

**MINISTER FOR THE ENVIRONMENT**

Statement No.

**000638**

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

**HAMERSLEY IRON DAMPIER PORT UPGRADE TO 95 MTPA CAPACITY**

**Proposal:** To increase the capacity of Hamersley Iron's iron ore operations at its Dampier Port from a licensed capacity of 80 million tonnes per annum (Mtpa) to 95 Mtpa, as documented in schedule 1 of this statement.

**Proponent:** Hamersley Iron Pty. Limited

**Proponent Address:** Level 22, Central Park, 152-158 St George's Terrace, PERTH WA 6004

**Assessment Number:** 1489

**Report of the Environmental Protection Authority:** Bulletin 1114

The proposal referred to above may be implemented by the proponent subject to the following conditions and procedures:

**1 Implementation and Changes**

- 1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions of this statement.
- 1-2 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment determines, on advice of the Environmental Protection Authority, is substantial, the proponent shall refer the matter to the Environmental Protection Authority.

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- 1-3 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment determines on advice of the Environmental Protection Authority, is not substantial, the proponent may implement those changes upon receipt of written advice.

## **2 Proponent Commitments**

- 2-1 The proponent shall implement the environmental management commitments documented in schedule 2 of this statement.
- 2-2 The proponent shall implement subsequent environmental management commitments which the proponent makes as part of the fulfilment of the conditions in 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 Environmental Protection 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 the proposal within five years of the date of this statement or the approval granted in this statement shall lapse and be void.

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

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the proposal 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 proposal.

## **5 Compliance Audit and Performance Review**

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

- 1 the status of implementation of the proposal described 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 Environmental Protection is empowered to audit 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 start of the operations phase, 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 the project; the targets for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those targets;
- 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 targets over the next five years, including improvements in technology and management processes.

5-3 The proponent shall submit a report prepared by an auditor approved by the Department of Environmental Protection under the "Compliance Auditor Accreditation Scheme" to the Chief Executive Officer of the Department of Environmental Protection on each condition/commitment of this statement which requires the preparation of a management plan, programme, strategy or system, stating that the requirements of each condition/commitment have been fulfilled within the timeframe stated within each condition/commitment.

## **6 Decommissioning**

6-1 Prior to commissioning, the proponent shall prepare a Preliminary Decommissioning Plan which provides the framework to ensure that the site is left in an environmentally acceptable condition to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The Preliminary Decommissioning Plan shall address:

1. rationale for the design of plant and infrastructure as relevant to environmental protection, and conceptual plans for the removal or, if appropriate, retention of plant and infrastructure;
2. a conceptual rehabilitation plan for all disturbed areas and a description of a process to agree on the end land use(s) with all stakeholders;
3. a conceptual plan for a care and maintenance phase; and
4. management of noxious materials to avoid the creation of contaminated areas.

6-2 At least six months prior to the anticipated date of decommissioning, or at a time agreed with the Environmental Protection Authority, the proponent shall prepare a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The Final Decommissioning Plan shall address:

1. removal or, if appropriate, retention of plant and infrastructure in consultation with relevant stakeholders;
2. rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s); and
3. identification of contaminated areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities.

- 6-3 The proponent shall implement the Final Decommissioning Plan required by condition 6-2 until such time as the Minister for the Environment determines, on advice of the Environmental Protection Authority, that the proponent's decommissioning responsibilities have been fulfilled.
- 6-4 The proponent shall make the Final Decommissioning Plan required by condition 6-2 publicly available, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

## **7 Dust Management**

- 7-1 Within two years following the date of publication of this statement, the proponent shall complete a review of the Dust Monitoring Program to better determine the proponent's contribution to the dust levels within the township of Dampier, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The review of the Dust Monitoring Program shall include the following:

- 1 Assessment of the distribution of dust impacts across the township of Dampier to determine whether the current monitoring site at the Dampier Primary School adequately represents dust levels within Dampier;
  - 2 Determine if the Dampier Primary School dust monitoring site complies with the Australian Standard 2923-1987 for wind measurements and, if not, establish a meteorological station which does comply with this standard, unless otherwise agreed with the Department of Environmental Protection;
  - 3 Incorporation of a PM<sub>2.5</sub> monitoring program (for a minimum of 12 months) in accordance with the National Environment Protection Measure PM<sub>2.5</sub> monitoring protocol;
  - 4 Development of a more sophisticated method for determining Hamersley Iron's contribution to dust levels within Dampier, including a review of the wind direction arc for the Parker Point and East Intercourse Island facilities to properly account for wind direction variability; and
  - 5 A summary of the modifications required to the Dust Monitoring Program.
- 7-2 Within three years following the date of publication of this statement, the proponent shall implement the modifications referred to in condition 7-1 (5) to upgrade the Dust Monitoring Program to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
  - 7-3 Within 12 months following commissioning of the upgraded facility, the proponent shall submit a report of a study on on-site dust sampling (Total Suspended Particles i.e. particulate matter less than 50 µm) prepared by an approved consultant, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The objective of this study is to upgrade the Dust Emissions Inventory referred to in condition 7-4.

