



MINISTER FOR THE ENVIRONMENT; SCIENCE

Statement No.

000718

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

**HARD ROCK QUARRY – ML 47/26, 255, 306, 309, 331, 333 & 353
BURRUP PENINSULA**

Proposal: The Nickol Bay Quarry is situated on Mining Leases M47/26, M47/255, M47/306, M47/309, M47/331, M47/333 and M47/353, and the infrastructure on General Purpose leases G47/23 and G47/42, located in the Pistol Range near Dampier, approximately 13 kilometres west of Karratha in the Shire of Roebourne.

The revised proposal is for the extension of the existing quarry westwards on Mining Lease M47/333 in addition to the previously approved eastern extension on Mining Leases M47/306, M47/309, M47/331 and M47/353. The proposal is documented in schedule 1 of this statement.

Proponent: Readymix Holdings Pty Limited

Proponent Address: PO Box 555, VICTORIA PARK WA 6979

Assessment Number: 1377

Previous Assessment Number: 902

Previous Statement Number: 440

Report of the Environmental Protection Authority: Bulletin 1170

Previous Report of the Environmental Protection Authority: Bulletin 834

The conditions and procedures of this statement supersede the conditions and procedures of Statement No. 440 in accordance with section 45B of the *Environmental Protection Act 1986*.

The revised proposal to which the above report of the Environmental Protection Authority relates may be implemented subject to the following conditions and procedures:

1 Implementation

1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions and procedures of this statement.

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24 JAN 2006

2 Proponent Commitments

- 2-1 The proponent shall implement the environmental management commitments documented in schedule 2 of this statement.

3 Proponent Nomination and Contact Details

- 3-1 The proponent for the time being nominated by the Minister for the Environment under section 38(6) or (7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal until such time as the Minister for the Environment has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person as the proponent for the proposal.
- 3-2 If the proponent wishes to relinquish the nomination, the proponent shall apply for the transfer of proponent and provide a letter with a copy of this statement endorsed by the proposed replacement proponent that the proposal will be carried out in accordance with this statement. Contact details and appropriate documentation on the capability of the proposed replacement proponent to carry out the proposal shall also be provided.
- 3-3 The nominated proponent shall notify the Department of Environment of any change of contact name and address within 60 days of such change.

4 Commencement and Time Limit of Approval

- 4-1 The proponent shall substantially commence mining in the western pit extension within five years of the date of this statement or the approval for that extension granted in this statement shall lapse and be void.

Note: The Minister for the Environment will determine any dispute as to whether the extension proposal has been substantially commenced.

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the western pit extension beyond five years from the date of this statement to the Minister for the Environment, prior to the expiration of the five-year period referred to in condition 4-1.

The application shall demonstrate that:

1. the environmental factors of the proposal have not changed significantly;
2. new, significant, environmental issues have not arisen; and
3. all relevant government authorities have been consulted.

Note: The Minister for the Environment may consider the grant of an extension of the time limit of approval not exceeding five years for the substantial commencement of the western pit extension.

5 Compliance Audit and Performance Review

5-1 The proponent shall prepare an audit program and submit compliance reports to the Department of Environment which address:

1. the status of implementation of the proposal as defined in schedule 1 of this statement;
2. evidence of compliance with the conditions and commitments; and
3. the performance of the environmental management plans and programs.

Note: Under sections 48(1) and 47(2) of the *Environmental Protection Act 1986*, the Chief Executive Officer of the Department of Environment is empowered to monitor the compliance of the proponent with the statement and should directly receive the compliance documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

5-2 The proponent shall submit a performance review report every five years after the publication of this statement, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, which addresses:

1. the major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives;
2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable;
3. significant improvements gained in environmental management, including the use of external peer reviews;
4. stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
5. the proposed environmental objectives over the next five years, including improvements in technology and management processes.

6 Environmental Management Plan

6-1 Prior to commencement of operations in the western extension, the proponent shall update the Environmental Management Plan for the quarry, to include operations in the western extension, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, the Department of Conservation and Land

Management, the Department of Industry and Resources and the Department of Indigenous Affairs.

The objectives of this Plan are:

- to provide a systematic framework with environmental performance objectives for environmental management of the quarry; and
- to achieve the environmental performance objectives.

This Plan shall address the following:

1. Management of declared rare and priority flora and vegetation communities;
2. Management of threatened and priority fauna;
3. Management of operations to reduce visual impact;
4. Aboriginal heritage management;
5. Noise management;
6. Dust management;
7. Control of weeds and introduced animal species;
8. Management of fuels and oils;
9. Surface water management; and
10. Conceptual closure plan.

