



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

| | |
|-------------------------------|---|
| Purpose permit number: | CPS 4351/2 |
| Permit holder: | Regional Power Corporation TA Horizon Power |
| Duration of permit: | 25 July 2011 – 25 July 2024 |

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

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of power line undergrounding and associated infrastructure upgrades inclusive of the following activities:

- (a) decommissioning of existing infrastructure
- (b) upgrading of existing infrastructure.
- (c) new infrastructure installation

2. Land on which clearing is to be done

Township of Roebourne

3. Area of Clearing

The Permit Holder must not clear more than 18 hectares of native vegetation within the area hatched yellow on attached Plan 4351/2.

4. 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.

5. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 25 July 2018

6. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Energy Operators (Powers) Act 1979* or any other written law.

7. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

8. Avoid, minimise etc 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.

9. Weed control

- (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*:
 - (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.
- (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.

10. 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.
- (b) within 12 months following clearing authorised under this permit, *revegetate* and *rehabilitate* the area(s) 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; and
 - (ii) ripping the ground on the contour to remove soil compaction, where required; and
 - (iii) laying the vegetative material and topsoil retained under condition 10(a).
- (c) within 24 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 10(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 10(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.
- (d) Where additional *planting* or *direct seeding* of native vegetation is undertaken in accordance with condition 10(c)(ii) of this permit, the Permit Holder shall repeat condition 10(c)(i) and 10(c)(ii) within 24 months of undertaking the additional *planting* or *direct seeding* of native vegetation.
- (e) Where a determination by an *environmental specialist* that the composition, structure and density within areas *revegetated* and *rehabilitated* will result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, as determined in condition 10(c)(i) and (ii) of this permit, that determination shall be submitted for the CEO's consideration. If the CEO does not agree with the determination made under condition 10(c)(ii), the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 10(c)(ii).

PART III - RECORD KEEPING AND REPORTING

11. 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 species composition, structure and density of the cleared area;
 - (ii) 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;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).

- (b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 10 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;
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares);
 - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*;
 - (v) a copy of the environmental specialist's report; and
 - (vi) the date that the *revegetation* and *rehabilitation* was completed.

12. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
 - (i) of records required under condition 11 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.

- (c) Prior to 25 April 2024, the Permit Holder must provide to the CEO a written report of records required under condition 11 of this Permit where these records have not already been provided under condition 12(a) of this Permit.

Definitions

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

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 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;

optimal time means the period from November to December; for undertaking direct seeding, and no planting without irrigation.

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 Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.

