

**THIS DOCUMENT**

This document has been produced by the Office of the Appeals Convenor as an electronic version of the original Statement for the proposal listed below as signed by the Minister and held by this Office. Whilst every effort is made to ensure its accuracy, no warranty is given as to the accuracy or completeness of this document.

The State of Western Australia and its agents and employees disclaim liability, whether in negligence or otherwise, for any loss or damage resulting from reliance on the accuracy or completeness of this document. Copyright in this document is reserved to the Crown in right of the State of Western Australia. Reproduction except in accordance with copyright law is prohibited.

Published on: 4 October 2012

Statement No. 911

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED  
(PURSUANT TO THE PROVISIONS OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

**BARRAMBIE VANADIUM PROJECT  
SHIRES OF MEEKATHARRA AND SANDSTONE**

**Proposal:** To develop an open-cut vanadium mine and process plant at Barrambie, 75 kilometres north-west of the Sandstone townsite and 116 kilometres south-east of Meekatharra.

**Proponent:** Reed Resources Ltd  
Australian Company Number 099 116 631

**Proponent Address:** 97 Outram Street,  
WEST PERTH WA 6005

**Assessment Number:** 1724

**Report of the Environmental Protection Authority:** Report 1446

This Statement authorises the implementation of the proposal described and documented in Columns 1 and 2 of Table 2 of Schedule 1. The implementation of the proposal is subject to the following implementation conditions and procedures and Schedule 2 details definitions of terms and phrases used in the implementation conditions and procedures.

**1 Proposal Implementation**

1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Column 3 of Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal has been approved under the EP Act.

## **2 Contact Details**

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within 28 days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

## **3 Time Limit of Proposal Implementation**

- 3-1 The proponent shall not commence implementation of the proposal after the expiration of 5 years from the date of this statement, and any commencement, within this 5 year period, must be substantial.
- 3-2 Any commencement of implementation of the proposal, within 5 years from the date of this statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of 5 years from the date of this statement.

## **4 Compliance Reporting**

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.
- 4-2 The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least six months prior to the first compliance report required by condition 4-6, or prior to implementation, whichever is sooner.

The compliance assessment plan shall indicate:

- 1 the frequency of compliance reporting;
  - 2 the approach and timing of compliance assessments;
  - 3 the retention of compliance assessments;
  - 4 the method of reporting of potential non-compliances and corrective actions taken;
  - 5 the table of contents of compliance assessment reports; and
  - 6 public availability of compliance assessment reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.

- 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance assessment report.

The compliance assessment report shall:

- 1 be endorsed by the proponent's Managing Director or a person delegated to sign on the Managing Director's behalf;
- 2 include a statement as to whether the proponent has complied with the conditions;
- 3 identify all potential non-compliances and describe corrective and preventative actions taken;
- 4 be made publicly available in accordance with the approved compliance assessment plan; and
- 5 indicate any proposed changes to the compliance assessment plan required by condition 4-1.

## **5 Public Availability of Data**

5-1 subject to condition 5-2, within three months of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps) relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contains particulars of:  
i. a secret formula or process; or  
ii. confidential commercially sensitive information,

the proponent may submit a request for approval from the CEO to not make this data publically available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publically available.

## 6 Fauna

6-1 The proponent shall ensure that open trenches associated with construction of the water supply pipelines are cleared of trapped fauna by fauna-rescue personnel at least twice daily. Details of all fauna recovered shall be recorded, consistent with condition 6-5. The first daily clearing shall be completed no later than three hours after sunrise and shall be repeated between the hours of 3:00pm and 6:00pm.

The open trenches shall also be cleared, and fauna details recorded, by fauna-rescue personnel no more than one hour prior to backfilling of trenches.

Note: "fauna-rescue personnel" means employees of the proponent whose responsibility it is to walk the open trench to recover and record fauna found within the trench.

6-2 The fauna-rescue personnel shall obtain the appropriate licences required for fauna rescue under the *Wildlife Conservation Act 1950* and be trained in the following:

1. fauna identification, capture and handling (including specially protected fauna and venomous snakes likely to occur in the area);
2. identification of tracks, scats, burrows and nests of conservation-significant species;
3. fauna vouchering (of deceased animals);
4. assessing injured fauna for suitability for release, rehabilitation or euthanasia;
5. familiarity with the ecology of the species which may be encountered in order to be able to appropriately translocate fauna encountered; and
6. performing euthanasia.