7-4 The proponent shall update the Dust Emissions Inventory, based on the dust sampling study required by condition 7-3, to:

- 1 Incorporate new dust sources from the upgraded plant at Parker Point;
- 2 Determine the effectiveness of dust abatement measures which have been completed within the existing plant;
- 3 Confirm, where practicable, assumptions made in the proponent's Environmental Protection Statement (SKM, 2003) regarding dust emissions, including the Particulate Matter less than 10 µm component; and
- 4 Compare the estimated total dust emission with the predicted total dust emission presented in the abovementioned Environmental Protection Statement,

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

7-5 The proponent shall undertake Dust Dispersion Modelling for the upgraded operations at Dampier, based on the updated emissions inventory data, to demonstrate that dust impacts (Total Suspended Particulates and Particulate Matter less than 10 µm) on the town of Dampier are no greater than those prior to the upgrade (as documented in the proponent's Environmental Protection Statement, SKM, 2003).

7-6 Within 18 months following commissioning of the upgraded facility, the proponent shall submit a report of an approved consultant engaged to model the dust impacts on the town of Dampier and the King Bay Industrial area, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This report shall compare and contrast the dust dispersion modelling results with those presented in the abovementioned Environmental Protection Statement and the results obtained from the Dust Monitoring Program.

7-7 Prior to commissioning the upgraded facility, the proponent shall update the Dust Management Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The updated Dust Management Plan shall incorporate strategies to achieve an overall reduction in dust impacts on the town of Dampier and Aboriginal rock art sites, and shall include:

1. Identification of potential dust remediation works;
2. Commitments to undertake practicable dust remediation works;
3. Timelines to implement practicable dust remediation works;

4. A review of operational and maintenance procedures to ensure that dust emissions are minimised, including optimising the performance of dust suppression equipment, and where practicable, restricting potentially dusty operations during adverse weather conditions;
5. A dust level (PM<sub>10</sub>) reduction target on existing dust levels within the town of Dampier, and a plan to achieve the target dust level reduction;
6. Frequent reporting of ambient dust levels to the community;
7. Recording and investigating community complaints;
8. Investigation and recording of the cause for all exceedances of the National Environment Protection Measure (for particles as PM<sub>10</sub>) in the town of Dampier;
9. Reporting of dust monitoring, complaints and progress on dust remediation works; and
10. Management of dust levels to protect Aboriginal rock art sites.

7-8 Within three years following the date of publication of this statement, the proponent shall conduct a survey in Dampier and Karratha, undertaken by an approved consultant, to gauge the success in addressing community concerns related to impacts from dust, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The survey shall build upon the survey commissioned by the Dampier-Sampson Dust Working Group in 2001, such that outcomes can be readily compared.

7-9 Within nine months following the date of publication of this statement, the proponent shall conduct an analysis, undertaken by an approved consultant, to fully explore practicable options to achieve further significant reductions or preferably eliminate dust emissions from the 5E Conveyor and associated roadway, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Note: The options explored shall include enclosing the 5E Conveyor.

## 8 Noise

8-1 Prior to commissioning, the proponent shall prepare and implement a Noise Management Plan, prepared or audited by an approved independent acoustic engineer, to minimise impacts on the amenity of the town of Dampier, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The plan shall include, for each noise source in the new and existing plant that is likely to contribute to a noise emission that exceeds the prescribed standard under the *Environmental Protection (Noise) Regulations 1997*:

1. Practicable noise reduction measures, designed to be consistent with overall compliance with the prescribed standard;
  2. The estimated sound power level of the attenuated noise source;
  3. An acoustic model enabling prediction of source noise levels received in the town of Dampier;
  4. A source sound pressure level and monitoring point which characterise the noise source; and
  5. Timelines for the implementation of the noise reduction measures.
- 8-2 Prior to commissioning, the proponent shall prepare and implement a Noise Monitoring Program to verify the accuracy of the acoustic model and to confirm the effectiveness of the proposed noise reduction measures, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This program shall include monitoring and reporting of noise emissions at the monitoring point for each noise source (in the new and existing plant) that is likely to contribute to a noise emission that exceeds the prescribed standard under the *Environmental Protection (Noise) Regulations 1997*.

