



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 4904/2
<b>Permit Holder:</b>	API Management Pty Ltd
<b>Duration of Permit:</b>	25 May 2012 – 25 May 2022

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 feasibility investigations.

**2. Land on which clearing is to be done**

Section 91 Licence 00904/2010\_A5405647, being:

- Lot 380 on Deposited Plan 404469 (Mount Anketell)
- Lot 381 on Deposited Plan 404469 (Mount Anketell)
- Lot 382 on Deposited Plan 404469 (Mount Anketell)
- Lot 383 on Deposited Plan 404469 (Mount Anketell)
- Lot 384 on Deposited Plan 404469 (Mount Anketell)
- Lot 385 on Deposited Plan 404469 (Mount Anketell)
- Lot 386 on Deposited Plan 404469 (Mount Anketell)
- Lot 428 on Deposited Plan 77603 (Mount Anketell)
- Lot 432 on Deposited Plan 77603 (Mount Anketell)
- Lot 424 on Deposited Plan 77603 (Antonymyre, Mount Anketell, Cleaverville)
- Lot 425 on Deposited Plan 77603 (Antonymyre, Mount Anketell, Cleaverville)
- Lot 1000 on Deposited Plan 402557 (Dampier Archipelago)

**3. Area of Clearing**

The Permit Holder must not clear more than 30 hectares of native vegetation within the area cross hatched yellow on attached Plan 4904/2.

**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. 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 right to access land under the *Land Administration Act 1997* or any other written law.

## PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

### 6. 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.

### 7. Flora management

- (a) Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *botanist* to inspect that area for the presence of *priority flora*.
- (b) Where *priority flora* are identified in relation to condition 7(a) of this Permit, the Permit Holder shall ensure that:
  - (i) no clearing occurs within 10 metres of identified *priority flora*, unless approved by the CEO; and
  - (ii) no clearing of identified *priority flora* occurs unless approved by the CEO

### 8. Weed control

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*:

- (a) Clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

### 9. 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 in an area that has already been cleared.
- (b) At an optimal time within 12 months following completion of activities under this permit, *revegetate* and *rehabilitate* areas not required for future scheduled and approved development, by:
  - (i) ripping the ground on the contour to remove soil compaction; and
  - (ii) laying the vegetative material and topsoil retained under condition 9(a) on the cleared area(s).
- (c) Within 18 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 9(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 9(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 9(c)(ii) of this permit, the Permit Holder shall repeat condition 9(c)(i) and 9(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 9(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 9(c)(ii),

the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 9(c)(ii).

### **PART III - RECORD KEEPING AND REPORTING**

#### **10. Records must be kept**

The Permit Holder must maintain the following records in relation to the clearing of native vegetation authorised under this Permit:

- (a) the species composition, structure and density of the cleared area;
- (b) 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;
- (c) the date that the area was cleared; and
- (d) the size of the area cleared (in hectares).

#### **11. Reporting**

- (a) The Permit Holder must provide to the CEO on or before 31 July of each year, a written report:
  - (i) of records required under condition 10 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June of the preceding year.
- (b) If no clearing authorised under this Permit was undertaken between 1 July to 30 June of the preceding financial year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 31 July of each year.
- (c) Prior to 25 February 2022, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(a) of this Permit.

### **DEFINITIONS**

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

***botanist*** means a person who holds a tertiary qualification in environmental science or equivalent, and has a minimum of 2 years work experience in identification and surveys of flora native to the bioregion being inspected or surveyed, or who is approved by the CEO as a suitable botanist for the bioregion;

***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 50 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;

***priority flora*** means those plant taxa described as priority flora classes 1, 2, 3, 4 or 5 in the *Department of Parks and Wildlife's Threatened and Priority Flora List for Western Australia* (as amended);

**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 *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/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.



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James Widenbar  
A/SENIOR MANAGER  
CLEARING REGULATION

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

31 December 2015

# Plan 4904/2



## Legend

-  Imagery
-  Clearing Instruments Activities
-  Local Government Authority



1:128,722

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

Geocentric Datum of Australia 1994

*J Widenbar* Date *31/12/2015*  
..... Date .....

J Widenbar

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



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## 1. Application details

### 1.1. Permit application details

Permit application No.: 4904/2  
Permit type: Purpose Permit

### 1.2. Applicant details

Applicant's name: API Management Pty Ltd

### 1.3. Property details

Property: Section 91 Licence 00904/2010\_A5405647, being:  
 Lot 380 on Deposited Plan 404469 (Mount Anketell)  
 Lot 381 on Deposited Plan 404469 (Mount Anketell)  
 Lot 382 on Deposited Plan 404469 (Mount Anketell)  
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 Lot 1000 on Deposited Plan 402557 (Dampier Archipelago)

Local Government Authority: City of Karratha

### 1.4.

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
30		Mechanical Removal	Geotechnical investigations

### 1.5. Decision on application

Decision on Permit Application: Granted  
Decision Date: 31 December 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
Mapped Beard vegetation association 157: Hummock grasslands, grass steppe; hard spinifex, <i>Triodia wiseana</i> (Shepherd et al, 2001).	The application is to clear 30 hectares of native vegetation within a 2310 hectare footprint.	Excellent; Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery, 1994).	A vegetation and flora survey conducted within and around the area under application recorded 262 flora taxa within 25 vegetation communities. The vegetation under application is in a completely degraded to excellent (Keighery, 1994) condition (AECON, 2011), with majority being in a good to very good (Keighery, 1994) condition (AECON, 2011).
Mapped Beard vegetation association 589 (less than 10 percent of the application area) Mosaic short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex (Shepherd et al, 2001).		To  Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994)	The condition of the native vegetation under application was sourced from a flora and vegetation survey conducted by AECON in 2009, 2012 and 2011 (AECON, 2011).
Mapped Beard vegetation association 43 (less than 5 percent of the application area): Low forest; mangroves (Kimberley) or thicket; mangroves (Pilbara) (Shepherd et al, 2001).			

Mapped Beard vegetation association 127 (less than 5 percent of the application area): Bare areas; mud flats (Shepherd et al, 2001).

### 3. Assessment of application against clearing principles

**Comments** Clearing Permit CPS 4904/1 has been amended to alter the clearing footprint area, however the amount of clearing required remains unchanged.

The assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 4904/1.

#### Planning instruments and other relevant matters.

**Comments** The Department of Water (DoW, 2015) has confirmed that the applicant has a current 26D Licence to Construct or Alter a Well for seven locations throughout the clearing footprint and has applied for a further five more which are currently being assessed. The DoW also confirms that the applicant has a section 21A permit to interfere with the bed and banks of 16 locations that cross an identified watercourse within the clearing area (DoW, 2015).

The City of Karratha (2015) has no objection to the proposal to amend the clearing footprint area of the original permit CPS 4904/1.

No submissions for the application have been received.

**Methodology** References:  
City of Karratha (2015)  
DoW (2015)

### 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.
- AECOM (2011) Anketell Port Proposal - Level 2 Flora and Vegetation Assessment. Prepared for API Management Pty Ltd (DEC Ref DOC:A477496)
- City of Karratha (2015) Advice received in relation to Clearing Permit Application CPS 4904/2 - API Management Pty Ltd (DER Ref:A990994)
- DoW (2015) Advice received in relation to Clearing Permit Application CPS 4904/2 - API Management Pty Ltd. Department of Water, Western Australia (DER Ref:A1001860)
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.