



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4387/1
Permit Holder:	Hamersley Iron Pty Ltd
Duration of Permit:	25 July 2011 – 25 July 2016

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of road construction and maintenance and associated works.

2. Land on which clearing is to be done

NORTH WEST COASTAL HIGHWAY ROAD RESERVE (MAITLAND 6714)
PART LOT 264 ON PLAN 220363 (MAITLAND 6714)
LOT 530 ON PLAN 221145 (MAITLAND 6714)
LOT 693 ON PLAN 30490 (MAITLAND 6714)

3. Area of Clearing

The Permit Holder must not clear more than 15.5 hectares of native vegetation within the area hatched yellow on attached Plan 4387/1.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the Land Administration Act 1997 or any other written law.

6. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

8. Weed control

(a) When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds*:

- (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

9. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

- (a) retain the vegetative material and topsoil removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil; and
- (b) within 6 months following clearing authorised under this permit, *revegetate* and *rehabilitate* the area(s) that are no longer required for the purpose for which they were cleared under this Permit by:
 - (i) re-shaping the surface of the land using the topsoil retained so that it is consistent with the surrounding 5 metres of uncleared land;

PART III - RECORD KEEPING AND REPORTING

10. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
 - (i) the species composition, structure and density of the cleared area;
 - (ii) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).
- (b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 9 of this Permit:
 - (i) the location of any areas *revegetated* and *rehabilitated*, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
 - (ii) the size of the area *revegetated* and *rehabilitated* (in hectares);

11. Reporting

(a) The Permit Holder must provide to the CEO on or before 31 July of each year, a written report:

- (i) of records required under condition 10 of this Permit; and
- (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June of the preceding year.

(b) Prior to 25 April 2016, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(a) of this Permit.

DEFINITIONS

The following meanings are given to terms used in this Permit:

fill means material used to increase the ground level, or fill a hollow;

mulch means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

rehabilitate/ed/ion means actively managing an area containing native vegetation in order to improve the ecological function of that area;

revegetate/ed/ion means the re-establishment of a cover of *local provenance* native vegetation in an area using methods such as natural *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area.

weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

*Officer delegated under Section 20
of the Environmental Protection Act 1986*

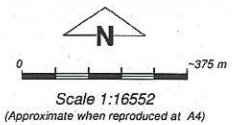
29 June 2011

Plan 4387/1



LEGEND

- Cadastre for labelling
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Dampier and Extensions 50cm
- Orthomosaic - Landgate 2008



Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

K Faulkner Date 29/6/11

K Faulkner
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 4387/1
 Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Hamersley Iron Pty Ltd

1.3. Property details

Property: ROAD RESERVE (MAITLAND 6714)
 PART LOT 264 ON PLAN 220363 (MAITLAND 6714)
 LOT 530 ON PLAN 221145 (MAITLAND 6714)
 LOT 693 ON PLAN 30490 (MAITLAND 6714)
 Local Government Area: SHIRE OF ROEBOURNE
 Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
15.5		Mechanical Removal	Road construction or maintenance.

1.5. Decision on application

Decision on Permit Application: Grant
 Decision Date: 29 June 2011

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
Beard Vegetation Association 589 Described as a Mosaic: Short bunch grassland savanna, with soft spinifex hummock grasslands (Shepherd, 2009)	Hamersley Iron Pty Ltd has applied to clear up to 15.5ha of native vegetation for the purpose of road construction and maintenance and associated works.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The vegetation condition was derived from satellite imagery (Dampier and Extensions 50cm Orthomosaic – Landgate 2008) and a flora survey conducted by Rio Tinto and a consultant Botanist in August 2010 (Rio Tinto, 2010).
		Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**
 Approval for Hamersley Iron Pty Ltd to clear 40.5 hectares (CPS 2546/1) for the construction of a power station (7 Mile Power Station) was granted by DOIR (now DMP) on 7 August 2008. This application is for an additional 15.5 hectares to construct and maintain an all weather access route for the daily commute to the power station. The route the access road takes follows an existing temporary access road that intersects with North-West Coastal Highway.

The vegetation under application ranges from "completely degraded" (Keighery, 1994) to "very good" (Keighery, 1994) condition (Rio Tinto, 2010). A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 2546/1.

Methodology References:
 Keighery (1994)
 Rio Tinto (2010)
 GIS database:
 - SAC Biodatasets (accessed 8 June 2011)
 - Pre European Vegetation (DA 2001)
 - Hydrography linear - DOW 13/7/06
 - Soils, Statewide DA 11/99

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

Rio Tinto has applied for a Section 91 licence under the *Land Administration Act 1997* to access the land to construct the access road.

The Shire of Roebourne recommends that MRWA are consulted in regard to this application as part of the application falls within a road reserve (North West Coastal Highway) that MRWA manage (Shire of Roebourne, 2011).

Main Roads Western Australia (MRWA) have agreed to authorise the works to connect the access route from the power station to North-West Coastal Highway, subject to certain conditions including that all work shall be completed in accordance with Main Roads specification.

No submissions from the public have been received.

Methodology

References:

Shire of Roebourne (2011)

GIS database:

- Cadastre - Landgate Dec 07

4. References

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Rio Tinto Iron Ore (2010) Addendum to the Botanical Survey of the 7 Mile Power Station Report, Clearing Permit. Supporting Documentation, Western Australia.
- Shepherd, D.P. (2009) Adapted from: Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.
- Shire of Roebourne (2011) Application to Clear Native Vegetation Submission dated 10 June 2011, DEC Ref: A403410

5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)