



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Ass # 902

Bull # 834

State # 440

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

HARD ROCK QUARRY - ML 47/306, 309, 331 & 353
BURRUP PENINSULA (902)

G, P M & S J ROCCA

This proposal may be implemented subject to the following conditions:

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, the proponent shall fulfil the commitments made in the Consultative Environmental Review (WG Martinick and Associates Pty Ltd 1994), as modified in the proponent's letter of 24 October 1996, provided that the commitments are not inconsistent with the conditions or procedures contained in this statement.

A copy of the modified environmental management commitments of 24 October 1996 is attached.

2 Implementation

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

- 2-1 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.
- 2-2 Where, in the course of the detailed implementation referred to in condition 2-1, 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.

Published on

1 FEB 1997

3 Proponent

These conditions legally apply to the nominated proponent.

- 3-1 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.

4 Progressive Rehabilitation Programme

- 4-1 Within five years following commencement of quarrying in the area covered by this proposal, the proponent shall prepare a progressive rehabilitation programme for the quarry, to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection. This programme shall include exotic weed control.
- 4-2 The proponent shall implement the progressive rehabilitation programme required by condition 4-1.
- 4-3 The proponent shall review the progressive rehabilitation programme required by condition 4-1 at least every five years.

5 Decommissioning

- 5-1 The proponent shall carry out the satisfactory decommissioning of the project, removal of the plant and installations and rehabilitation of the site and its environs.
- 5-2 At least six months prior to decommissioning, the proponent shall prepare a final decommissioning and rehabilitation plan to achieve the objectives of condition 5-1.
- 5-3 The proponent shall implement the plan required by condition 5-2.

6 Environmental Management System

- 6-1 The proponent shall prepare an environmental management plan and environmental management procedures in order to implement the proposal and manage the relevant environmental factors to ensure that the environmental objectives (Environmental Protection Authority Bulletin 834, Section 3) are met.

The plan shall adopt quality assurance principles (such as those adopted in Australian Standards ISO 9000 series) and environmental management principles (such as those adopted in the voluntary Australian Standards ISO 14000 [draft] series), with appropriate monitoring and auditing to ensure compliance with this condition.

- 6-2 The proponent shall implement the environmental management plan and environmental management procedures required by condition 6-1.

7 Time Limit on Approval

The environmental approval for the proposal is limited.

- 7-1 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.

Where the proponent demonstrates to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection that the environmental parameters of the proposal have not changed significantly, then the Minister may grant an extension not exceeding five years.

8 Compliance Auditing

To help determine environmental performance and compliance with the conditions, periodic reports on the implementation of the proposal are required.

- 8-1 The proponent shall submit periodic Performance and Compliance Reports, in accordance with an audit programme prepared by the Department of Environmental Protection in consultation with the proponent.

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 Minister for the Environment will request the Minister for Resources Development to prepare a raw materials strategy for the Burrup Peninsula region.
- 2 The proponent is required to apply for a Works Approval, Licence or Registration for this project under the provisions of Part V of the Environmental Protection Act.
- 3 The Environmental Protection Authority's report on this proposal is contained in Environmental Protection Authority Bulletin 834 (November 1996).

CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

14 FEB 1997

Proponent's Environmental Management Commitments

24 October 1996

**HARD ROCK QUARRY - ML 47/306, 309, 331 & 353
BURRUP PENINSULA (902)**

G, P M & S J ROCCA

General

- 1 Operate and manage the proposed operations as outlined in the Consultative Environmental Review Supplement with referral to the Consultative Environmental Review and to consult with officers of the Department of Minerals and Energy before undertaking any major deviations from the outlined operations.
- 2 Permit no cats as domestic pets on the Project Area.
- 3 Allow no firearms on the Project Area.
- 4 Use existing approved storage areas for fuel and oil so as to contain potential petrochemical spills.

