



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 2974 / 1
File Number: A0283/200901
Duration of Permit: From 13 June 2009 to 13 June 2010

PERMIT HOLDER

Origin Energy Resources Limited

LAND ON WHICH CLEARING IS TO BE DONE

Petroleum Production Licence L 2 R1
Petroleum Production Licence L 14

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

1. Clearing for the purpose of the installation of a water flowline from Jingemias Oil Production Facility to the Jingemias 9 Water Injection Well.

CONDITIONS

Type of clearing authorised

1. The Permit Holder must not clear more than 2.9 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 2974/1.
2. The Permit Holder shall not clear native vegetation unless the purpose for which the clearing is authorised is enacted within 2 months of the clearing being undertaken.

Avoid, minimise etc clearing

3. 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

4. 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 and spread vegetative material and topsoil, revegetation and rehabilitation

5. The Permit Holder shall:
 - (i) retain the vegetative material and topsoil removed by clearing authorised under this Permit;
 - (ii) stockpile the vegetative material and topsoil in an area that has already been cleared; and
 - (iii) within 6 months following clearing authorised under this Permit, lay the vegetative material and topsoil on the cleared area.

Records to be kept

6. The Permit Holder must maintain the following records for activities done pursuant to 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.

7. In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 5 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 Easting's and Northing's;
- (ii) a description of the *revegetation* and *rehabilitation* activities undertaken; and
- (iii) the size of the area *revegetated* and *rehabilitated* (in hectares).

Reporting

8. The Permit Holder shall provide a report to the Director, Environment Division, Department of Mines and Petroleum by 13 June 2010, demonstrating adherence to all conditions of this permit, and setting out the records required under Conditions 6 and 7 of this permit in relation to clearing carried out within the duration of the 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 *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 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*.



Phil Gorey
DIRECTOR
ENVIRONMENT DIVISION
DEPARTMENT OF MINES AND PETROLEUM

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

14 May 2009