W Environmental Assessment*.

<sup>3</sup> Northparkes Mines. (2009). *Administration Warehouse Statement of Environmental Effects*.

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### 1.2.3 Land Use

Farming (cropping and grazing) is the predominant land use on privately-owned land in the vicinity of the Project.

NPM owns approximately 6,000 ha within and around the project site. The majority of this land acts as a buffer and is used primarily for farming by sustainable agricultural practices in combination with native vegetation (serving as biodiversity offsets and creation of wildlife corridors).

The existing Limestone National Forest is owned by the Department of Primary Industries - Forests.

## 1.3 Regulatory Requirement

This Environmental Management Strategy (the Strategy) has been developed in accordance with Condition 1, Schedule 4 of the Department of Planning (DoP) Project Approval (06-0026). Table 1 indicates where each component of the Condition is addressed within this document.

**Table 1: Environmental Management Strategy Requirements**

Condition	Requirement	Section
1	<p>The Proponent shall prepare and implement an Environmental Management Strategy for the Project to the satisfaction of the Director-General. This strategy must be submitted to the Director-General within six months of this approval, and:</p> <ol style="list-style-type: none"> <li>provide the strategic context for environmental management for the Project;</li> <li>identify the statutory requirements that apply to the Project;</li> <li>describe in general how the environmental performance of the Project would be monitored and managed;</li> <li>describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>keep the local community and relevant agencies informed about the operation and environmental performance of the Project;</li> <li>receive, handle, respond to and record complaints;</li> <li>resolve any disputes that may arise during the course of activities associated with the Project;</li> <li>respond to any non-compliance;</li> <li>manage cumulative impacts;</li> <li>respond to emergencies; and</li> </ul> </li> <li>describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Project.</li> </ol>	<p>Appendix A</p> <p>4.0</p> <p>5.2</p> <p>5.0, 6.0, 7.0</p> <p>6.3.2</p> <p>6.3.3</p> <p>6.3.4</p> <p>7.2</p> <p>6.5.1</p> <p>6.6</p> <p>6.1</p>



**NORTH PARKES**

**ESH MANAGEMENT  
SYSTEM REFERENCE  
MANUAL**

**OBJECTIVE  
NO:  
A484057**

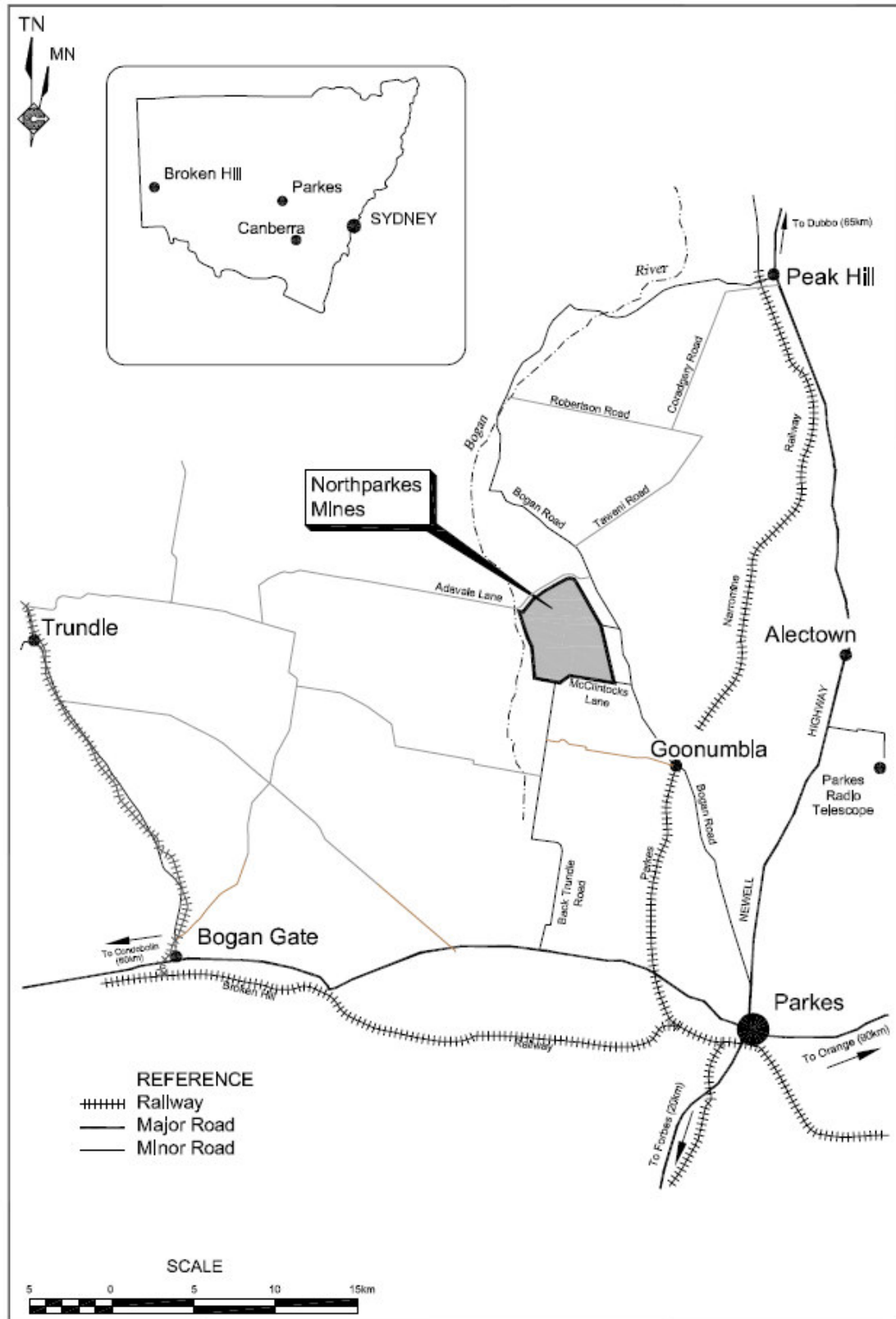
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**Figure 1: Project Location**