- 8-3 Within 12 months following commissioning, the proponent shall review, and subsequently modify, the maintenance and operating procedures, for new and existing plant, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The objective of the review is to facilitate minimising noise emissions, including where practicable, restrictions on the out-of-hours operations of noisy items of equipment (such as the existing car dumper), or scheduling of operations to minimise the out-of-hours use of noisy equipment.

- 8-4 Within 18 months following commissioning, the proponent shall undertake an acoustic modelling assessment of the new plant in isolation, using noise emissions data from the noise monitoring program, to determine if the assigned noise levels under the *Environmental Protection (Noise) Regulations 1997* are met in the town of Dampier, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 8-5 In the event that the new plant in isolation does not meet the assigned noise levels, the proponent shall implement further noise abatement measures, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.



## **9 Marine Flora and Fauna**

- 9-1 Prior to 31 December 2005, the proponent shall conduct a field survey of the current distribution of coral reef habitat\* within the "Special Lease 3116/3471 (Dampier Offshore Lease)", outside periods when water clarity is affected by dredging in the vicinity of the survey area, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

In the survey, the proponent shall:

- 1 Identify the location, spatial extent and percent cover of the different scleractinian coral communities in the area; and
- 2 Record existing scleractinian corals observed within the communities to species level.

\* Note: "Coral reef habitat" is defined as "areas of the seafloor that support scleractinian corals at a density of greater than 10% cover".

- 9-2 Prior to 31 December 2005, the proponent shall determine the original historical\* distribution of scleractinian coral reef habitat within the Hamersley Iron State Agreement Act area and determine the cumulative coral loss resulting from human activity, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This investigation shall:

- 1 employ historical aerial photographic records, previous environmental review documents, management plans, monitoring programs and other relevant information to assist in determining the original extent of coral habitat and historical losses; and
- 2 provide best, most probable and worst case estimates of coral reef habitat loss and the assumptions used for each estimate.

\* Note: "Historical distribution of scleractinian coral reef habitat" is defined as "the original distribution of coral reef habitat with a density of greater than 10% cover of the seafloor prior to European impact".

- 9-3 Prior to commissioning, the proponent shall prepare, and subsequently implement, a Marine Management Program, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This Program shall address the following:

- 1 establishment of the environmental values and environmental quality objectives (as defined in the Environmental Protection Authority document Perth's Coastal Waters, Environmental Values and Objectives) which explicitly identify uses and values and where they will be protected;

- 2 the environmental quality criteria to be met in order to sustain each environmental quality objective;
- 3 water and sediment quality surveys, including the determination of contaminants, turbidity, temperature, dissolved oxygen and pH;
- 4 contaminant accumulation in biological tissues (eg. deployed oysters);
- 5 characterisation of the effluent and spatial extent of the Power Station outfall;
- 6 benthic habitat health surveys, including clear objectives to measure spatial and temporal changes/variation;
- 7 spatial changes to distribution of coral habitat;
- 8 regular marine pest surveys (every three years);
- 9 oil and chemical spill response;
- 10 a management framework to prevent or mitigate any identified environmental impacts; and
- 11 other parameters as determined by the Environmental Protection Authority from time to time.

Note: In preparation of advice to the Minister, the Environmental Protection Authority expects that advice of the following agencies will be obtained:

- Department for Planning and Infrastructure (Maritime Transport)
- Department of Fisheries; and
- Department of Conservation and Land Management.

- 9-4 The proponent shall make the Marine Management Program required by condition 9-3 publicly available, and report annually on its implementation, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 9-5 The proponent shall design the blending stockpile and bulk heap storage areas to avoid stormwater run-off and other potential impacts on the adjacent marine environment, particularly the coral community, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

## **Procedures**

- 1 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 Environmental Protection for the preparation of written advice to the proponent.

- 2 The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environmental Protection.
- 3 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 Environmental Protection.