6-2 The proponent shall implement the Environmental Management Plan required by condition 6-1.

6-3 The proponent shall make the Environmental Management Plan required by condition 6-1 publicly available.

7 Management of Areas Withdrawn from Quarrying Plans

7-1 Within six months following the issuing of the notice to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, the proponent shall prepare a Management Plan to prevent quarry-related impacts on vegetation in the areas withdrawn from quarrying plans as shown in figure 3 of schedule 1, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

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

7-3 The proponent shall make the Management Plan required by condition 7-1 publicly available.

8 Progressive Rehabilitation Programme

8-1 Within three years following the issuing of the notice to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986* and prior to the commencement of mining within Mining Lease M47/333, the proponent shall prepare a Progressive Rehabilitation Programme for the quarry and associated infrastructure located within Mining Leases M47/26, M47/255, M47/306, M47/309, M47/331, M47/333 and M47/353 and General Purpose leases G47/23 and 47/42 incorporating:

1. proposed final land use, rehabilitation objectives and completion criteria;
2. method and management of progressive rehabilitation of mined pit faces, pit floors and other areas in order to protect visual amenity; and
3. the sequence and indicative timetable for the rehabilitation of quarry pit floors, pit faces and other disturbed areas within the leases, and relocation of rock stock piles, waste dumps and other quarry infrastructure into disused quarry pits,

to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

8-2 In the development of the Progressive Rehabilitation Programme required by condition 8-1, the proponent shall prepare and implement a consultation plan to identify important stakeholders and the method/s of consultation to be employed in the development of the Programme, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

8-3 The proponent shall make copies of the Progressive Rehabilitation Programme required by condition 8-1 publicly available upon request by any person.

8-4 The proponent shall implement the Progressive Rehabilitation Programme required by condition 8-1.

8-5 The proponent shall review the Progressive Rehabilitation Programme required by condition 8-1 at intervals not exceeding five years, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

9 Decommissioning

9-1 The proponent shall carry out the satisfactory decommissioning of the quarry, removal of the plant and installations and rehabilitation of the site and its environs.

9-2 At least six months prior to decommissioning, and within six months following any four-year period of stoppage of quarrying activity, the proponent shall prepare a Final Decommissioning and Rehabilitation Plan to achieve the objectives of conditions 8-1 and 9-1, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

- 9-3 The proponent shall implement the Final Decommissioning and Rehabilitation Plan required by condition 9-2.

Procedures

1. Placement of Tenement Conditions on Mining Leases

With the proponent's consent, the Minister for State Development will place the following two tenement conditions on mining leases ML47/255, ML47/306, ML47/309, ML47/331, ML47/333 and ML47/353:

Condition 1: No mining (quarrying) activities are to be undertaken in the areas which have been deemed to have high environmental significance as shown on figure 1 in the letter titled "Re: Western Extension to Nickol Bay Quarry - M47/333" dated 15 February 2005 and signed by Sharron Sylvester and retained on Department of Industry and Resources File No. 2501-99.

Condition 2: Any proposal for exploration activities in the areas which are deemed to have a high environmental significance as shown on figure 1 in the letter titled "Re: Western Extension to Nickol Bay Quarry - M47/333" dated 15 February 2005, signed by Sharron Sylvester and retained on Department of Industry and Resources File No. 2501-99, needs to be referred to the Environmental Protection Authority under section 38 of the *Environmental Protection Act 1986*.

The conditions will be placed on the leases after approval by the Department of Industry and Resources of the Notice of Intent "Public Environmental Review, Western Extension to Nickol Bay Quarry (Mining Lease M47/333) Burrup Peninsula, Dampier" dated 2002.

2. Where a condition states "to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority", the Environmental Protection Authority will provide that advice to the Department of Environment for the preparation of written notice to the proponent.
3. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment.
4. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment.

Notes

1. The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment over the fulfilment of the requirements of the conditions.
2. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986*.

Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT; SCIENCE

24 JAN 2006

Schedule 1

The Proposal (Assessment No. 1377)

The Nickol Bay Quarry is situated on Mining Leases M47/26, M47/255, M47/306, M47/309, M47/331, M47/353 and M47/333; and General Purpose leases G47/23 and G47/42 on the Burrup Peninsula, near Dampier, Shire of Roebourne (see figure 1 - Location plan). The revised proposal is for the extension of the existing quarry westwards on Mining Lease M47/333 in addition to the eastern extension on Mining Leases M47/306, M47/309, M47/331 and M47/353 over a period of approximately 20 years.