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## 2.0 OBJECTIVE

The objectives of the Strategy are to:

- Provide the overall framework for the management of environmental aspects and impacts associated with NPM operations in line with the principles of ISO 14001; and
- Effectively integrate the requirements of the Environmental, Safety and Health Management System (ESHMS) and relevant legal and other requirements into a site-specific document.

## 3.0 SCOPE

This Strategy provides the strategic context for environmental management across the site and is consistent with the ESHMS. The ESHMS is designed primarily to meet the requirements of:

- AS/NZS ISO 14001:2004;
- Rio Tinto Environment Standards; and
- DoP Project Approval 06-0026 (including Mod 1 and Mod 2).

This document is intended to provide a simple directory to the ESHMS in place at NPM and applies to all components of the operations.

## 4.0 ENVIRONMENTAL MANAGEMENT FRAMEWORK

NPM strives for business excellence through its commitment to leading practice in environmental management and performance. Implementation of the Strategy assists in minimising the environmental impacts of mining related activities by facilitating continual improvement in environmental performance.

The Strategy outlines the minimum standard to ensure NPM manages these aspects and impacts in a manner that is planned, controlled, monitored, recorded and audited, using a management system that drives continual improvement.


### 4.1 Environmental Management System

NPM operate and manage their environmental impacts under an ISO 14001 certified environmental management system to encourage rigour and consistency in environmental management across site.

The system (ESHMS) includes: a set of minimum requirements, which are supported by management plans, programs and procedures that apply to operations. These plans, programs and procedures focus on specific aspects of environmental management or potential impact.

The components of the ESHMS that are consistent with the principles of ISO 14001 are detailed in Appendix B.

This Strategy document is based on the existing ESHMS in place across site at NPM.

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## 4.2 Environmental Policy

NPM is committed to meeting the requirements of the Environment, Safety, Health and Community Policy (Appendix C). This policy leads the ESHMS and defines the overall direction for ESH management at NPM.

All activities are conducted in accordance with the ESHC Policy and are aligned with the Rio Tinto Environment Standards.

All inducted personnel are made aware of their responsibilities in relation to the policy and it is made readily accessible through display in prominent locations and on the NPM intranet.

## 5.0 PLANNING

### 5.1 Environmental Aspects and Impacts

The ongoing identification of environmental aspects and impacts is a key component of the ESHMS and in driving the improvement process.

The risks associated with environmental aspects and impacts of each operational area are identified, assessed and managed in consultation with the Environment Section. Risk assessment includes consideration of corporate policy, compliance with legal and other requirements, stakeholder/community issues, severity of consequences and the likelihood of occurrence.

Environmental aspects and impacts risks are reviewed at least annually and at the planning phase of major projects. The Environmental Aspects and Impacts Register is subsequently updated as required in accordance with the Environmental Aspects and Impacts SOP (A185407).