#### Notes

- 1 The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environmental Protection over the fulfilment of the requirements of the conditions.
- 2 Within this statement, to "have in place" means to "prepare, implement and maintain for the duration of the proposal".
- 3 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*.
- 4 Compliance and performance reporting will endeavour to be in accord with the timing requirements of the *Iron Ore (Hamersley Range) Agreement Act 1963*.



Dr Judy Edwards MLA  
MINISTER FOR THE ENVIRONMENT

20 NOV 2003

## Schedule 1

### The Proposal (Assessment No. 1489)

The proposal is to increase the capacity of the iron ore operations at Dampier Port from a licensed capacity of 80 million tonnes per annum (Mtpa) to 95 Mtpa. The main works associated with the port upgrade are proposed for the Parker Point terminal (capacity increase from 35 Mtpa to 50 Mtpa).

The main characteristics of the proposal are summarised in Table 1 below.

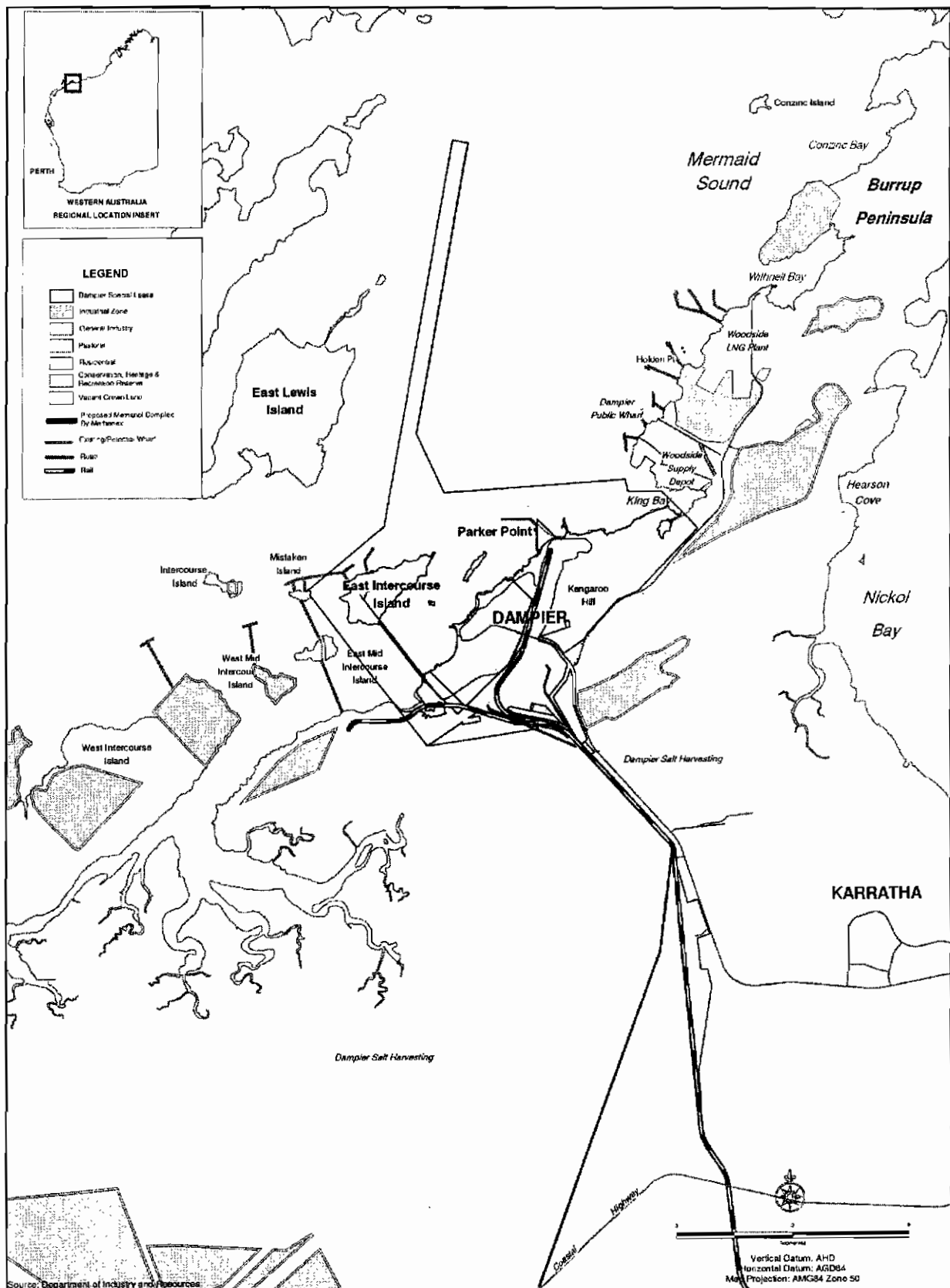
**Table 1: Key Proposal Characteristics**