The proposal is described in the Public Environmental Review (2002), as modified during the assessment and by the proponent's letter of 15 February 2005 and also in the Consultative Environmental Review (1994) and Supplement to the Consultative Environmental Review (1996), as modified by the proponent's letter of 24 October 1996, where the 1994 and 1996 documents are not inconsistent with the 2002 and 2005 documents.

Operations at the quarry include quarrying of rock suitable for crushing for aggregate, quarrying of armour rock and crushing of rock. Facilities include offices, laboratory, workshop, weighbridge, fuel and oil storage areas and stockpiles (see figure 2 - Site layout plan).

During the course of the assessment of the western extension to the quarry, the proponent committed to removing four areas contained in Mining Leases M47/255, M47/306, M47/309, M47/331, M47/333 and M47/353 from future quarrying plans and managing these areas to prevent quarrying-related damage to vegetation. The areas are shown in figure 3.

The Key Proposal Characteristics are shown in table 1.

Table 1 – Key Proposal Characteristics (1377)

Element	Quantities/Description
Mining Leases	M47/26, M47/255, M47/306, M47/309, M47/331, M47/333 and M47/353
General Purpose Leases (for infrastructure)	G47/23 and G47/42
Life of project (mine production)	At least 20 years
Size of total rock reserve (eastern and western extension)	Approximately 15.8 million tonnes
Maximum depth of quarry pits	Approximately 75 metres
Maximum area of disturbance (eastern and western extension)	Approximately 21 hectares
Quarrying times	Continuous operation on a project by project basis
Quarrying rate	Up to 1 million tonnes per annum
Drainage	All surface runoff will be drained to the existing sump on adjoining mining lease M47/26.
Quarry access	Via existing quarry access on adjoining mining lease M47/26.
Major components: <ul style="list-style-type: none"> • pits • processing plant, including stockpiles • infrastructure 	<p>The quarry comprises the original quarry area, the eastern extension area and the western extension area.</p> <p>Processing plant comprises crushing and screening equipment.</p> <p>Offices, laboratory, workshop, weighbridge, fuel and oil storage areas.</p>

Figures (attached)