### 5.2 Legal and Other Requirements

NPM commits to complying with all relevant legal and other requirements. This includes all relevant legislation, licences, Company, Australian and International Standards and other requirements.

In order to maintain legal compliance, it is necessary to identify and understand the legal and other requirements applicable to activities at NPM. A register(s) of these legal and other requirements is maintained within the ESHMS in accordance with Element 3 – Compliance Register. The Compliance Register (A418123) details how these requirements apply to the operations environmental aspects.

A summary of approvals and licences is provided in Appendix D, including the government agencies and the applicable legislation.

Periodic evaluations of compliance are undertaken through independent external audits and in the process of producing an Annual Environmental Management Report (AEMR).

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Any non-compliance against NPM operating licence conditions will require a Hazard Incident Accident Suggestion (HIAS) report and Government Notification of Environmental Incident form to be completed that is actioned accordingly.

### 5.3 Objectives, Targets and Improvement Plans

With the aim of continual improvement in ESH performance, annual objectives and targets are developed. Environmental objectives and targets are aligned with the requirements of the environmental policy and are set in consideration of the following:

- Legislation and standards;
- Stakeholder expectations;
- Technological options;
- Significant ESH aspects; and
- Operational impacts.

This process is also linked to the business planning process and facilitates budgeting for environmental improvement projects.

Departmental improvement plans have been established that detail actions against their highest environmental risks as identified within the site Environmental Aspects and Impacts Register. The plans form the basis for budget justifications and resourcing of the high risk impacts. The documentation of these plans outlines not only the required outcomes, but also the department responsibilities and the means and timeframe by which they are to be achieved.

## 6.0 IMPLEMENTATION AND OPERATION


### 6.1 Structure and Responsibility

The General Manager is accountable overall for NPM's environmental performance and will ensure that systems are in place to manage the ESH aspects of operations with particular focus on the significant aspects.

The Environment, Safety, Health, Community and Farm (ESHCF) Manager is the Northparkes management representative accountable for implementation and maintenance of the ESHMS in accordance with legal and other environmental obligations including the requirements of the ESH Policy and the ISO 14001:2004 Standards. The ESH&C Manager is responsible for reporting on the performance of the ESHMS to senior management.

In addition, NPM's Environment Section, led by the ESHCF Manager, provides expertise and services to the operation. The ESHCF Manager is contactable during normal working hours on (02) 6861 3082.

All personnel working for and on behalf of NPM are responsible for environmental risk and impact management in their roles. Details of responsibilities and performance requirements are documented in position descriptions and relevant work procedures within the Document Control System.

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Human resources and specialised skills, organisational infrastructure, technology and financial resources are provided to enable the operations to meet the requirements of the ESHMS.

The NPM management team and ESH department structures are shown in Appendix E.

## **6.2 Training, Awareness & Competence**

All personnel working for or on behalf of Northparkes Mines shall be aware of their environmental responsibilities in relation to the ESHC Policy and ESHMS requirements, consequences of deviating from the policy and procedures, role in emergency response, and the potential and actual environmental impacts of their tasks and roles. Awareness programs may include inductions, training sessions and various multi media communication of environmental information across sites.

All personnel working for or on behalf of Northparkes Mines shall be competent in managing their significant environmental risks by virtue of qualifications, experience or training.

NPM identifies competency requirements based on environmental risks associated with roles and functions of employees within the organisation. To address training requirements training programs are implemented and records are maintained for verification purposes.

## **6.3 Communication**

Effective communication between all key stakeholders is important for the successful implementation and operation of the ESHMS. Specific communication mechanisms are outlined below.

### **6.3.1 Internal Communication**


Channels are maintained at NPM for internal communication of environmental aspects and ESHMS requirements at relevant levels throughout the organisation. These include meetings, regular reporting and training programs.

NPM communicates relevant procedures and requirements to suppliers, customers and contractors via contractual agreements, regular meetings and training programs.

### **6.3.2 External Communication**

At various times specific information, relevant to environmental aspects and impacts, is communicated to external stakeholders, including the community and government authorities. NPM maintains an external communication and complaints system which addresses and records communication from external stakeholders. All external communications are undertaken in accordance with this system.

A Community Consultative Committee has been established to provide a forum for open discussions and feedback between representatives from NPM and residents of the local community. NPM also consults with its immediate neighbours on a six monthly basis.

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The NPM website is a key mechanism for external dissemination of information, it provides stakeholders with readily accessible up-to-date information on NPM and its performance. The website is located at [www.northparkes.com.au](http://www.northparkes.com.au). Copies of DoP approved environmental management plans and programs, quarterly monitoring results summary and the Annual Environmental Management Report (AEMR) as required under Project Approval 06-0026 will be made available.