Characteristic	Existing Parker Point Operations	Parker Point Operations Following Port Upgrade
Project Life	50 years	50 years
Port Capacity	35Mtpa	50Mtpa
Berth Capacity	180,000 DWT	220,000 DWT
Wharf Length	295m	795m
Number of Shiploading Berths	1	2
Blending stockpile live capacity	1.6 Mt	4.7 Mt
Bulk stockpile capacity	4 Mt	4 Mt
Number of train arrivals	4 per day	6 per day
Rail dump cycle	130 seconds	80 seconds
Facility Footprint	120 ha	186 ha
Major Plant Components	1 Car Dumper 1 Lump Re-screening Plant and 1 Sample Station 2 Stackers 2 Reclaimers 1 Shiploader 9 Stockpiles	2 Car Dumpers 2 Lump Re-screening Plants and 1 Sample Station 4 Stackers 3 Reclaimers 2 Shiploaders 24 Stockpiles
Plant Operation	24-hours, 7-days per week	24-hours, 7-days per week
Water Requirements	1,500ML/yr	2,000ML/yr
Shipping Movements	Approx. 500 ships per year (Parker Point and East Intercourse Island)	Approx. 690 ships per year (Parker Point and East Intercourse Island)
Workforce	Operations approx. 430 personnel	Construction approx. 350 personnel Operations approx. 430 personnel

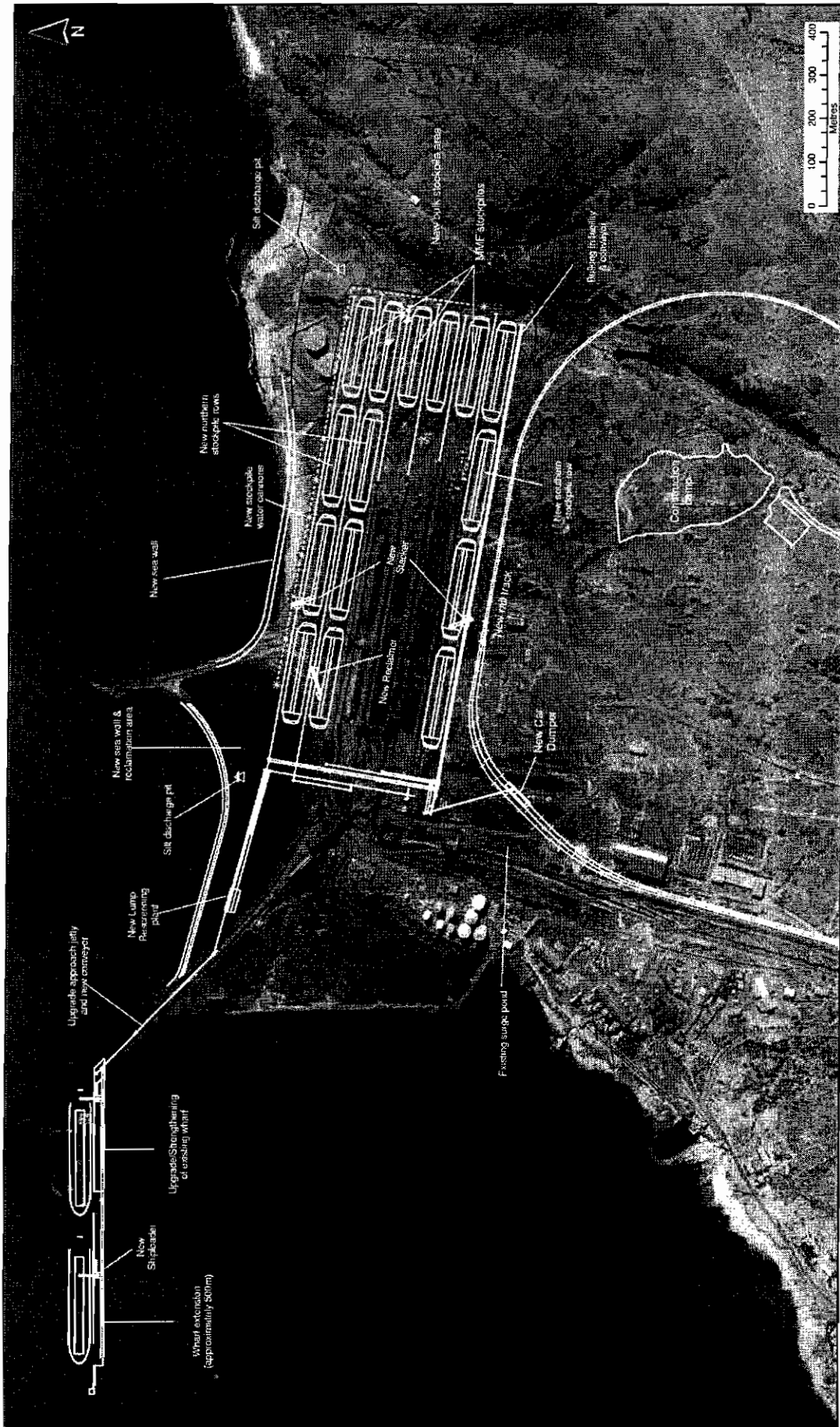
### Figures (attached)

