



## CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

### PERMIT DETAILS

Purpose Permit Number: 3506 / 2  
File Number: A2189/200901  
Duration of Permit: From 25 November 2010 to 31 March 2015

### PERMIT HOLDER

Hammersley Iron Pty Ltd

### LAND ON WHICH CLEARING IS TO BE DONE

Iron Ore (Hammersley Range) Agreement Act 1963,  
Mineral Lease 4SA (AML 70/4)

### PURPOSE FOR WHICH THE CLEARING MAY BE DONE

1. Clearing for the purpose of mineral exploration, hydrogeological investigations and fencing.

### CONDITIONS

#### Type of clearing authorised

1. The Permit Holder must not clear more than 9.6 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 3506/2.

#### Avoid, minimise etc clearing

2. 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:
  - (i) avoid the clearing of native vegetation;
  - (ii) minimise the amount of native vegetation to be cleared; and
  - (iii) reduce the impact of clearing on any environmental value.

#### Weed control

3. 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.

#### Retain vegetative material and topsoil, revegetation and rehabilitation

4. 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 within the area cross-hatched yellow on attached Plan 3506/2.
  - (b) Within 6 months following completion of clearing authorised under this permit, *revegetate* and *rehabilitate* the areas 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 so that it is consistent with the surrounding 5 metres of uncleared land; and
    - (ii) laying the vegetative material and topsoil retained under Condition 4(a) on the cleared areas.

- (c) Engage a *botanist* to determine that the areas rehabilitated under Condition 4(b) achieve species composition, structure and density comparable to adjacent undisturbed areas.
- (d) Develop and implement a comprehensive research and annual monitoring program to demonstrate progress towards, and achievement of, the requirements of Condition 4(c). Where, in the opinion of a *botanist*, the composition structure and density determined under Condition 4(c) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, the Permit Holder shall implement remedial management measures as required to achieve the requirements of Condition 4(c).

#### Records to be kept

5. 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 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;
    - (ii) the date that the area was cleared;
    - (iii) the size of the area cleared (in hectares); and
    - (iv) purpose for which clearing was undertaken.
  - (b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to Conditions 4(a), 4(b) and 4(c) 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;
    - (ii) a description of the *revegetation* and *rehabilitation* activities undertaken;
    - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares); and
    - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*.

#### Reporting

6. (a) The Permit Holder shall provide the Director, Environment Division, Department of Mines and Petroleum, an annual report on rehabilitation activities, any remedial management measures, and the results of the monitoring program by 31 July each year for the life of this permit.
- (b) The Permit Holder shall provide a report to the Director, Environment Division, Department of Mines and Petroleum by 31 July each year for the life of this permit, demonstrating adherence to all conditions of this permit, and setting out the records required under Conditions 5(a) and 5(b) of this permit in relation to clearing carried out between 1 July and 30 June of the previous financial year.
- (c) Prior to 31 March 2015, the Permit Holder must provide to the Director, Environment Division, Department of Mines and Petroleum a written report of records required under Conditions 5(a) and 5(b) of this Permit where these records have not already been provided under Conditions 6(a) and 6(b) of this Permit.

#### Definitions

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

*botanist* means a person with specific training and/or experience in the ecology and taxonomy of Western Australian flora;

*direct seeding* means a method of re-establishing vegetation through the establishment of a seed bed and the introduction of seeds of the desired plant species;

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

*local provenance* means native vegetation seeds and propagating material from natural sources within 10 kilometres of the area cleared;

*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;



*planting* means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

*regenerate/ed/ion* means *revegetation* that can be established from in situ seed banks contained either within the topsoil or seed-bearing *mulch*;

*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 *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*.



Phil Gorey  
DIRECTOR  
ENVIRONMENT DIVISION  
DEPARTMENT OF MINES AND PETROLEUM

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

25 November 2010