NPM maintains a 24-hour telephone line (02 6861 3000 – Option 3) to allow a quick and effective response to community concerns in relation to environmental matters.

### **6.3.3 Complaints Management**

Any complaints that are received relating to NPM operations are recorded and actioned in accordance with the Communication Management Plan (A642060). Notification of complaints received are provided to the External Relations Advisor as soon as possible to ensure a timely response. All complaints recorded and outcomes of any investigation findings and corrective actions implemented are reported in the AEMR.

### **6.3.4 Dispute Resolution**

NPM consults regularly with stakeholders to avoid disputes arising through the communication mechanisms outlined above.

In the event that a dispute arises between NPM and a government authority regarding compliance with development consent conditions the matter shall be referred to the Director-General of the DoP for resolution. If not resolved by the Director-General, it will then be referred to the Minister for Planning.


In addition, for any dispute that occurs between NPM and a member of the community that cannot be resolved through direct consultation, the matter will be referred to the relevant government authority for resolution.

## **6.4 Documentation, Document Control & Record Management**

ESHMS documentation and records are prepared and maintained in an orderly manner sufficient to implement the system in accordance with the ISO 14001:2004 Standard.

NPM have established procedures for controlling documents to ensure:

- Periodic review and approval by relevant personnel;
- Current versions of documents are easily located and available in identified locations;
- Obsolete documents are promptly removed from points of issue and use and archived appropriately; and
- Documentation is legible, dated (with dates of revision) and readily identifiable.

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## 6.5 Operational Control

Operational controls are required to be implemented where activities are identified as potentially having environmental impacts and to ensure environmental objectives and targets are met.

A risk assessment process has been established to determine the risk and potential environmental impacts associated with activities. These activities, including associated risks and implemented controls, are documented in the Environmental Aspects and Impacts Register.

Environmental operating procedures, management plans and programs are established, documented and maintained for operational activities to minimise risks and reduce the potential environmental impact(s) identified.

NPM has developed standard environmental operating practices to reduce, minimise or eliminate potential environmental impacts across the operation. These procedures, management plans and programs include but are not limited to:

- Air Quality;
- Water Management
- Noise
- Mineral and Non-Mineral Waste Management;
- Land Management and Rehabilitation;
- Greenhouse Gas and Energy Management;
- Hazardous Substances; and
- Mine Closure


Operating procedures are reviewed on a regular basis, and revised as appropriate, to ensure all significant aspects of the operation are appropriately controlled. New procedures will be developed on an as needs basis.

All personnel working for or on behalf of NPM shall be aware of the relevant operating procedures when undertaking their day to day duties. Responsibility will be delegated to the most effective level of supervision to ensure compliance.

### 6.5.1 Cumulative Impacts

Potential cumulative impacts have been identified and assessed in the NPM E48 Project - Environmental Assessment, Section 75W Environmental Assessment and Administration Warehouse Statement of Environmental Effects. Appropriate control measures proposed in these Environmental Assessments will be incorporated into the various environmental management plans and monitoring programs and these impacts managed in accordance with Section 6.5.

A number of monitoring programs will be established to allow for the measurement of key potential cumulative impacts as identified in Section 7.1. These programs stipulate

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monitoring locations, frequency, impact assessment criteria (where required) and sampling methods.

## 6.6 Emergency Preparedness & Response

Effective plans, procedures and trained personnel are in place to identify potential emergency scenarios and to plan an appropriate response for the control and recovery from emergencies. Where appropriate, environmental emergency response procedures are integrated with onsite emergency response plans.

An Emergency Response Team trained to respond to emergency situations and accidents is maintained onsite.

Employees are made aware of the potential emergency situations and their responsibilities should the event occur.

## 7.0 CHECKING AND CORRECTIVE ACTIONS

### 7.1 Monitoring & Measurement

Activities that have the potential to result in significant impacts (such as the release of contaminants) are identified in the risk assessment process. Procedures for monitoring and measuring performance, operational controls and conformance with environmental objectives and targets are documented.


The environmental monitoring program, coordinated by the Environment Section, is undertaken by appropriately trained personnel. The Environmental Monitoring Program SOP (A480499) consolidates the requirements for all environmental monitoring conducted onsite.