Figure 1 - Locality Plan

Figure 2 - Layout Plan



**Figure 1: Locality Plan**



**Figure 2:** *Layout Plan*

**Proponent's Environmental Management Commitments**

19 November 2003

**Hamersley Iron - Dampier Port Upgrade to  
95 Mtpa**

(Assessment No. 1489)

## Proponent's Environmental Management Commitments

### Dampier Port Upgrade to 95 Mtpa (Assessment No. 1489) – 19 November 2003

**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 Environmental Protection.

Commitment No	Topic	Action	Objective	Timing	Advice
1.0	Construction Environmental Management	Develop a Construction Environmental Management Program (CEMP) that includes the following plans: <input type="checkbox"/> Flora and Vegetation Management; <input type="checkbox"/> Fauna Management; <input type="checkbox"/> Construction Dust Management; <input type="checkbox"/> Construction Noise Management; <input type="checkbox"/> Blasting Management; <input type="checkbox"/> Waste Management; <input type="checkbox"/> Water Management; <input type="checkbox"/> Stormwater Management; <input type="checkbox"/> Aboriginal Heritage Site Management; and <input type="checkbox"/> Traffic Management.	To manage all relevant environmental factors associated with the construction phase of the upgrade.	Pre-construction	CALM Shire of Roebourne Main Roads DoIR



Commitment No	Topic	Action	Objective	Timing	Advice
1.1		<p>Prepare a Flora and Vegetation Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Site clearance procedures; and</li> <li><input type="checkbox"/> Weed management.</li> </ul> <p>Implement the Flora and Vegetation Management Plan</p>	To manage construction impacts on vegetation, flora and particularly Priority Flora.	Pre-construction	CALM
1.2		<p>Prepare a Fauna Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Procedures for fauna handling and evacuating procedures;</li> <li><input type="checkbox"/> Procedures to minimise impacts on Pilbara Olive Python</li> <li><input type="checkbox"/> Procedures to control introduced species; and</li> <li><input type="checkbox"/> Procedures for ensuring disturbance is kept within designated areas of the project site</li> </ul> <p>Implement the Fauna Management Plan</p>	To minimise impacts on fauna	Pre-construction	CALM
1.3		<p>Prepare a Construction Dust Management Plan that includes procedures for controlling dust emissions and monitoring of the performance of implemented dust control strategies</p> <p>Implement the Construction Dust Management Plan</p>	To ensure dust generated during construction does not cause any environmental or human health problem or adversely impact on amenity	During construction Pre-construction	
1.4		<p>Prepare a Construction Noise Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The use of low level noise equipment where practicable;</li> <li><input type="checkbox"/> Hours of operation; and</li> <li><input type="checkbox"/> Noise monitoring and reporting.</li> </ul> <p>Implement Construction Noise Management Plan</p>	To minimise construction noise emissions and comply with Noise regulations	During construction Pre-construction	Shire of Roebourne
1.5		<p>Prepare a Blasting Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Procedures to address the issue of ground vibration from blasting activities; and</li> <li><input type="checkbox"/> Procedures to address the issue of the gas pipeline in the vicinity of blasting to be conducted for car dumper.</li> </ul> <p>Implement the Blasting Management Plan</p>	To ensure that blasting complies with Australian Standards and minimise risk to gas pipeline	During construction Pre-construction	DoIR

