



Ass # 640

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State # 222

WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

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

**EXTENSION, CLEAN-UP & REHABILITATION OF MINERAL SANDS MINE,
WONNERUP (640)**

CABLE SANDS (WA) PTY LTD

This proposal may be implemented subject to the following conditions:

1. Proponent Commitments

In implementing the proposal, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement) made in the Consultative Environmental Review. (A copy of the commitments is attached).

2. Implementation

Subject to these conditions, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

3. Water Quality

The quality of the surface water and the groundwater should be maintained.

Prior to mining, the proponent shall prepare a plan to monitor and manage surface water and groundwater quality in and adjacent to the mining area, to the satisfaction of the Minister for the Environment on advice of the Water Authority of Western Australia. This plan shall include, but not necessarily be limited to:

- (1) the proponent's commitments for monitoring and reporting; and
- (2) remedial strategies to be implemented in the event of a deterioration of water quality in the monitored areas.

4. Noise Levels

4-1 The proponent shall ensure that the noise emissions from the project do not cause or contribute to noise levels in excess of:

- 50db(A) slow from 7am to 7pm Monday to Saturday inclusive, but excluding gazetted public holidays;
- 40db(A) slow from 10pm to midnight and from midnight to 7am every day;
- and
- 45db(A) slow at all other times;

when measured:

- (1) at any point on or adjacent to other premises not occupied by the proponent and used for residential or other noise-sensitive purposes; and

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(2) at a height between 1.2 and 1.5 metres above ground level and at a distance greater than 3.5 metres from any reflecting surface other than the ground.

- 4-2 Where the combined level of the noise emissions from the project and the normal ambient noise exceeds the levels specified in condition 4-1, this condition shall be considered to be contravened only when the following criteria are also met at the measurement point:
- the noise emissions from the premises are considered to be audible by the Environmental Protection Authority; and
 - the noise emissions from the premises are identifiable by the Environmental Protection Authority as emanating from the project.
- 4-3 Noise emissions shall not cause unacceptable annoyance due to tonal or impulsive components. These characteristics shall be assessed by the Environmental Protection Authority.
- 4-4 The proponent shall conduct noise surveys to the satisfaction of the Environmental Protection Authority.

5. Rehabilitation

Rehabilitation is an integral part of the project and requires management throughout the life of the proposal.

- 5-1 Prior to commencing mining, the proponent shall develop a rehabilitation plan in consultation with the Department of Agriculture, in order to rehabilitate the land to an environmentally stable condition. The rehabilitation plan shall be prepared to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Agriculture.
- 5-2 The proponent shall implement the rehabilitation plan required by condition 5-1 to the satisfaction of the Environmental Protection Authority.

6. Decommissioning

The proponent is responsible for the decommissioning and removal of the plant and installations and the rehabilitation of the site and its environs.

- 6-1 At least six months prior to commencing decommissioning, the proponent shall prepare a decommissioning and final rehabilitation plan, to the satisfaction of the Environmental Protection Authority.
- 6-2 The proponent shall implement the plan required by condition 6-1, to the satisfaction of the Environmental Protection Authority.

7. Proponent

No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.

8 Time limit on approval

If the proponent has not substantially commenced the project within five years of the date of this statement, then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment shall determine any question as to whether the project has been substantially commenced. Any application to extend the period of five years referred to in this condition shall be made before the expiration of that period, to the Minister for the Environment by way of a request for a change in the condition under Section 46 of the Environmental Protection Act. (On expiration of the five year period, further consideration of the proposal can only occur following a new referral to the Environmental Protection Authority).

Bob Pearce, MLA
MINISTER FOR THE ENVIRONMENT

11 FEB 1992

PROPONENT'S COMMITMENTS

EXTENSION, CLEAN-UP & REHABILITATION, MINERAL SANDS MINE, WONNERUP (640)

CABLE SANDS (WA) PTY LTD

The proponent has made the following environmental commitments:

Mining

1. no operations apart from emergencies, will be undertaken on Sundays or between the hours of 1900 and 0700;
2. a 10m wide stand-off strip will be retained between mining operations and the Vasse Channel in order to protect surface water quality;
3. the open woodland on the southern and eastern boundaries of the mine extension will not be mined thus retaining potential western ringtail possum habitat;
4. the bunding of the old dragline pond will be undertaken at the end of the dry season when the pond, on the basis of past experience, is likely to be empty and dry. The material used for the bund will be excavated from the pond in order to protect water quality in the Vasse Channel;
5. a temporary contour bank on the restored landforms will be designed and constructed to the satisfaction of the Water Authority of Western Australia, so that in the event that some runoff does occur, this water has to flow through the contour bank before entering the Estuary. By this means silt will be trapped in the contour bank;
6. in the event that minor dewatering is required within the open cut such water will be disposed of on the orebody or on the restored landforms.
7. the water storage dam will be designed and constructed, to the satisfaction of the Water Authority of Western Australia, to cope with extreme rainfall events without overtopping the banks;
8. all onsite materials including oils, lubricants and coolants will be stored in impervious holding areas prior to use or export offsite to the satisfaction of the Department of Mines;
9. the storage of fuel onsite will be to the satisfaction of the Department of Mines.

Trucking

10. trucking activities will be confined to the hours of 0700 and 1900 during weekdays and to 0700 to 1200 on Saturdays when trucking is required;
11. all trucks will have their loads covered with a tarpaulin

Decommissioning

12. all materials, structures, foundations, machinery, stockpiles and wastes will be removed from the site following completion of mining operations as part of the decommissioning and final rehabilitation of the project and environs.

13. the replacement of agreed fences, gates, and access ways will be to the landowners' satisfaction.

Rehabilitation

14. rehabilitation will continue progressively behind the mine face;
15. the planting of more peppermint trees than currently exist on the site will be undertaken during early winter 1993. Pasture will be established during autumn and winter and an appropriate fertilising programme will be initiated; and,
16. the water holding dam will be developed as a wetland complete with vegetation..

Monitoring

17. noise surveys will be undertaken at six locations at three monthly intervals or as otherwise determined by the Pollution Control Division of the Environmental Protection Authority;
18. regular operational checks will be made on radiation levels to the satisfaction of the Department of Mines;
19. water from the Vasse Channel and the water holding dam will be monitored for electrical conductivity, pH and total suspended solids on a weekly basis;
20. groundwater will be monitored monthly for pH and electrical conductivity;
21. once mining has ceased, site inspections will be undertaken at the end of the first winter and summer to monitor the establishment of vegetation. If required, additional plantings will be undertaken; and,
22. all monitoring results will be included in the annual mine site report submitted to the Department of Mines.