A number of monitoring programs will be established to allow for the measurement and management of key potential cumulative impacts as identified in Section 6.5.1 as follows:

- Air Quality
- Noise
- Surface Water
- Groundwater
- Rehabilitation

Monitoring procedures and equipment calibration techniques adopted comply with recognised Australian Standards and external criteria where applicable. External services employed for laboratory analysis of critical data are NATA accredited where applicable.

Monitoring data will be regularly assessed to ensure that any trends indicating potential environmental impact are identified. In accordance with Condition 10, Schedule 4 of Project Approval (06-0026) a summary of monitoring results will be made publicly available at the mine and on the website and updated on a quarterly basis.

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An AEMR that details the environmental performance of the previous year is prepared and submitted to all relevant stakeholders.

## 7.2 Non Conformance, Corrective & Preventative Action

Non-compliances may be identified by a range of mechanisms including:

- Review of monitoring results;
- Complaints;
- Site inspections;
- Audits; and
- Incident reports.

Incidents and near misses at NPM are reported internally through the site incident reporting and investigation process, which is supported by a database to manage the system.

Incident investigations and corrective actions are conducted and authorised by designated personnel. The degree of involvement of the environmental function depends on the nature and scale of the incident.

At a minimum all environmental incidents obtain recommendations for corrective and preventative actions prior to close out of the incident. All corrective actions for non-conformance findings from audits and inspections are actioned through the Ellipse work order system.

Any non-compliance against NPM operating licence conditions is reported internally and externally. Incident reporting will be in accordance with Condition 3, Schedule 4 of Project Approval (06-0026) and in line with the Mini HS and HIAS Reporting and Recording Standard (A139552).


Non-compliance incidents that are reportable to government departments are also reported to Rio Tinto and Joint Venture partners as they may have the potential to impact upon the business.

The frequency and severity of incidents and non-conformances are used in the Management Review process for determining the effectiveness of the ESHMS.

## 7.3 ESHMS Inspections and Auditing

Regular environmental inspections of operations are conducted. These inspections determine, in conjunction with the environmental monitoring and incident reporting procedures, onsite compliance with the ESHMS.

NPM's internal auditing program is designed to assess whether the ESHMS is effectively implemented and maintained and conforms to legal and other requirements. An annual schedule specifies the audit team, frequency and scope of internal audits. Audit reports are presented at the ESH Policy meeting for management review and sign off.

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An Independent Environmental Audit will be undertaken within one year of project approval, and every three years thereafter (unless the Director-General directs otherwise) in accordance with Schedule 4, Condition 5 of Project Approval (06-0026). This audit will be conducted by suitably qualified, experienced and independent expert/s whose appointment has been endorsed by the Director-General.

All corrective actions for non-conformance findings from audits and inspections are actioned through the Ellipse work order system.

## **8.0 MANAGEMENT REVIEW**

The Northparkes Management team is responsible for ongoing review of the effectiveness of the ESHMS and continuous improvement of the ESHMS.


The review addresses the possible need for changes to policy, objectives, and other elements of the ESHMS, in light of system audit results, changing circumstances and the commitment to continual improvement.

The management review ensures that the necessary information is collected to allow management to carry out the review and document findings in the meeting minutes.


### **8.1 Strategy Review**

This Strategy will be reviewed and updated on an annual basis.

In addition, this Strategy will be reviewed within six months of an Independent Environmental Audit in accordance with Condition 5, Schedule 4 of Project Approval (06-0026).

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## APPENDIX A REGULATORY CORRESPONDENCE

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NSW GOVERNMENT  
**Department of Planning**

Mr Stephen Alexander  
Manager ESH & Community Relations  
Northparkes Mines  
PO Box 995  
PARKES NSW 2870

Contact: David Kitto  
Phone: 02 9228 6487  
Fax: 02 9228 6466  
Email: [david.kitto@planning.nsw.gov.au](mailto:david.kitto@planning.nsw.gov.au)  
Our ref: 9036747-3  
Your ref:

Dear Mr Alexander,

**Northparkes Mines – Environmental Management Strategy**

Reference is made to your letter of 30 August 2007 in which you have provided an amended version of the Northparkes Mines Environmental Management Strategy following the Department of Planning's comments made on 7 July 2007. The strategy is a requirement contained in the Minister for Planning's 28 February 2007 approval for the Northparkes Mines.

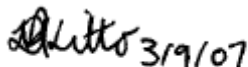
The strategy, entitled *ESH Management System Reference Manual – Environmental Management Strategy* (revision 1, dated 28 August 2007), is satisfactory provided the following matters are incorporated:

- The 24 hours telephone number referenced in section 6.3.2 is included; and
- Appendix E is revised to include the names and contact details of the personnel filling each of the positions.

