



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 1662 / 2
File Number: A2705/200601
Duration of Permit: From 16 June 2007 to 15 March 2012

PERMIT HOLDER

Iluka Resources Limited

LAND ON WHICH CLEARING IS TO BE DONE

Mineral Sands (Eneabba) Agreement Act 1975,
Mining Lease 267SA (AM70/267)

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

1. Clearing for the purpose of mulch harvesting native vegetation for the use in rehabilitation.

CONDITIONS

Type of clearing authorised

1. The Permit Holder must not clear more than 150 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 1662/2.

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.

Dieback and weed control

3. (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* and *dieback*:

- (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (ii) shall not move 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.

- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

Flora management

4. (a) Prior to undertaking any clearing within the areas described below, the areas shall be inspected by a *flora specialist*, in accordance with *Guidance Statement No 51* for the presence of rare flora listed in the Wildlife Conservation (Rare Flora) Notice 2008:
- (i) the areas cross-hatched yellow on attached Plan 1662/2.
- (b) Where rare flora are identified in relation to condition 4(a) of this Permit, the Permit Holder shall ensure that:
- (i) all records of rare flora are submitted to the Director, Environment Division, Department of Mines and Petroleum; and
 - (ii) no clearing occurs within 50 metres of identified rare flora, unless approved by the Director, Environment Division, Department of Mines and Petroleum.

Mulching management

5. (a) The permit holder shall submit a Mulching Management Plan developed in consultation with the Department of Environment and Conservation to the Director, Environment Division, Department of Mines and Petroleum.
- (b) The Mulching Management Plan shall be approved (in writing) by the Director, Environment Division, Department of Mines and Petroleum prior to the commencement of mulching operations carried out under this permit.

Records to be kept

6. (a) The Permit Holder must maintain the following records for activities done pursuant to this Permit:

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 flora management pursuant to Condition 4(a) and 4(b) of this Permit:
- (i) the location of each Rare Flora recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings; and
 - (ii) the species name of each Rare Flora identified.

Reporting

7. (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 6(a) and 6(b) of this permit in relation to clearing carried out between 1 January and 31 December of the previous year.
- (b) Prior to 15 March 2012, the Permit Holder must provide to the Director, Environment Division, Department of Mines and Petroleum a written report of records required under condition 6(a) and 6(b) of this Permit where these records have not already been provided under condition 7(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;

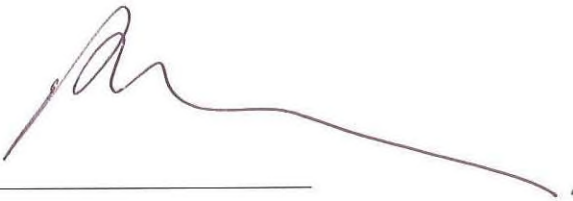
fill means material used to increase the ground level, or fill a hollow;

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

Guidance Statement No. 51 means the Environmental Protection Authority Guidance Statement No 51, Guidance for the Assessment of Environmental Factors – Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment in Western Australia (2004);

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;

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*.



RICHARD SELLERS
DIRECTOR GENERAL
ENVIRONMENT DIVISION
DEPARTMENT OF MINES AND PETROLEUM
Officer with delegated authority under Section 20
of the Environmental Protection Act 1986

19 November 2009