



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 3412 / 1
File Number: A1907/200901
Duration of Permit: From 23 January 2010 to 31 July 2015

PERMIT HOLDER

Shark Bay Resources Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Shark Bay Salt Industry Agreement Act 1983,
Mining Lease 260SA (AML 70/260)

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

1. Clearing for the purpose of borrow pits.

Type of clearing authorised

1. The Permit Holder must not clear more than 12 hectares of native vegetation. All clearing must be within the area cross-hatched yellow on attached Plan 3412/1.

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.

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, ripping, revegetation and rehabilitation

4. (a) The Permit Holder shall retain the vegetative material and topsoil removed by clearing authorised under this Permit for use in *revegetation* and *rehabilitation* of disturbed areas within the *Shark Bay Solar Salt Industry Agreement Act 1983* mine site that have *comparable vegetation types, comparable soil types and comparable soil disease status* to pre-clearing vegetation types in that area from where the vegetative material and topsoil were removed, by:
- (i) deliberately laying the vegetative material and topsoil that has been retained;
 - (ii) 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
 - (iii) ensuring only *local provenance* seeds and propagating material are used to *revegetate* and *rehabilitate* the area.
- (b) The Permit Holder shall stockpile any vegetative material and topsoil that has not been directly utilised for use in *revegetation* and *rehabilitation* of disturbed areas within the *Shark Bay Solar Salt Industry Agreement Act 1983* mine site in an area that is already cleared.
- (c) Prior to undertaking works pursuant to Condition 4(d), the Permit Holder shall rip the pit floor and contour batters within the extraction site.
- (d) Within twelve months following completion of extraction operations, the Permit Holder must *revegetate* and *rehabilitate* the area cross-hatched yellow on attached Plan 3412/1 by:
- (i) deliberately laying vegetative material and topsoil that has been retained under Condition 4(b) of this permit, or which has been obtained from areas within the *Shark Bay Solar Salt Industry Agreement Act 1983* mine site that have *comparable vegetation types, comparable soil types and comparable soil disease status* to pre-clearing vegetation types in that area;
 - (ii) 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
 - (iii) ensuring only *local provenance* seeds and propagating material are used to *revegetate* and *rehabilitate* the area.
- (e) Within twenty-four months of undertaking *revegetation* and *rehabilitation* in accordance with Condition 4(a) and 4(d) of this Permit, the Permit Holder must:
- (i) 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 4(e)(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, the Permit Holder must undertake additional *planting* or *direct seeding* of native vegetation in accordance with the requirements of Condition 4(d)(ii) and (iii) of this Permit.

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 date the extraction operations ceased; and
- (iv) the size of the area cleared (in hectares).

(b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to Condition 4 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; and
- (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 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 Condition 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.

(b) Prior to 31 July 2015, the Permit Holder must provide to the Director, Environment Division, Department of Mines and Petroleum a written report of records required under Condition 5(a) and 5(b) 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:

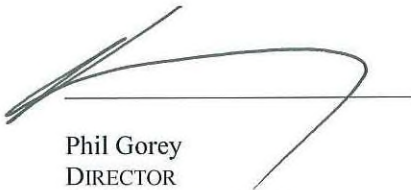
fill means material used to increase the ground level, or fill a hollow;

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/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

24 December 2009