The Environmental Management Strategy is approved providing the matters outlined above are incorporated.


If you have any enquiries please contact Paul Weiner on 9228 6339.


Yours sincerely



David Kitto  
**Director**  
**Major Development Assessment**  
As delegate for the Director-General



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Objective No: A118927  
 ESHMS No: 9.400.H  
 ESHMS SOP/Std No: ESHF400.11  
 Page: 1 of 1  
 Revision No: 3

### EXTERNAL COMMUNICATION RECORDING FORM

IN / **OUT**

Date 12/09/07 Time midmorning am / pm

**DETAILS OF PERSON SPOKEN WITH**

Name Paul Weiner

Location (if relevant) Dept of Planning Sydney Phone No 92286339

Method of Communication (circle): **Phone** / Personal Communication / Fax / Letter

**DETAILS OF COMMUNICATION**

Discussion with Paul Regarding letter dated 3/09/07 regarding 2 datapoints concerning contact details .

---

**ANY ACTION (Responsibility / Date)**

Renee Morphet : Update EMS document and prepare a separate memo with particular contact details on it .

---

**OUTCOME** Paul Weiner agreed that :


- 1) Agreed that NAM 24 hour hotline number would be included .
- 2) Agreed that a separate memo with manager contact details would be provided to DOP rather than displayed in EMS document .

NAME (Person receiving/making call) Kerrie Edwards


SIGNATURE K Edwards DATE 14-09-07

Original Distribution: ELS / AJR / RCM / ASR / GJM / MS / Exploration (if relevant) / LC (file)

FORM APPROVED BY ESH MANAGER: P Power DATE: 11/09/06  
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**APPENDIX B**  
**COMPONENTS OF THE NPM ESHMS CONSISTENT WITH**  
**ISO 14001 REQUIREMENTS**


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### Components of the NPM ESHMS consistent with the principles of ISO 14001


ISO 14001:2004 Reference		ESHMS Elements	Relevant Documentation
4.2	Environmental Policy	1 – ESH Policies	NPM Environmental, Safety, Health and Community Policy (A314031) Rio Tinto The Way We Work
4.3.1	Environmental Aspects	2 – ESH Effects and Hazards	Environmental Aspects and Impacts Register (A194852) Environmental Aspects and Impacts Standard Operating Procedure (A185407) Hazard and Risk Management Standard (A238190) Job Safety Analysis Risk Assessment SOP (A238198) TRACK Risk Assessment SOP (A238656)
4.3.2	Legal and other requirements	3 – Compliance Register	Compliance Register (A418123) Annual Environmental Management Reports (fB43639) Mini HS and HIAS Reporting and Recording Standard (A139552) HIAS and Mini HS Reporting and Investigation Guideline (A117127)
4.3.3	Objectives, targets and programme(s)	4 – ESH Management and Improvement	Environmental Objectives and Targets (fB274) Departmental Improvement Plans (fA90494) Environmental Aspects and Impacts Register (A194852)
4.4.1	Resources, roles and responsibility and authority	5 – Organisation, Roles and Responsibilities	Northparkes Mines Organisational Chart ESH Accountabilities SOP (A307771) Individual Role Descriptions
4.4.2	Competence, training and awareness	6 – Selection, Training, Awareness and Competence 16 - Records	Inductions and Training Modules (fB300) High Risk Environmental Tasks Training Matrix (within ESH Accountabilities SOP A307771) Training Systems Management Plan (A459756) Training Records Individual Role Descriptions
4.4.3	Communication	7 – Communication, Motivation and Involvement	Communication Management Plan (A642060) External Communication Recording Form (A118927) Mini HS and HIAS Reporting and Recording Standard (A139552)
4.4.4	Documentation	8 – System Documentation and Document Control 16 – Records	ESH Management System (fA60057) Creation or Review of a Controlled ESH Document (A169262) SOP and Document Control Index (A169261) Hardcopy Documentation Archiving SOP (A239712) Environmental Records Management SOP (A261416)
4.4.5	Control of documents	Refer to 4.4.4	
4.4.6	Operational Control	9 – Operational Control	Environmental Aspects and Impacts Register (A194852)

