



MINISTER FOR ENVIRONMENT

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

SILICA SAND PROJECT, GNANGARA

SILICA SALES PTY LTD

This proposal may be implemented subject to the following conditions:

1. The proponent adhering to the proposal as assessed by the Environmental Protection Authority and fulfilling the commitment given for environmental management. (Copy of commitments attached.)
2. The proponent shall ensure that all waste oils and vehicle washdown water is collected and treated, or disposed offsite, to the satisfaction of the Water Authority of Western Australia.
3. The proponent shall construct and operate all fuel storage facilities in accordance with the requirements of the Water Authority of Western Australia.
4. The proponent shall submit brief annual reports to the satisfaction of the Department of Mines describing rehabilitation programmes and summarising monitoring results with respect to environmental management programmes adopted for the project.
5. Rehabilitation on private land be to an end land use agreed with the land owner, provided that the proponent shall ensure that disturbed areas are left in a condition acceptable to the Environmental Protection Authority.
6. Prior to commissioning, a dust management programme be developed by the proponent to control dust migration from unstabilised operations areas, to the satisfaction of the Department of Mines. This programme shall include a proposal to install an appropriate dust suppression system such as a mobile water cannon to control dust during adverse weather conditions.

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7. The proponent shall not carry out processing activities or place electrical equipment or power lines within 500 metres of the Gngangara Magnetic Observatory, for such a period that the Magnetic Observatory is in operation.
8. In order to reduce the effects of vibration and magnetic disturbances on the Gngangara Magnetic Observatory, the proponent shall ensure that mining and heavy vehicle access to and from the project is kept at a distance of at least 200 metres from the Gngangara Magnetic Observatory. (Except for the intrusion caused by the current alignment of Gaskell Avenue.)
9. If, following detailed testing (by the operators of the observatory) it is shown that the vibration and magnetic disturbances associated with the proposal are unacceptable, the Environmental Protection Authority shall modify the requirements of conditions 7 and 8 to ensure that the integrity of the observatory is maintained.

Barry Hodge MLA
MINISTER FOR ENVIRONMENT

- 6 MAY 1988

ENVIRONMENTAL MANAGEMENT COMMITMENTS

The Company undertakes to carry out a management programme which may be broadly summarised as follows:

- . The location of ground water production bores and design of the well field will be determined through liaison with the Water Authority. It is anticipated that a licence will be required and that there may be a condition on the maximum allowable production rate.
- . The location and design of the septic tank and soil absorption system for the ablution block will be determined in conjunction with the Water Authority and the installation will be maintained in accordance with the appropriate by-laws.
- . Detailed "Working Arrangements" will be prepared in conjunction with CALM which will define management techniques to be adhered to during the mining operation. These will include rehabilitation of excavated pits. Plans for rehabilitation trials are already in progress and there is on-going discussion with CALM personnel.
- . In general terms the objectives of the rehabilitation programme will be:
 - (i) stabilisation of the surface sands against erosion;
 - (ii) minimisation of disturbance to the hydrological balance within the proposed lease area and adjacent land, and
 - (iii) establishment of a diverse, effective and permanent vegetation cover capable of plant succession and regeneration to suit the present priority land use of water production.
- . Compliance with the requirements of all applicable Acts and Regulations.
- . Conduct routine monitoring of groundwater levels and report results to the Water Authority of Western Australia on a regular basis.
- . Establish trials incorporating the use of fine tailings material in surface soils to assess suitability for rehabilitation.
- . Ensure that areas affected by mining are left in an environmentally acceptable condition in the event of early closure of operations.
- . Apply appropriate measures for the control of dieback according to "Working Arrangements" to be developed in conjunction with the Department of Conservation and Land Management".
- . Undertake vegetation surveys prior to clearing new areas for mining with respect to rare plant species.
- . Maintain an internal environmental management which will routinely conduct technical work to the standard and detail required by relevant government agencies.

Attachment 1 to Statement 024

Change to Proposal

Proposal: Silica Sand Project Gngangara

Proponent: Rocla Pty Limited

Change:

Components of original Proposal as implemented:

Element	Quantities/Description
Silica sand project - Gngangara	
<i>Project Area (NB. Not specified in Statement 024 but evident from the proposal map contained in the Proponent's environmental report)</i>	540ha Crown Land, 120ha private land

Components of changed Proposal:

Component	Quantities/Description
Silica sand project, Gngangara	
<i>Project Area</i>	540ha Crown Land

**Approved under delegation
from Minister for the Environment:**

Approval Date: 8.5.08

Attachment 2 to Ministerial Statement 024

Change to Proposal

Proposal: Silica Sand Project, Gngangara Part 2: Lot 5892 Maralla Road
Bullsbrook M70/326

Proponent: Urban Resources Pty Ltd

Change: A second proponent, Urban Resources Pty Ltd, to operate an additional sand quarry and processing works under Statement 024 on lot 5892 Maralla Road.

Note: Lot 5892 Maralla Road was removed from Statement 024 under section 45C on 8 May 2008. The present 45C process reinstates Lot 5892 Maralla Road as part of Statement 024 and nominates Urban Resources Pty Ltd as the proponent for this piece of land only. Rocla Pty Limited remains the proponent for the remainder of the land under Statement 024.

Components of changed project: proponent: Urban Resources Pty Ltd

(Refer to Attachment 1 for key characteristics table for remainder of proposal)

Element	Quantities / Description
Silica Sand Project - Gngangara	
Project area (NB: not specified in Statement 024 but evident from the proposal map contained in the original proponent's environmental report).	120 hectares private land.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 20 January 2011