



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

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| Purpose Permit number: | 4594/8 |
| Duration of Permit: | From 7 January 2012 to 31 December 2028 |
| Permit Holder: | Hamersley Iron Pty Ltd |

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

PART I - CLEARING AUTHORISED

- 1. Land on which clearing is to be done**
Iron Ore (Hamersley Range) Agreement Act 1968, Mineral Lease 246SA (AML 70/246)
- 2. Purpose for which clearing may be done**
Clearing for the purposes of mineral exploration, geotechnical investigations, hydrogeological investigations, construction camp and associated activities.
- 3. Area of Clearing**
The Permit Holder must not clear more than 251.4 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 4594/8.
- 4. Period in which clearing is authorised**
The Permit Holder shall not clear any native vegetation after 30 June 2023.
- 5. Clearing not authorised**
The Permit Holder shall not clear any native vegetation within the areas shaded red on attached Plan 4594/8.
- 6. 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.

PART II - MANAGEMENT CONDITIONS

- 7. Avoid, minimise and reduce the impacts and extent of 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

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. Flora management

Where *Aluta quadrata* have been identified and their written locations provided to the *CEO* within the report 'Western Range Phase I: Vegetation and Flora Summary Report, prepared for Rio Tinto Iron Ore by Biota Environmental Sciences, December 2009', the Permit Holder shall ensure that:

- (i) no clearing occurs within 50 metres of identified *Aluta quadrata*, unless approved by the *CEO*.

10. Fauna management

- (a) Prior to undertaking any clearing authorised under this Permit, the Permit holder shall engage a *fauna specialist* to identify habitat suitable for:

- (i) *Dasyurus hallucatus* (Northern Quoll) dens;
- (ii) *Rhinonictoris aurantius* (Pilbara Orange Leaf-nosed Bat) roost caves and adits; and
- (iii) *Macroderma gigas* (Ghost Bat) roost caves.

- (b) Prior to undertaking any clearing within or within 50 metres of habitat considered suitable for dens or roosts as identified in relation to Condition 10(a) of this Permit, the areas shall be inspected by a *fauna specialist* for the presence of *Dasyurus hallucatus* (Northern Quoll) dens, *Rhinonictoris aurantius* (Pilbara Orange Leaf-nosed Bat) roost caves and adits or *Macroderma gigas* (Ghost Bat) roost caves.

- (c) Where *Dasyurus hallucatus* (Northern Quoll) dens, *Rhinonictoris aurantius* (Pilbara Orange Leaf-nosed Bat) roost caves and adits or *Macroderma gigas* (Ghost Bat) roost caves are identified in relation to Condition 10(b) of this Permit, the Permit Holder shall ensure that no clearing occurs within 50 metres of the identified *Dasyurus hallucatus* (Northern Quoll) dens, *Rhinonictoris aurantius* (Pilbara Orange Leaf-nosed Bat) roost caves and adits or *Macroderma gigas* (Ghost Bat) roost caves, unless approved by the *CEO*.

11. 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 in an area that has already been cleared;
- (b) within 12 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;
 - (ii) ripping the ground on the contour to remove soil compaction; and
 - (iii) laying the vegetative material and topsoil retained under Condition 11(a) on the cleared area.
- (c) within 4 years of undertaking *revegetation* and *rehabilitation* in accordance with Condition 11(b) of this Permit:
 - (i) engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
 - (ii) where, in the opinion of an *environmental specialist*, the composition structure and density determined under Condition 11(c)(i) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density of native vegetation to pre-clearing vegetation types in that area and ensuring only *local provenance* seeds and propagating material are used.

PART III - RECORD KEEPING AND REPORTING

12. Records to 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 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 or decimal degrees;
 - (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 fauna management pursuant to Condition 10 of this Permit:
 - (i) the location of each habitat identified 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 species name of fauna reasonably likely to utilise, or that have been observed utilising the habitat; and
 - (iii) a copy of the *fauna specialist's* report.

- (c) In relation to the *revegetation* and *rehabilitation* of areas pursuant to Condition 11 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) a description of the *revegetation* and *rehabilitation* activities undertaken; and
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares).

- (d) actions taken to avoid, minimise and reduce the impacts and the extent of clearing in accordance with Condition 7 of this Permit; and

- (e) actions taken to minimise the introduction and spread of *weeds* in accordance with Condition 8 of this Permit.

13. Reporting

- (a) The Permit Holder shall provide a report to the General Manager Environmental Compliance, Resource and Environmental Compliance Division, Department of Mines, Industry Regulation and Safety by 30 June each year for the life of this permit, demonstrating adherence to all conditions of this permit, and setting out the records required under Condition 12 of this permit in relation to clearing carried out between 1 January and 31 December of the previous calendar year.

- (b) Prior to 31 December 2028, the Permit Holder must provide to the General Manager Environmental Compliance, Resource and Environmental Compliance Division, Department of Mines, Industry Regulation and Safety a written report of records required under Condition 12 of this Permit where these records have not already been provided under Condition 13(a) of this Permit.

DEFINITIONS

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

CEO means the Chief Executive Officer of the Department of Water and Environmental Regulation or an Officer with delegated authority under Section 20 of the *Environment Protection Act 1986*;

fauna specialist means a person who holds a tertiary qualification specialising in environmental science or equivalent, and has a minimum of 2 years work experience in fauna identification and surveys of fauna native to the region being inspected or surveyed, or who is approved by the *CEO* as a suitable fauna specialist for the bioregion;

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;

environmental specialist means a person who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit, or who is approved by the *CEO* as a suitable environmental specialist;

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 200 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion 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 re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) 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 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 any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Biodiversity, Conservation and Attractions Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



Dan Endacott
General Manager Environmental Compliance
Resource and Environmental Compliance Division
30 April 2020

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