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ISO 14001:2004 Reference		ESHMS Elements	Relevant Documentation
		11 – Contractors and Support	ESH Forms (fB540) Management Plans (fA60144) Standard Operating Procedures (fA79116)
4.4.7	Emergency preparedness and response	10 – Emergency Response	Emergency Management Plan (A46807) Disaster Management and Recovery Plan (A324393) Hazardous Substances and Contamination Control Management Plan (A211460) Spill Response SOP (A164562)
4.5.1	Monitoring and measurement	15 – Monitoring, Reporting and Corrective Action	Environmental Aspects and Impacts Register (A194852) Environmental Data Collection SOP (A270948) Environmental Monitoring Program SOP (A480499) Acquire environmental monitoring database
4.5.2	Evaluation of compliance	Refer to 4.3.2	
4.5.3	Nonconformity, corrective action and preventive action	7 – Communication, Motivation and Involvement	Mini HS and HIAS Reporting and Recording Standard (A139552) Government Notification of Environmental Incident form (A408458) HIAS and Mini HS Reporting and Investigation Guideline (A117127) Monthly Operations Report (fA17019) Ellipse database
		15 – Monitoring, Reporting and Corrective Action	
4.5.4	Control of records	Refer to 4.4.2 and 4.4.4	
4.5.5	Internal audit	17 – Performance, Audit and System Review	Internal ESH Auditing SOP (A298223) Auditing and Reporting Program (A526988) ESH Site Inspections SOP (A216220) ESH Inspection roster (fA126285) ESH Policy Meeting Minutes (fA122397) Ellipse database
4.6	Management review	7 – Communication, Motivation and Involvement	Communication Management Plan (A642060) ESH Accountabilities SOP (A307771) Northparkes Management Team Meetings (fA1004)
		17 – Performance, Audit and System Review	

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**APPENDIX C**  
**ENVIRONMENT, SAFETY, HEALTH AND COMMUNITY**  
**POLICY**

 <b>NORTH PARKES</b>	<b>ESH MANAGEMENT SYSTEM REFERENCE MANUAL</b>	<b>OBJECTIVE NO: A484057</b>	<b>ORIGINAL ISSUE DATE: 9 JULY 2007</b>
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Objective No: A314031  
 ESHMS No: 1.400.A  
 ESHMS SOP/Std No: ESHP400.2  
 Page: 1 of 1  
 Revision No: 5

*Northparkes is an unincorporated Joint Venture between Rio Tinto (80%) and Sumitomo (20%). Northparkes is a copper/gold mine operating 27km outside of Parkes in central west New South Wales. Since 1994 Northparkes has been operating underground and open pit mines including a processing plant which produces a high grade copper concentrate.*

## Environment, Safety, Health and Community Policy

**We at Northparkes are committed to:**

- Reducing hazards in our business that could cause illness or injury to people, damage to property or unacceptable impacts on the environment.
- Ensuring all employees and contractors meet their environmental, safety and health obligations.
- Eliminating and/or mitigating short and long term safety, health, environmental, economic and community impacts arising from our operations.
- Engaging our stakeholders openly and honestly, and committing to building long term relationships based on the values of mutual respect, trust and sustainable development.
- Maintaining a strong social licence to operate


**We will demonstrate this commitment by:**

- Integrating Environment, Safety and Health (ESH) management into all activities.
- Striving for best practice in our ESH performance in order to achieve our goal of zero injuries, illnesses and the prevention of pollution.
- Complying with or bettering the requirements of all relevant Federal, State and Local laws, regulations, standards and Company requirements.
- Providing robust, effective and simple systems to manage ESH risks.
- Training employees and contractors to be aware of their ESH responsibilities and to be able to recognise the potential impact of their activities.
- Ensuring open and honest communication and consultation with stakeholders on all relevant ESH information and issues.
- Measuring, monitoring and reviewing ESH objectives, targets and performance, with records maintained and results reported to management, relevant authorities and other stakeholders.
- Ensuring procedures for the purchase or supply of goods and services include ESH requirements consistent with our management principles.
- Ensuring all persons working for or on behalf of Northparkes comply with our ESH standards and requirements.
- Ensuring that incidents affecting the well-being of our employees, contractors, community and other stakeholders are effectively investigated, actions are put in place to prevent re-occurrence and are managed to minimise adverse effects.
- Investing, actively participating and working with our local communities.
- Maintaining an open door to concerned community groups and actively encouraging feedback on our performance.
- Respecting the culture, customs and rights of the traditional owners, the Wiradjuri people.