Figure 1 – Location plan

Figure 2 – Site layout plan

Figure 3 – Areas to be removed from quarrying plans

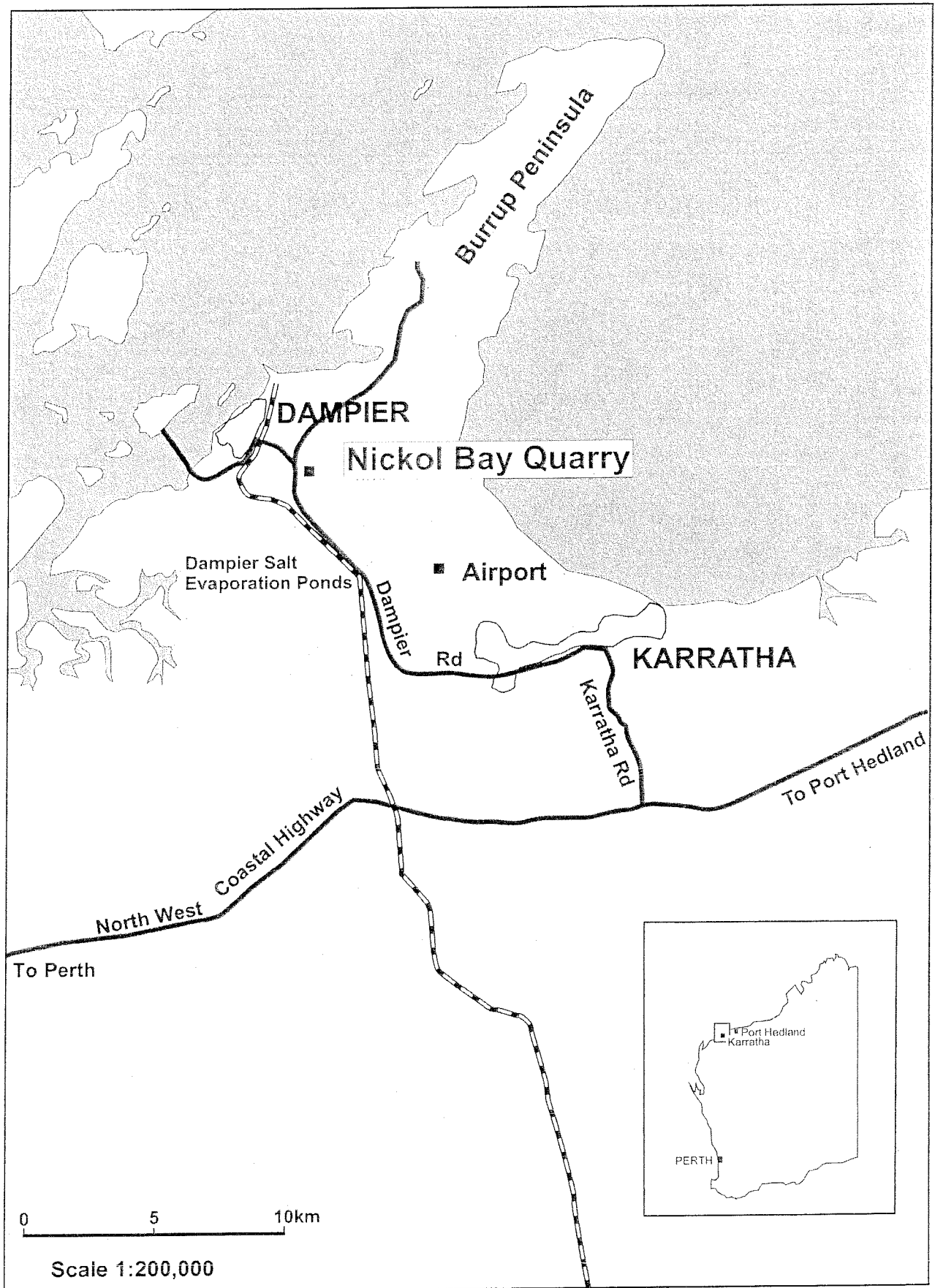


Figure 1: Location plan

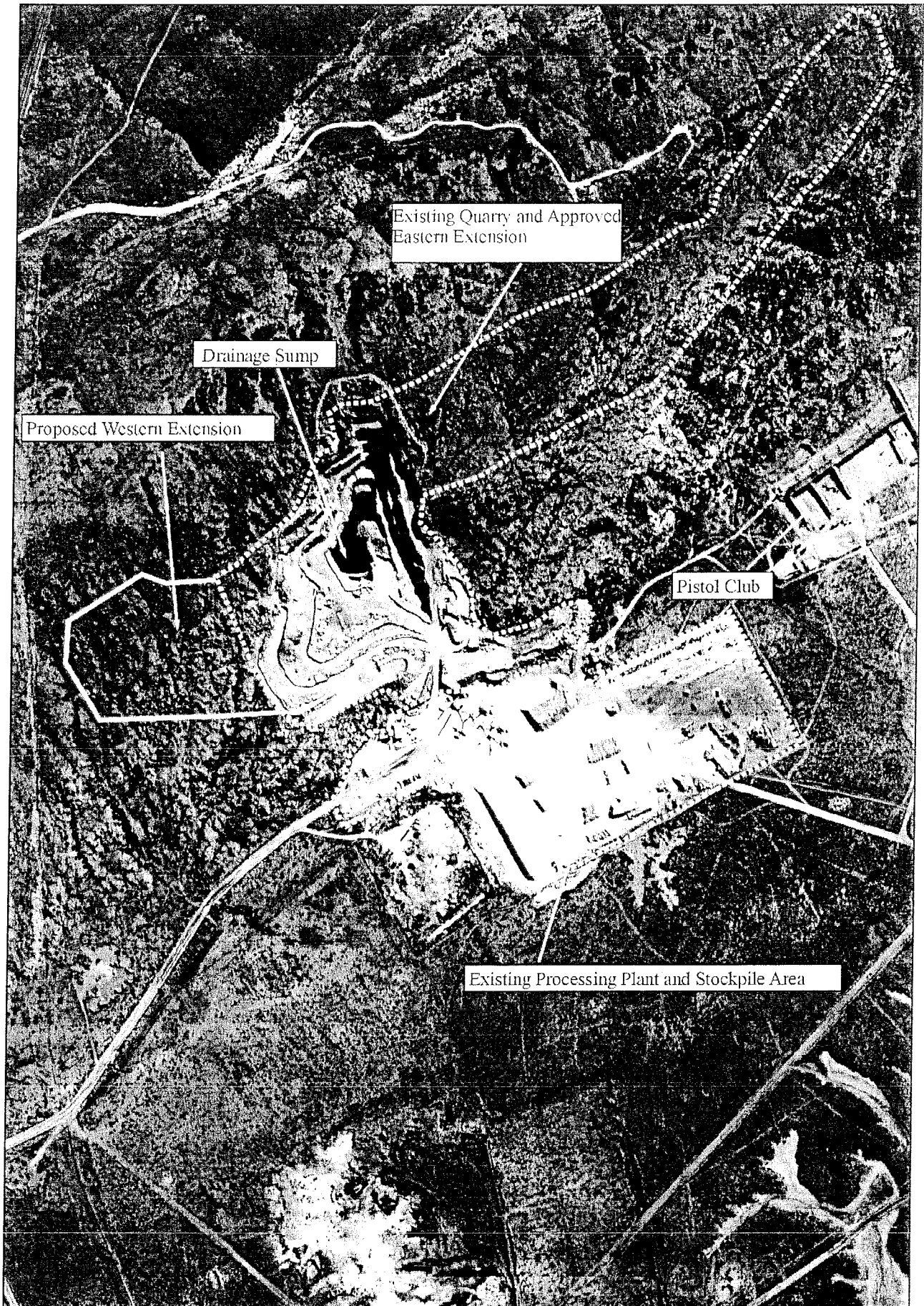


Figure 2 – Site layout plan



Figure 3: Areas to be removed from quarrying plans

Proponent's Environmental Management Commitments

of 1996, as revised in December 2005

**Hard Rock Quarry
ML 47/26, 255, 306, 309, 331, 333 & 353
Burrup Peninsula
Shire of Roebourne**

(Assessment 1377)

Readymix Holdings Pty Limited

Schedule 2

Proponent's Environmental Management Commitments (revised December 2005)

HARD ROCK QUARRY – ML 47/26, 255, 306, 309, 331, 333 & 353, BURRUP PENINSULA (Assessment No. 1377)

Note: The term "commitment" as used in this schedule includes the entire row of the table and its six separate parts as follows:

- a commitment number;
- a commitment topic;
- the 'action' to be undertaken by the proponent;
- the objective of the commitment;
- the timing requirements of the commitment; and
- the body/agency to provide technical advice to the Department of Environment.

No.	Topic	Action	Objective	Timing	Advice
1	Future expansion	Withdraw areas shown in figure 3 of schedule 1 from potential future quarrying plans.	To retain these areas for vegetation conservation.	Prior to commencement of mining of western extension	
2	Visual Amenity	Rehabilitate the upper bench of the south-facing quarry slopes which are visible from the plain by: <ol style="list-style-type: none"> 1. Reducing the finished visible faces to a maximum 1:1 slope. 2. Covering the reduced slopes with reddish brown coloured rocks and topsoil. 3. Encouraging establishment of vegetation (mainly <i>Triodia</i> (spinifex) species). 4. Seeding topsoiled areas with local seed if recolonisation is not progressing adequately within 18 months. 