Aesthetics, vegetation and flora

- 5 The quarrying operations will be undertaken so as to ensure that the visual impacts are kept to a minimum, especially from sensitive view areas and by confining quarry operations to below the crest of the Pistol Ranges as outlined in Figure 2 in the Consultative Environmental Review Supplement.
- 6 Relocate during the course of operations crushing and screening equipment and product material stockpiles to within the proposed larger pit as space is made available so as to minimize visual impacts of the quarry operation.
- 7 No waste rock and stockpiles will be placed against the base of the Pistol Range.
- 8 The clearing of vegetation will be restricted to an absolute minimum, and it will be confined to the actual quarry pits and to the access into the pit.
- 9 Establish the Priority 4 listed *Brachychiton acuminatus* tree and *Terminalia supranitifolia* shrub/tree on rehabilitated areas.
- 10 The height of replenished stockpiles on the plain in front of the Pistol Range will not exceed 10m, that is the height of the trees, and new stockpiles will be progressively established within the quarry as appropriate space becomes available during the development of the quarry extension.

Aboriginal heritage

- 11 Abide by the Aboriginal Heritage Act and inform the Department of Minerals and Energy and the Department of Aboriginal Affairs immediately if any additional Aboriginal heritage sites other than those sites identified within the survey by McDonald, Hales and Associates Pty Ltd are located on the Project area during the course of operations.
- 12 Abide by the decision of the Department of Aboriginal Affairs if no approval for clearance of existing Heritage sites is granted and amendments to the proposed quarry design are required.
- 13 Restrict quarrying operations and impacts to within the scope of the proposed design plans, as depicted in Figure 2 in the Consultative Environmental Review Supplement, subject to amendments required if approval is not granted from the Department of Aboriginal Affairs due to the location of identified Aboriginal Heritage sites.

Pit wall stability

- 14 To ensure that the design of the pit walls is approved by the Department of Minerals and Energy.

Blasting and noise

Conditions for blasting and noise are expected to be set by the Department of Minerals and Energy. The following management commitments will be implemented:

- 15 The operations will comply with the noise and blasting safety requirements stipulated by the relevant Authorities.
- 16 Procedures concerning air safety within the Karratha Airport circuit will be implemented. The airport will be advised during working hours and not less than 24 hours prior to any blast in order that a Notice to Airmen concerning the blast is issued by the Civil Aviation Authority.
- 17 The road to the existing installations belonging to the Water Corporation and Telstra on Katrin's Hill to the immediate north of the proposed quarry pits will not be affected by the proposed operations. As the project progresses, the need to warn the public using this road of blasting will be reviewed regularly, at least annually, with the Shire of Roebourne and the Department of Minerals and Energy. When deemed appropriate, warning signs will be erected on the road to the installations on Katrin's Hill warning the public of blasting. If necessary, the road will be closed temporarily during blasting. The method of protecting the public will always be undertaken in consultation with the Shire of Roebourne and the Department of Minerals and Energy.
- 18 Provide workers with appropriate ear protection.
- 19 Efficient noise suppression devices will be maintained on all equipment and plant used at the site.

Topsoil

- 20 All topsoil will be saved for future rehabilitation.

Dust

- 21 The operations will comply with the conditions set by the relevant Authorities.

Water run-off

- 22 All rainwater run-off in the pit will be contained within the pit, and will not be drained out of the pit. When available, this water will be used for dust suppression; the balance will be lost by evaporation.

Waste disposal

- 23 All materials suitable for recycling will be recycled.
- 24 All other wastes will be taken to the Karratha waste disposal site on a regular basis.

Rehabilitation

- 25 The rehabilitation of the pit will be undertaken progressively as outlined in the 'Supplement Progressive Rehabilitation Plan' dated July 1996 and to the satisfaction of the relevant Authorities.

- 26 The rehabilitation progress will be monitored and procedures will be modified when and if necessary.
- 27 Progressively use the waste rock and soil stockpiles at the base of the Pistol Ranges, outside the existing quarry, for rehabilitation purposes.

Safety

- 28 All relevant Acts and Regulations covering occupational health and safety, and the safety of the general public, will be complied with.
- 29 The infrastructure area and access into the pits will be fenced and sign posted, and the gates will be locked when the quarry is unattended.

Decommissioning

- 30 On decommissioning the rehabilitation of the pit will be completed as outlined in the 'Supplement Progressive Rehabilitation Plan' dated July 1996.
- 31 All of the equipment, buildings and machinery and all waste will be removed from the entire quarry site. The infrastructure area will be ripped and seeded as outlined in the 'Supplement Progressive Rehabilitation Plan' dated July 1996 and to the satisfaction of the relevant Authorities.