6-3 Open trench lengths shall not exceed a length capable of being inspected and cleared by the fauna-clearing personnel within the required times as set out in condition 6-1.

6-4 Ramps providing egress points and/or fauna refuges providing suitable shelter from the sun and predators for trapped fauna are to be placed in the trench at intervals not exceeding 50 metres.

6-5 The proponent shall produce a report on fauna management within the open trenches associated with construction of the water supply pipeline at the completion of pipeline construction. The report shall include the following:

1. details of all fauna inspections;

2. the number and type of fauna cleared from trenches;
3. fauna mortalities; and
4. all actions taken.

The report shall be provided to the CEO and the Department of Environment and Conservation no later than 21 days after the completion of pipeline construction, and shall be made publicly available in a manner approved by the CEO.

## **7 Groundwater drawdown-Cogla Downs Calcrete Aquifer and management of stygofauna**

- 7-1 The proponent shall ensure that at least 75% of the thickness of the Cogla Downs calcrete aquifer remains saturated at the points of water abstraction for the first five years of operation of the borefield and that over the life of the project the saturated thickness of the aquifer across the area of investigations, as determined by 7-3, does not fall below 50%.
- 7-2 Prior to groundwater abstraction from the Cogla Downs calcrete aquifer for mining purposes the proponent shall determine and agree the dimensions of the Cogla Downs calcrete aquifer to be used for calculating the 75% and 50% saturation levels of the aquifer in consultation with the Department of Water.
- 7-3 Prior to groundwater abstraction, unless otherwise approved by the CEO, the proponent shall prepare a Groundwater Drawdown Monitoring and Management Plan to limit potential impacts on stygofauna through the design and implementation of a suitable monitoring and trigger level system for the borefield area. The Groundwater Drawdown Monitoring and Management Plan shall include:
  1. a system of monitoring bores to measure groundwater levels;
  2. monitoring frequency;
  3. trigger levels to ensure that the requirements of condition 7-1 are met; and
  4. management responses should trigger levels be exceeded.
- 7-4 Prior to groundwater abstraction the proponent shall implement the approved Groundwater Drawdown Monitoring and Management Plan of condition 7-3, until otherwise advised by the CEO.
- 7-5 Should the results of monitoring from the implementation of the approved Groundwater Drawdown Monitoring and Management Plan show that trigger levels identified in condition 7-3(3) have been reached or exceeded, the proponent shall provide a report to the CEO within 21 days of the trigger levels being reached or exceeded which:

1. describes the event resulting in the trigger levels being reached or exceeded;
  2. provides information which allows determination of the likely root cause of the trigger levels being reached or exceeded; and
  3. if considered likely to be the result of activities undertaken in implementing the proposal, proposes the management responses and associated timelines to remediate the exceedance.
- 7-6 The proponent shall, implement the management responses identified pursuant condition 7-5 (3) until the CEO determines that the remedial actions may cease.

[Signed 3 October 2012]

**HON BILL MARMION MLA  
MINISTER FOR ENVIRONMENT; WATER**

## The Proposal (Assessment No. 1724)

Table 1 Summary of the Proposal

<b>Proposal title</b>	Barrambie Vanadium Project
<b>Short description</b>	<p>To develop and operate an open-cut vanadium mine and process plant 75 kilometres northwest of Sandstone townsite and 116 kilometres southeast of Meekatharra. It includes waste dumps, a tailings storage facility, and mine infrastructure (offices, workshop, accommodation, water pipeline, roads, airstrip).</p> <p>The location of the various project components is shown in Figure 1.</p> <p>The main characteristics of the proposal are summarised in Table 1 below. A detailed description of the proposal is provided in Section 2 of the project referral document, <i>Barrambie Vanadium Project</i>, prepared by Reed Resources Ltd, Perth, Western Australia (June 2010).</p>

Table 2: Location and authorised extent of physical and operational elements

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<b>Element</b>	<b>Location</b>	<b>Authorised Extent</b>
1. Mine	Figure 1	Clearing of up to 290 hectares
2. Associated infrastructure	Figure 1	Clearing of up to 646 hectares
3. Waste rock landform	Figure 1	Clearing up to 516 hectares
4. Tailings storage facility	Figure 1	Clearing up to 231 hectares
5. Water pipeline corridor	Figure 1	Clearing up to 7 hectares
6. Haul roads	Figure 1	Clearing up to 84 hectares
7. Discharge of waste	Tailings storage facility, Figure 1	19,000,000 cubic metres
8. Pit dewatering	Figure 1	Up to 2400 kilolitres per day
9. Borefield water demand	Figure 1	2.5 gigalitres per annum

**Figure (attached)**

Figure 1 Indicative project layout.