*This policy is reviewed annually*

**C L STEGMAN  
GENERAL MANAGER**

OCTOBER 2009

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## APPENDIX D SUMMARY OF APPROVALS AND LICENCES

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### Summary of Approvals and Licences

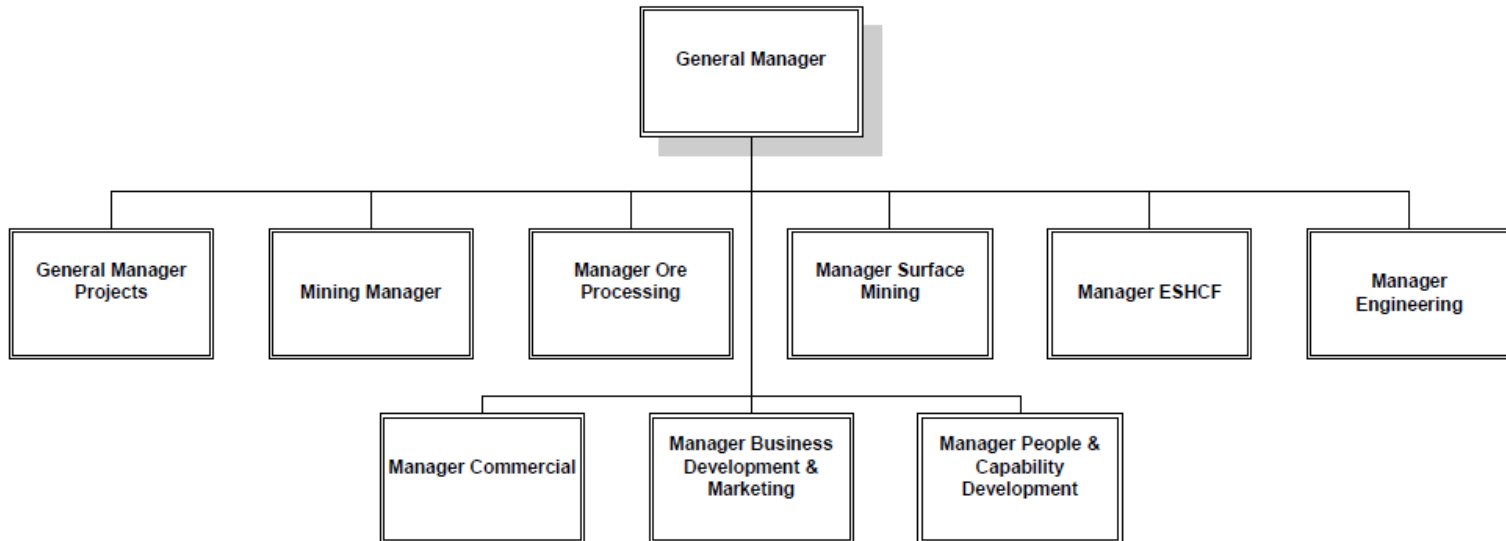
Approval or Licence	Relevant Authority or Stakeholder	Relevant Legislation, Policy and Guidelines
Development Consent	DoP (and other agencies as required)	<i>Environmental Planning and Assessment Act 1979</i> <i>Environmental Planning and Assessment Regulation 2000</i>
Environment Protection Licence	Department of Environment and Climate Change (DECC)	<i>Protection of the Environment Operations Act 1997</i> <i>Protection of the Environment Operations (Noise Control) Regulation 2000</i> Australian Water Quality Guidelines for Fresh and Marine Waters (ANZECC and ARCMANZ, 2000) Managing Urban Stormwater: soils and Construction (Landcom, 2004) Industrial Noise Policy (EPA 2000) Environmental Noise Control Manual (EPA 1998) Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Over Pressure and Ground Vibration (ANZECC 1990)
Permits to construct levees and licences to extract/access water	NSW Office of Water	<i>Water Act 1912 (Part 8 and Part 5)</i> <i>Water Management Act 2000</i>
Mining Lease (inc. Mining Operations Plan)	Department of Industry and Infrastructure – Mineral Resources	Mining Act 1992 Guidelines for the Preparation of Mining Operations Plans (DMR 1998)
Consent to destroy Aboriginal sites	DECCW, relevant Aboriginal groups*	National Parks and Wildlife Act 1974 Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS 1997)
Approval to construct a building or structure	Parkes Shire Council	<i>Environmental Planning and Assessment Act 1979</i>
Exchange of land dedicated as State Forest and Permits	Department of Industry and Infrastructure – Forests	<i>Forestry Act 1916</i>


\* Subject to confirmation in individual projects.

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**APPENDIX E**  
**NPM MANAGEMENT TEAM AND ESH DEPARTMENT**  
**STRUCTURES**

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