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WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

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

PROPOSED HEAVY MINERALS MINE AT JANGARDUP

This proposal may be implemented subject to the following conditions:

1. The proponent shall adhere to the proposal as assessed by the Environmental Protection Authority and shall fulfil the commitments made in the Environmental Review and Management Programme and as subsequently modified (copy of commitments attached).
2. Prior to commencement of product haulage operations, the proponent shall develop a more detailed environmental and social analysis for alternative haulage options and propose a heavy mineral transport programme, satisfactory to the Minister for the Environment on advice from the Environmental Protection Authority, the Department of Transport, the Department of Conservation and Land Management and the Main Roads Department. In the course of developing the transport option, the proponent shall ensure an adequate level of public consultation.
3. The proponent shall ensure that there are no environmentally significant detrimental effects from the mining operation on the vegetation or groundwater quality or levels within adjacent National Park, State Forest and private lands. Accordingly, the proponent shall adhere to the following management requirements, to the satisfaction of the Minister for the Environment on advice from the Environmental Protection Authority, the Water Authority of Western Australia and the Department of Conservation and Land Management:
 - initial mining operations shall commence at a point remote from adjacent properties; and
 - prior to commencement of dredge pond construction, the proponent shall prepare and implement a groundwater management strategy and a programme to monitor vegetation, groundwater levels and groundwater quality; and
 - should this programme identify any adverse effects, the proponent shall report these immediately to the Environmental Protection Authority, together with a plan of remedial action; and
 - operations which would result in a level of groundwater drawdown in excess of half a metre at the boundary of adjacent private properties, National Park or State Forest, shall be confined to the months of May to September.
4. Prior to any operations involving the movement of earth, including gravel extraction for road construction, the proponent shall prepare and subsequently implement a dieback hygiene programme, in consultation with the Department of Conservation and Land Management and to the satisfaction of the Minister for the Environment on advice from the Environmental Protection Authority. The dieback hygiene programme shall be available for public viewing.
5. Prior to commencement of mining, the proponent shall prepare rehabilitation plans to the satisfaction of the Minister for the Environment on advice from the Environmental Protection Authority, The Department of Conservation and Land Management and the Department of Agriculture. The rehabilitation plans shall be available to the public following examination by the Environmental Protection Authority.

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During mining, the rehabilitation plans shall be reviewed annually and continuously implemented to the satisfaction of the Minister for the Environment on advice from the Environmental Protection Authority and the Departments of Conservation and Land Management and Agriculture.

Rehabilitation of State Forest shall be planned and implemented in consultation with the Department of Conservation and Land Management.

Rehabilitation of private lands shall be planned and implemented in consultation with the landowner and the Commissioner of Soil Conservation. Disturbed agricultural lands shall be rehabilitated to a use which is environmentally stable.

6. Following the commencement of rehabilitation, the proponent shall implement a rehabilitation monitoring and maintenance programme until such time as the rehabilitation is self-sustaining, to the satisfaction of the Minister for the Environment on the advice of the Environmental Protection Authority. The proponent shall perform audits annually and forward the results to the Department of Mines, the Environmental Protection Authority and other involved agencies. These reports on rehabilitation shall be available to the public following examination by the Environmental Protection Authority.
7. The proponent shall be responsible for removal of the plant, all equipment and installations and rehabilitating the site and its environs to the satisfaction of the Environmental Protection Authority.
8. The proponent shall, at least six months prior to ceasing mining operations, prepare a decommissioning and rehabilitation plan to the satisfaction of the Environmental Protection Authority.
9. 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 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.

Bob Pearce, MLA
MINISTER FOR THE ENVIRONMENT

19 JUL 1990

SUMMARY OF PROPONENT'S COMMITMENTS MODIFIED TO ACCOMMODATE TRANSPORTATION ISSUES

1. Cable Sands agrees to comply with the relevant statutory requirements of both the State of Western Australian and the Commonwealth of Australia.
2. Site preparation prior to mining will be as described in this ERMP.
3. The mining operations and the heavy minerals separation process will comply with the descriptions presented in this ERMP.
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 this ERMP.
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 Mines, using the endpoints outlined in this ERMP. 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 this ERMP 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 Mines 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 Mines, the Department of Conservation and Land Management and the Environmental Protection Authority.

SUMMARY OF PROPONENT'S ADDITIONAL COMMITMENTS

These additional commitments are related to the issues raised in public submissions (Appendix B) as noted in brackets, and modified subsequently in response to transportation requirements.

- A1. The contribution of funds to encourage the establishment of extra houses in Nannup (Issue 23).
- A2. Prior to mining the ponds area, checking for the existence of aquatic fauna outside the area to be mined (Issue 56).