Commitment No	Topic	Action	Objective	Timing	Advice
1.6		<p>Prepare a Waste Management Plan based on a waste management hierarchy and include a solid waste inventory and procedures for sorting and disposing of solid wastes during construction.</p> <p>Implement Waste Management Plan</p>	To minimise waste.	Pre-construction	Shire of Roebourne
1.7		<p>Prepare a Water Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Re-use/disposal of water generated from de-watering during construction of new car-dumper;</li> <li><input type="checkbox"/> Opportunities for the collection and possible re-use of storm water or washdown water at Parker Point; and</li> <li><input type="checkbox"/> Use of water for dust suppression.</li> </ul> <p>Implement Water Management Plan</p>	To minimise water consumption	<p>During construction</p> <p>Pre-construction</p>	
1.8		<p>Prepare a Stormwater Management Plan that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Diversion of drainage lines;</li> <li><input type="checkbox"/> Surface water management and monitoring programme; and</li> <li><input type="checkbox"/> Stormwater management.</li> </ul> <p>Implement Stormwater Management Plan.</p>	To minimise erosion and impacts to downstream environments	<p>During construction</p> <p>Pre-construction</p>	
1.9		<p>Prepare an Aboriginal Heritage Site Management Plan addressing:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Development of a management strategy for any known heritage sites susceptible to disturbance during construction; and</li> <li><input type="checkbox"/> Provide cultural awareness training to the construction workforce.</li> </ul> <p>Implement Aboriginal Heritage Site Management Plan</p>	<p>To protect known heritage sites from inadvertent damage or preserve the items of significance at an appropriate alternative location.</p> <p>To minimise disturbance to areas of Aboriginal cultural significance.</p> <p>To increase awareness of any Aboriginal sites of significance that may be uncovered during construction.</p>	<p>During construction</p> <p>Pre-construction</p>	<p>Department of Indigenous Affairs</p> <p>Relevant Aboriginal groups</p>

Commitment No	Topic	Action	Objective	Timing	Advice
1.10		<p>Prepare a Traffic Management Plan that will focus on:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Restricting vehicle access to designated routes such that unnecessary disturbance to the surrounding environment is prevented; and</li> <li><input type="checkbox"/> Monitoring the transportation of oversized loads.</li> </ul> <p>Implement the Traffic Management Plan</p>	To minimise potential traffic impacts	Pre-construction	MRWA Shire of Roebourne
2	Dust	<p>Review and update the current Dust Management Plan to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Incorporate the proposed dust control initiatives associated with the port upgrade;</li> <li><input type="checkbox"/> Review operational and maintenance procedures so that all new and upgraded dust suppression equipment is operated in an appropriate manner to produce optimal performance;</li> <li><input type="checkbox"/> Set long-term targets to achieve overall reduction in existing dust impacts.</li> </ul> <p>Implement the updated Dust Management Plan.</p>	To reduce dust levels within the town of Dampier from the Dampier Port Operations through continuous improvement.	During construction Pre-commissioning	
3	Dust	<p>Modify the current dust monitoring program in order to take account of the port upgrade and to better understand its contribution to dust levels within Dampier.</p> <p>Review the dust monitoring data from the modified dust monitoring program against the predictions of the dust modelling assessment.</p>	As above To improve existing dust monitoring programme.	Ongoing Pre-commissioning	
4	Noise	<p>Develop a Noise Management Program for new and existing plant that includes:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Identification of main noise sources;</li> <li><input type="checkbox"/> Practicable noise remediation works;</li> <li><input type="checkbox"/> Timeframe to implement noise remediation works;</li> <li><input type="checkbox"/> Procedures to minimise noise emissions, particularly during out of hours;</li> <li><input type="checkbox"/> Noise Monitoring; and</li> <li><input type="checkbox"/> Complaint Management Procedures.</li> </ul> <p>Implement the Noise Management Program.</p>	To confirm the modelling assessment and understand the implications of dust from the Dampier Operations on the town of Dampier. To work towards compliance with Noise Regulations.	Post-commissioning Pre-commissioning	
			As above	Ongoing	

