



Ass # 712  
Bull # 622  
State # 259

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)

CURRENT PROPONENT: BHP IRON ORE LIMITED

CONDITIONS SET ON: 25 MAY 1988

Condition 1 has been amended to read as follows:

**1A Proponent Commitments**

In implementing the proposal, including the increased production rate of 10 million tonnes per year, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement) made in the Public Environmental Report (1987). (A copy of the commitments is attached).

**1B Detailed Implementation**

Subject to the conditions in this amended statement, 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.

The original condition 6 is deleted and a new condition 6 is inserted as follows:

**6. Proponent**

No transfer of ownership, control or management of the project which would give rise to the 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.

Bob Pearce, MLA  
MINISTER FOR THE ENVIRONMENT

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## 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.