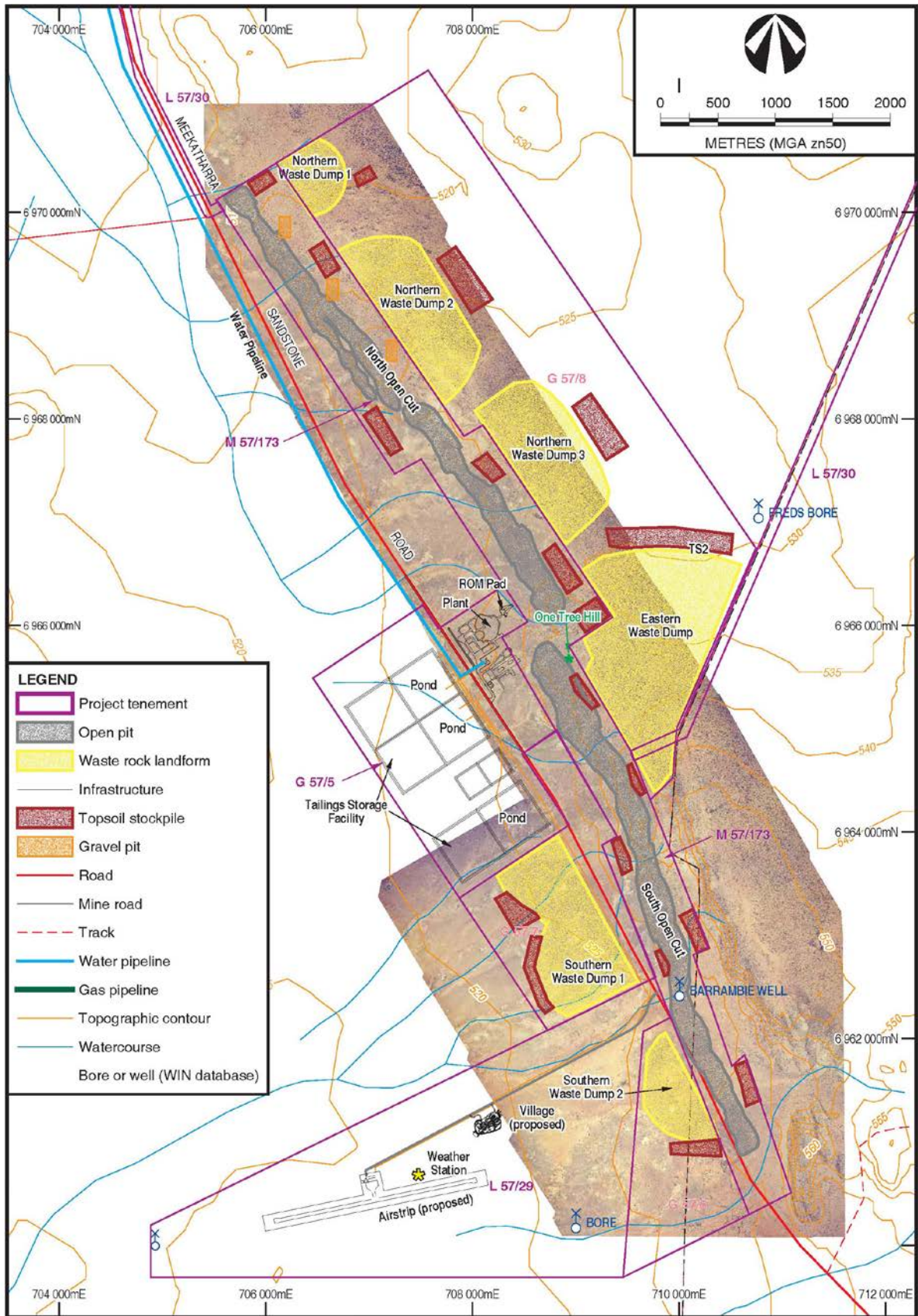


Figure 1 Indicative project layout



Term or Phrase	Definition
Approved Groundwater Drawdown Monitoring and Management Plan	The Groundwater Drawdown Monitoring and Management Plan for which the proponent has received written notification from the CEO that it meets the requirements of condition 7-3.
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or his delegate.
EP Act	<i>Environmental Protection Act 1986</i>