



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Statement No.
000455

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

PROPOSAL: HEAVY MINERALS MINE AT JANGARDUP (116/1041)
CURRENT PROPONENT: CABLE SANDS (WA) PTY LTD
ORIGINAL CONDITIONS SET: 19 JULY 1990

The implementation of this proposal is now subject to the conditions contained in Ministerial Statement No. 103 (July 1990), subject to the amendment and addition of the following conditions and procedures:

Condition 1 is amended to read as follows:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

- 1-1 In implementing the proposal (including the documented modifications of March 1997), the proponent shall fulfil the relevant environmental management commitments made in the Environmental Review and Management Programme (June 1989) and reported on in Environmental Protection Authority Bulletin 422, in the Section 46 document (March 1997), and in response to issues raised following public submissions; provided that the commitments are not inconsistent with the conditions or procedures contained in this statement.

In the event of any inconsistency, the conditions and procedures shall prevail to the extent of the inconsistency.

The consolidated environmental management commitments of July 1990, as modified on 3 June 1997, are attached.

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Condition 10, Procedures 1 and 2, and Notes 1 and 2 are added following condition 9:

10 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

- 10-1 Subject to these conditions, the manner of detailed implementation of the modified 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 initially with the proposal and subsequently in March 1997, as part of further consideration under Section 46 of the Environmental Protection Act 1986.
- 10-2 Where, in the course of the detailed implementation referred to in condition 10-1, the proponent seeks to change the designs, specifications, plans or other technical material submitted to the Environmental Protection Authority 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.

Procedure

- 1 Unless otherwise specified, the Department of Environmental Protection is responsible for assessing compliance with the conditions contained in this statement and for issuing formal clearance of conditions.
- 2 Where compliance with any condition is in dispute, the matter will be determined by the Minister for the Environment.

Note

- 1 The Environmental Protection Authority reported on the proposal in Environmental Protection Authority Bulletins 422 (January 1990) and 859 (June 1997).
- 2 The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act 1986.

CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

22 JUL 1997

Proponent's Environmental Management Commitments

3 June 1997

**Heavy Minerals Mine at Jangardup
Change to Environmental Conditions
(116/1041)**

Cable Sands (WA) Pty Ltd

- 1 Cable Sands agrees to comply with the relevant statutory requirements of both the State of Western Australia and the Commonwealth of Australia.
- 2 Site preparation prior to mining will be as described in the Environmental Review and Management Programme.
- 3 The mining operations and the heavy minerals separation process will comply with the descriptions presented in the Environmental Review and Management Programme.
- 4 All topsoil will be used for covering restored landforms, and there will be no loss of topsoil.
- 5 Rehabilitation will be fully integrated with mine production and it will be undertaken continuously, some one to two months behind the dredging front. Rehabilitation will comply with the guidelines presented in the Environmental Review and Management Programme.
- 6 Cable Sands will be operating in the area for many years and will maintain the responsibility for rehabilitation until the defined endpoints are achieved. Successful rehabilitation will be determined by the Department of Minerals and Energy, using the endpoints outlined in the Environmental Review and Management Programme.

The endpoints will be accepted by Cable Sands as a condition.

- 7 Water usage, electricity generation, access roads, and sewerage and rubbish disposal will be carried out as described in the Environmental Review and Management Programme and will not be varied greatly without prior consultation with the authorities.
- 8 All workers will be kept within radiation standards set by the Department of Minerals and Energy for the heavy minerals mining industry in compliance with the Australian Code of Practice on radiation protection in the mining and milling of radioactive ores of 1987.
- 9 Every effort will be made to protect regrowth of plants on the rehabilitated areas from fire and weed encroachment.
- 10 Part of the rehabilitation process will be to create a range of habitat types.
- 11 In the event that material of Aboriginal origin is uncovered during the operations, all work will cease within that area and the Western Australian Museum will be called upon to advise.
- 12 Dust and noise levels will be kept below the standards which are currently set for the mining industry.
- 13 Groundwater levels and the quality of groundwater around the dredge pond and the production bore will be monitored by Cable Sands.

All data will be analysed and should there be any evidence of unacceptable changes, action will be implemented immediately to avoid any harmful changes to the water regimes of the area. The authorities will be notified immediately.

- 14 Monitoring of the rehabilitation will be undertaken by Cable Sands and reported annually to the Department of Minerals and Energy, the Department of Conservation and Land Management and the Environmental Protection Authority.

- 15 The contribution of funds to encourage the establishment of extra houses in Nannup.
- 16 Prior to mining the ponds area, checking for the existence of aquatic fauna outside the area to be mined.
- 17 Transportation of HMC between Jangardup and Bunbury will use the Sues Road route whenever this is available, subject to appropriate approvals.

Any trucking of HMC along the Vasse Highway route through Nannup will be undertaken under the regime which has applied since trucking commenced in 1994.