



Ass # 875

Bull # 738

State # 357

WESTERN AUSTRALIA

MINISTER FOR THE ENVIRONMENT

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

PROPOSAL: YANDICOOGINA (MARILLANA) IRON ORE
PROJECT (069/712/875)

CURRENT PROPONENT: BHP IRON ORE PTY LTD

CONDITIONS SET ON: 25 MAY 1988

CONDITIONS AMENDED ON: 19 MAY 1992

Condition 1A is amended to read as follows:

1A Proponent Commitments

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

In implementing the proposal, including the increased production rate of 15 million tonnes per annum reported on in Environmental Protection Authority Bulletin 738, the proponent shall fulfil the commitments made in the Public Environmental Report (1987), provided that the commitments are not inconsistent with the conditions or procedures contained in this statement. (A copy of the commitments is attached).

The following conditions and procedure are inserted following condition 6:

7 Decommissioning

The satisfactory decommissioning of the project, removal of the plant and installations and rehabilitation of the site and its environs is the responsibility of the proponent.

7-1 At least six months prior to decommissioning, the proponent shall prepare and submit a final decommissioning and rehabilitation plan to the requirements of the Department of Minerals and Energy in consultation with the Environmental Protection Authority.

7-2 The proponent shall implement the plan required by condition 7-1.

8 Compliance Auditing

In order to ensure that environmental conditions and commitments are met, an audit system is required.

8-1 The proponent shall prepare periodic Progress and Compliance Reports, to help verify the environmental performance of this project, in consultation with the Environmental Protection Authority.

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Procedure

- 1 The Environmental Protection Authority is responsible for verifying compliance with the conditions contained in this statement, with the exception of conditions stating that the proponent shall meet the requirements of either the Minister for the Environment or any other government agency.
- 2 If the Environmental Protection Authority, other government agency or proponent is in dispute concerning compliance with the conditions contained in this statement, that dispute will be determined by the Minister for the Environment.

Kevin Minson MLA
MINISTER FOR THE ENVIRONMENT

31 MAY 1994

Proponent's Environmental Management Commitments

YANDICOOGINA (MARILLANA) IRON ORE PROJECT (069 / 712 / 875)

BHP IRON ORE PTY LTD

The proponent has made the following environmental management commitments:

YANDICOOGINA (MARILLANA) IRON ORE PROJECT

ENVIRONMENTAL MANAGEMENT COMMITMENTS

1. The Proponent will submit an environmental monitoring and management programme with the mining proposals to the State in accordance with the State Agreement Act.
2. Regular assessment of monitoring results and management effectiveness are to be reported as part of the monitoring and management programme. Reports will be submitted to the responsible Minister at intervals specified in the Act.
3. The Proponent will comply with the provisions of all relevant Government Acts and Regulations that may apply to the operations.
4. An Environmental Officer will be responsible for all environmental monitoring and management activities for the Project.
5. Environmental awareness programmes will be provided for all construction, contractor and operational workforce.
6. During the construction phase minimum alteration to the existing topography will be achieved. Once construction is complete, areas no longer required will be contoured, slopes stabilised, topsoil replaced and revegetated.
7. Borrow pits, where possible, will be located in areas not visible from the accommodation sites or access roads. The pits will be reshaped and revegetated. Drainage control will be employed to reduce surface water ponding.
8. Erosion will be managed by contouring, stabilising and vegetation.
9. Minimisation of disturbance to archeological sites will be achieved by reducing any operations on the sites. Where a site may need to be disturbed, the Proponent will comply with any conditions imposed by the Minister for Aboriginal Affairs.
10. The area of disturbance will be reduced by using overburden for bund walls, fill for borrow pits and by returning overburden and waste ore to the mined out areas of the pit.
11. Surface dumps of overburden including bund walls, refilled borrow pits and the main overburden dump area will be stabilised to minimise wind and water erosion. The final waste dump will be constructed as to conform with the existing topography.
12. Revegetation of the mine dumps will be achieved using the most successful vegetation techniques available. The revegetation programme will be monitored intensively during the mining phase, and routinely following decommissioning.
13. Mine dewatering will be affected by pumping the minimum amount of groundwater to achieve optimum mining conditions.
14. Mine dewatering discharge will be fed into Marillana Creek and used as irrigation water to support phreatophytic vegetation.

15. No contaminated process water from the operation will be allowed to discharge to the creek system or to the groundwater. A detailed water quality sampling and analysis programme will be adopted as part of the monitoring programme.
16. The removal of waste materials, ie. oils, sewage, etc. will be undertaken in accordance with Health Department and Local Authorities' requirements.
17. Monitoring of the dewatering effects on the riverine phreatophytes will be undertaken. Management will be effected by irrigation of affected areas with mine dewatering discharge.
18. Occupational and ambient dust levels will be managed by controlling dust emissions at their source. Dust monitoring programmes will be implemented, and dust emissions controlled by water spraying.
19. Seasonal vegetation surveys will be undertaken during mining.
20. During construction, caravans will be restricted to a managed caravan park.
21. As part of the general monitoring and management programme, the following mosquito control practices will be adopted:
 - . identify and control potential mosquito breeding sites;
 - . monitor mosquito species to assess disease potential; and
 - . carry out necessary fogging, spraying and baiting should it be required.
22. Management of the area following completion of mining will be undertaken:
 - . Pre-existing drainage networks will be reestablished where applicable.
 - . Revegetation activities will continue until stable communities are established.
 - . The mined out pit will be modified to minimise water quality changes caused by evapoconcentration.