



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

### PERMIT DETAILS

Purpose Permit Number: 3098 / 1  
File Number: A0713/200901  
Duration of Permit: From 18 July 2009 to 15 March 2014

### PERMIT HOLDER

Iluka Resources Ltd

### LAND ON WHICH CLEARING IS TO BE DONE

*Mineral Sands (Eneabba) Agreement Act 1975*  
Mining Lease 267SA (AM 70/267)

### PURPOSE FOR WHICH THE CLEARING MAY BE DONE

1. Clearing for the purposes of mineral production.

### CONDITIONS

#### Type of clearing authorised

1. The Permit Holder shall not clear more than 12.08 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 3098/1.

#### 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.

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

#### Revegetation and rehabilitation

4. The Permit Holder must *revegetate* and *rehabilitate* all areas cleared pursuant to this Permit by:
  - (i) 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
  - (ii) ensuring only *local provenance* seeds and propagating material sourced from within 30 kilometres of the area cleared are used to *revegetate* and *rehabilitate* the area.

### Records to be kept

5. The Permit Holder shall 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 Easting's and Northing's;
- (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 condition 4 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 Easting's and Northing's;
- (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 a report to the Director, Environment Division, Department of Mines and Petroleum by 15 March each year for the life of this permit, demonstrating adherence to all conditions of this permit, and setting out the records required under Condition 5 of this permit in relation to clearing carried out between 1 July and 30 June of the previous financial year.

(b) Prior to 15 March 2014, the Permit Holder must provide to the Director, Environment Division, Department of Mines and Petroleum a written report of records required under condition 5 of this Permit where these records have not already been provided under condition 6(a) of this Permit.

### DEFINITIONS

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

*dieback* means the effect of *Phytophthora* species on native vegetation;

*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 10-30 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; and

*weed* 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 *Agricultural and Related Resources Protection Act 1976*.



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Richard Sellers  
DIRECTOR GENERAL  
DEPARTMENT OF MINES AND PETROLEUM  
Officer with delegated authority under Section 20  
of the Environmental Protection Act 1986

18 June 2009