



Ass # 307  
Bull # 487  
State # 170

WESTERN AUSTRALIA  
MINISTER FOR THE ENVIRONMENT

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

**LONG TERM DEVELOPMENT OF MADDINGTON QUARRY (307)**

**BORAL RESOURCES (WA) LIMITED**

This proposal may be implemented subject to the following conditions:

1. 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 Public Environmental Review. (A copy of the commitments is attached).
2. 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. The proponent shall ensure that there are no unacceptable impacts from the operation on the streamline on the southern side and the easterly portion of the streamline on the northern side of the proposed expansion. Prior to commencement of the expansion development, the proponent shall prepare and subsequently implement an environmental management programme for the protection of these zones and their exclusion from the effects of quarrying, to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority and the City of Gosnells.
4. Within six months of the date of any environmental approval issued by the Minister for the Environment, the proponent shall submit and subsequently implement detailed on-going rehabilitation plans for the whole quarrying operation, to the satisfaction of the Environmental Protection Authority on advice of the City of Gosnells. These plans should be reviewed initially on an annual basis for the first year and thereafter at five yearly intervals.
5. The proponent shall be responsible for decommissioning and removal of the plant and installations and rehabilitating the site and its environs, to the satisfaction of the Environmental Protection Authority. At least twelve months prior to decommissioning, the proponent shall prepare and subsequently implement a decommissioning and rehabilitation plan, to the satisfaction of the Environmental Protection Authority, on advice of the City of Gosnells.

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6. 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.
7. 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

15 AUG 1991

## PROPONENT'S COMMITMENTS

The proponent undertakes to operate the proposed Maddington quarry according to the conditions of the licence to quarry to be issued by the Pollution Control Division of the Environmental Protection Authority as required by the Environmental Protection Act 1986 (see Appendix C).

The proponent will minimise all foreseeable impacts by modification of standard quarrying methods and implementation of ameliorative measures. Management programmes will be designed to fulfil this obligation by controlling impacts to within acceptable limits.

### Clearing

The proponent will minimise all clearing of native vegetation required for the proposed extension of the Maddington quarry.

The proponent is committed to recovering the maximum amount of topsoil possible from cleared areas prior to quarrying. This material and associated vegetative material will be stockpiled for later use in the rehabilitation programme.

### Rehabilitation

The proponent is committed to maintaining the current low profile of the Maddington quarry on the Darling Scarp. All quarry slopes visible from the coastal plain and local areas will be camouflaged as soon as practicable and fully rehabilitated in the long term.

The proponent is committed to development of revegetation techniques to provide vegetative cover and species diversity approaching that existing previously. This will involve further investigation into propagation, direct seeding, mulches, seed species mixes and application rates. Propagation of rare flora species which will be affected by the quarry expansion will also be included in these investigations. If feasible, these species will be included in the rehabilitation programme.

### Noise and Dust

The proponent will restrict noise and dust emissions to within the limits required by the conditions of the quarry licence issued by the EPA. As new technology becomes available the crushing and screening plants and quarrying equipment will be upgraded. Such improvements will reduce noise and dust emissions.

The crushing plant will be relocated into the base of the present quarry when it is both convenient and appropriate. This will occur during Stage 2 (11 to 20 years) of the proposed long term quarry development.

## Drainage

The proponent is committed to maintaining surface water regimes surrounding the quarry. Drainage will be carefully controlled to prevent erosion problems associated with operation of the quarry. Preventative measures will include drainage control structures, stabilisation by planting, and mulch treatments. Drainage will be controlled by diversion channels and roadside drainage systems.

The proponent will monitor the quality of water leaving the quarry and undertakes to maintain the quality to the requirements of the EPA quarry licence.

Measures to maintain water quality will be similar to those in current operation, ie roadside drainage controls, silt traps, settling ponds and a reservoir from which water is re-used for dust control.

If monitoring of water leaving the quarry indicates that water quality does not meet the EPA licence requirements, these structures will be upgraded or new measures introduced as necessary.

## Management, Monitoring and Reporting

The proponent is committed to preparation of an Environmental Management Programme for the Maddington quarry prior to commencement of preparatory activities and quarrying in the proposed area of extension. This document will be approved by the EPA and will detail management plans for rehabilitation, noise/dust emissions, fire control and the biological environs etc.

The proponent undertakes to conduct monitoring programmes of both physical and biological aspects of the quarry operations in order to assess their impact. Monitoring will facilitate review and refinement of the management techniques employed.

The proponent will submit annual reports to the EPA detailing the results of the monitoring programmes and progress of the Environmental Management Programme.

## Community Liaison

Boral Resources staff will be available to respond to queries and problems raised by the local community. Every effort will be made to resolve any issues which may arise and records will be kept of all enquiries and complaints to facilitate this. The quarry staff will be available for consultation and site inspections by council staff at any time. Past practice of inviting City of Gosnells Councillors to inspect the quarry and rehabilitation areas on an annual basis will be continued and extended to include residents in the vicinity of the quarry.