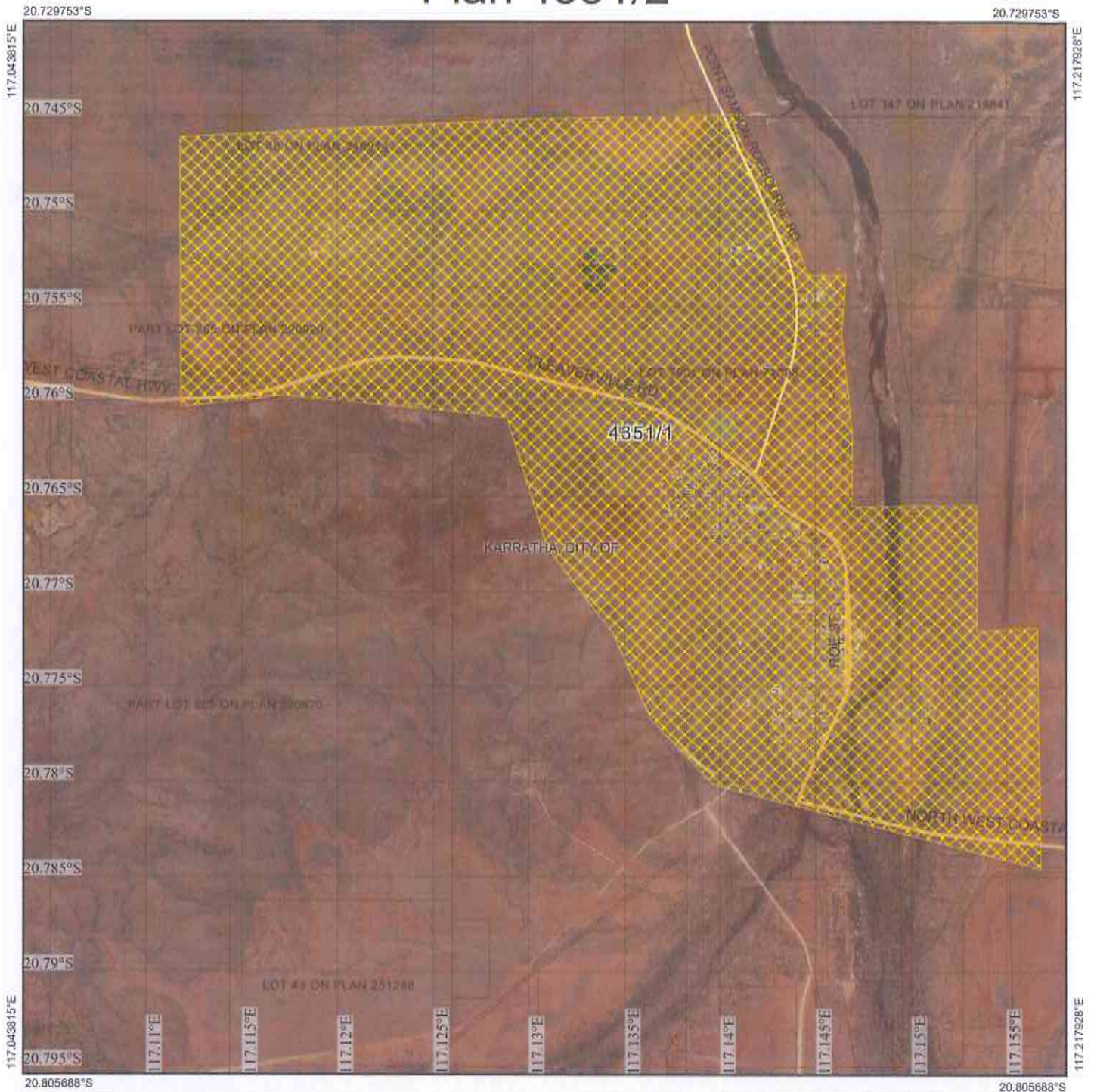


Jane Clarkson
A/ SENIOR MANAGER
CLEARING REGULATION



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

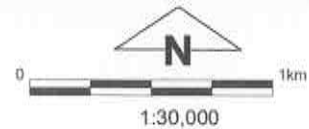
16 April 2015

Plan 4351/2



Legend

-  Cadastre (Search)
-  Roads - Freeway and National Highway - Bridges
-  Roads - Main Road - Bridges
-  Imagery
-  Clearing Instruments Activities
-  Local Government Authority
-  Roads - Freeway and National Highway
-  Roads - Main Road



(Approximate when reproduced at A4)
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

J Clarkson Date 16.4.15
J Clarkson

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

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the



1. Application details

1.1. Permit application details

Permit application No.: 4351/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Regional Power Corporation TA Horizon Power

1.3. Property details

Property: ROAD RESERVE, ROEBOURNE
LOT 435 ON PLAN 208647, ROEBOURNE
LOT 416 ON PLAN 208647, ROEBOURNE
LOT 434 ON PLAN 208647, ROEBOURNE
UNALLOCATED CROWN LAND, ROEBOURNE
LOT 458 ON PLAN 173996, ROEBOURNE
LOT 295 ON PLAN 223086, ROEBOURNE
LOT 277 ON PLAN 223086, ROEBOURNE
LOT 633 ON PLAN 213516, ROEBOURNE
LOT 523 ON PLAN 211587, ROEBOURNE
LOT 405 ON PLAN 208647, ROEBOURNE
LOT 425 ON PLAN 208647, ROEBOURNE
LOT 502 ON PLAN 211587, ROEBOURNE
LOT 692 ON PLAN 181593, ROEBOURNE
LOT 702 ON PLAN 182530, ROEBOURNE
LOT 474 ON PLAN 211587, ROEBOURNE
LOT 808 ON PLAN 35243, ROEBOURNE
CLOSED ROAD, ROEBOURNE
LOT 699 ON PLAN 213946, ROEBOURNE
LOT 469 ON PLAN 175555, ROEBOURNE
LOT 61 ON PLAN 223088, ROEBOURNE
LOT 55 ON PLAN 223088, ROEBOURNE
LOT 175 ON PLAN 223090, ROEBOURNE
LOT 259 ON PLAN 223086, ROEBOURNE
LOT 23 ON PLAN 223088, ROEBOURNE
LOT 25 ON PLAN 223088, ROEBOURNE
LOT 121 ON PLAN 223088, ROEBOURNE
LOT 122 ON PLAN 223088, ROEBOURNE
LOT 384 ON PLAN 68985, ROEBOURNE
LOT 700 ON PLAN 213946, ROEBOURNE
LOT 151 ON PLAN 181582, ROEBOURNE
LOT 681 ON PLAN 181261, ROEBOURNE
LOT 502 ON PLAN 64464, ROEBOURNE
LOT 501 ON PLAN 64464, ROEBOURNE
LOT 500 ON PLAN 64464, ROEBOURNE
LOT 399 ON PLAN 207525, ROEBOURNE
LOT 400 ON PLAN 207525, ROEBOURNE
PART LOT 265 ON PLAN 220920, ROEBOURNE
LOT 3024 ON PLAN 44805, ROEBOURNE
LOT 3023 ON PLAN 44804, ROEBOURNE
LOT 301 ON PLAN 47401, ROEBOURNE
LOT 302 ON PLAN 47401, ROEBOURNE

Colloquial name:
Local Government Authority: City of Karratha
DER Region: North West
DPaW District:
LCDC:
Localities: Roebourne

1.4. Application

| | | | |
|--------------------|-----------|--------------------|---|
| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of: |
| 18 | | Mechanical Removal | Water/gas/cable/pipeline/power installation |

1.5. Decision on application

Decision on Permit Grant
Application:
Decision Date: 16 April 2015

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

| Vegetation Description | Clearing Description | Vegetation Condition | Comment |
|--|---|--|--|
| Beard vegetation 157 as Hummock grasslands, grass steppe; hard spinifex, <i>Triodia wiseana</i> . | The proposal is for clearing of 18 hectares of native vegetation for the purpose of power line undergrounding and associated infrastructure upgrades including decommissioning of existing infrastructure, upgrading of existing infrastructure and new infrastructure installation within the Township of Roebourne. | Good; Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994). | Condition of Vegetation assessed using aerial imagery. |
| Beard vegetation 619 as Medium woodland; river gum (<i>Eucalyptus camaldulensis</i>). | | | |
| Beard vegetation 589 as Mosaic: Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex. | | | |

(Shepherd et al, 2001)

3. Assessment of application against clearing principles

Comments

This amendment has been made to extend the period in which clearing is authorised until July 2018 and extend the permit duration until July 2024.

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 4351/1.

Methodology

Planning instruments and other relevant matters.

Comments The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 4351/1.

Methodology

4. References

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.