Commitment No	Topic	Action	Objective	Timing	Advice
5	Water Supply	Develop a water balance for the port operations, incorporating the port upgrade, to identify opportunities for reductions in water demand. <input type="checkbox"/> Conditioning of the ore at the mine sites, where practicable; <input type="checkbox"/> Minimising water use; and <input type="checkbox"/> Recycling water.	To better understand where water is used and minimise water use.	Pre-commissioning  Ongoing	
6	Water Supply	Implement water recycling and water minimisation initiatives and progress a staff awareness program of water use minimisation.	To reduce the water supply demand from the port operations.	During construction and ongoing	
7	Marine Environment	Develop and implement a long-term marine monitoring programme.	To identify any impacts on the marine environment	Pre-commissioning	CALM
8	Aboriginal Heritage	Consult with relevant Aboriginal groups regarding the identification and assessment of significance of Aboriginal heritage sites within the port upgrade area.	To identify significant Aboriginal heritage sites.	Pre-construction	Relevant Aboriginal groups
9	Aboriginal Heritage	Develop a Section 18 application to the ACOMC in consultation with the three Aboriginal claimant groups, where direct impacts on Aboriginal sites cannot otherwise be avoided.	To consider the views of relevant Aboriginal groups in protection of Aboriginal heritage sites.	Pre-construction	Minister for Aboriginal Affairs
10	Aboriginal Heritage	Evaluate reasonable protective measures with Aboriginal groups where the remaining Aboriginal sites within the lease are at risk from indirect impacts from construction works. Implement those measures as required.	To consider the views of relevant Aboriginal groups in protection of Aboriginal heritage sites.	Pre-construction	Minister for Aboriginal Affairs, Department of Indigenous Affairs
11	Stakeholder Consultation Strategy	Prepare a Stakeholder Consultation Strategy that includes: <input type="checkbox"/> Identification of relevant stakeholders including; but not limited to, community groups, Aboriginal groups, environmental groups, local government and government agencies; <input type="checkbox"/> Outlining opportunities to discuss the management plans and monitoring programmes with stakeholders; and <input type="checkbox"/> Reporting on environmental performance. Implement the Stakeholder Consultation Strategy.	To ensure continuation of consultation with stakeholders, including the Shire of Roebourne and Aboriginal groups, and that outcomes are incorporated into the management of the proposal.	Pre-construction.	
			As above	Ongoing	

Commitment No	Topic	Action	Objective	Timing	Advice
12	Aboriginal Rock Art Monitoring.	<p>Involvement in Aboriginal Rock Art Monitoring by:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Undertaking a rock art monitoring programme, for rock art in the vicinity of the operations, through the technical Working Group on Burrup Rock Art Monitoring which is examining the issue of industrial impacts on rock art on the Burrup Peninsula; and</li> <li><input type="checkbox"/> Issuing a letter to the technical Working Group on Burrup Rock Art Monitoring stating the Company's desire to be involved in monitoring/studies on dust impact on rock art.</li> </ul> <p>[The proponent is not responsible for any delays in commencing the studies through Government tendering processes.]</p>	To assess the potential impacts of iron ore dust on Aboriginal rock art and the longer term condition of rock art in the vicinity of operations.	<p>Ongoing</p> <p>Prior to construction</p>	Working Group on Burrup Rock Art Monitoring.

With respect to management plans, programmes, strategies, systems and the like required within the conditions and/or committed to by the proponent, the proponent shall obtain third party certification by an accredited auditor that the proponent has met the requirements and adequately addressed the topics included at frequencies advised by the Department of Environmental Protection.

#### Abbreviations:

CALM = Department of Conservation & Land Management  
DoIR = Department of Industry & Resources.  
MRWA = Main Roads WA

Attachment to Statement 638 – Change to Definition of Proposal.

**Proposal:** Hamersley Iron Dampier Port Upgrade

**Proponent:** Hamersley Iron Pty Limited

**Change:** to the location of the seawall, resulting in an extra amount of coral loss by the reclamation of 4ha of land, which is within the approved footprint of 186ha.

From:

Element	Quantities/Description
Coral community loss	Approximately 1 ha total
Layout Plan	Figure 2

To:

Element	Quantities/Description
Coral community loss	Approximately 2.5 ha total
Layout Plan	Revised Figure 2

**Approval Date:** 1A AUGUST, 2005

Figure 2

Coral Communities

Previous sea wall extension

Proposed sea wall

77417,800mN

77417,600mN

77417,400mN

77417,200mN



Mscience Pty Ltd  
Perth  
Western Australia

Projector:  
Mscience Pty Ltd

Date: 11/7/2005

Author: jps

Scale: 1:5,000



Figure 3

Proposed seawall construction at King Bay  
showing location of coral communities.

admin@mscience.biz - www.mscience.biz