5. Meeting with the Department of Conservation and Land Management annually for five years to assess rehabilitation progress and options. 	To reduce the visual impact of the western quarry extension.	During operation of the quarry	Department of Conservation and Land Management

No.	Topic	Action	Objective	Timing	Advice
3	Visual Amenity	Construct the southern part of the quarry safety bund to heights of up to 2.5 metres.	To reduce the extent of the quarry faces visible from the plain.	During operation of the quarry	
4	Visual Amenity	Construct the visible part of the quarry safety bund with reddish brown coloured rocks and topsoil.	To blend in with the existing landscape.	During operation of the quarry	
5	Visual Amenity	Review the feasibility of relocating existing plant and stockpiles to within the quarry pit, and re-locate plant/stockpiles if practicable.	To reduce visual impact of the quarry.	Annually	
6	Rehabilitation and Decommissioning	Develop a detailed Rehabilitation and Decommissioning Plan. (See conditions 8 and 9).	To progressively rehabilitate and decommission the quarry to a standard consistent with the long-term land use.	Within 3 years following approval for the western extension, or prior to commencement of the western extension, whichever is the sooner.	Shire of Roebourne Department of Industry and Resources
7	Rehabilitation and Decommissioning	Implement the Rehabilitation and Decommissioning Plan referred to in commitment 6. (See conditions 8 and 9).	To achieve the objectives of the decommissioning plan.	During and post-operation	Department of Industry and Resources
8	Clearing of Vegetation.	Restrict clearing of vegetation to a practical minimum.	To minimise vegetation disturbance.	During operation of the quarry.	