



## CLEARING PERMIT

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

<b>Purpose permit number:</b>	CPS 3356/3
<b>Permit holder:</b>	ATCO Power Australia (Karratha) Pty Ltd
<b>Duration of permit:</b>	26 December 2009 – 30 September 2015

The Permit Holder is authorised to clear native vegetation for the above stated purposes, subject to the conditions of this Permit.

### PART I – CLEARING AUTHORISED

**1. Purpose for which clearing may be done**

Clearing for the purpose constructing a drainage channel

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

Lot 4547 on Plan 242018 Stovehill Road, Stove Hill  
unallocated Crown Land, Stove Hill (PIN 705585)

**3. Area of clearing**

The Permit Holder must not clear more than 1.5 hectares of native vegetation within the area shaded yellow on attached Plan 3356/3.

**4. Application**

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation authorised under this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

**5. 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

**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:

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- reduce the impact of clearing on any environmental value.

## 7. Weed control

- (a) When undertaking any clearing, or other activity pursuant to this Permit, the Permit Holder must take the following steps to minimise the risk of 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* or *fill* or other material are brought into the area to be cleared
  - (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

## 8. Retain vegetative material and topsoil, revegetation and rehabilitation

- (a) The Permit Holder shall retain the vegetative material and topsoil removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil in an area that is already cleared.
- (b) Within six months of the construction of the drainage channel, the Permit Holder must *revegetate* and *rehabilitate* the *spoil* by the laying the vegetative material and topsoil retained under condition 8 (a) on the *spoil*.
- (c) Within twelve months of undertaking *revegetation* and *rehabilitation* in accordance with condition 8 (b) of this Permit, the Permit Holder must where, in the opinion of an *environmental specialist*, the *revegetation* and *rehabilitation* does not provide adequate stabilisation of surface soils, undertake *planting* and/or *direct seeding* of native vegetation using only *local provenance* seeds and propagating material.

## PART III – RECORD KEEPING AND REPORTING

### 9. Records must be kept

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;
  - (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 8 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).

### 10. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 9 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 30 June 2015, the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10(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 is engaged by the Permit Holder for the purpose of providing environmental advice, 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;

**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;

**rehabilitate/ed/ion** means actively managing an area containing native vegetation in order to improve the ecological function of that area; and

**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;

**spoil** means the waste materials, as those cast up in mining, excavating and quarrying; and

**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*.



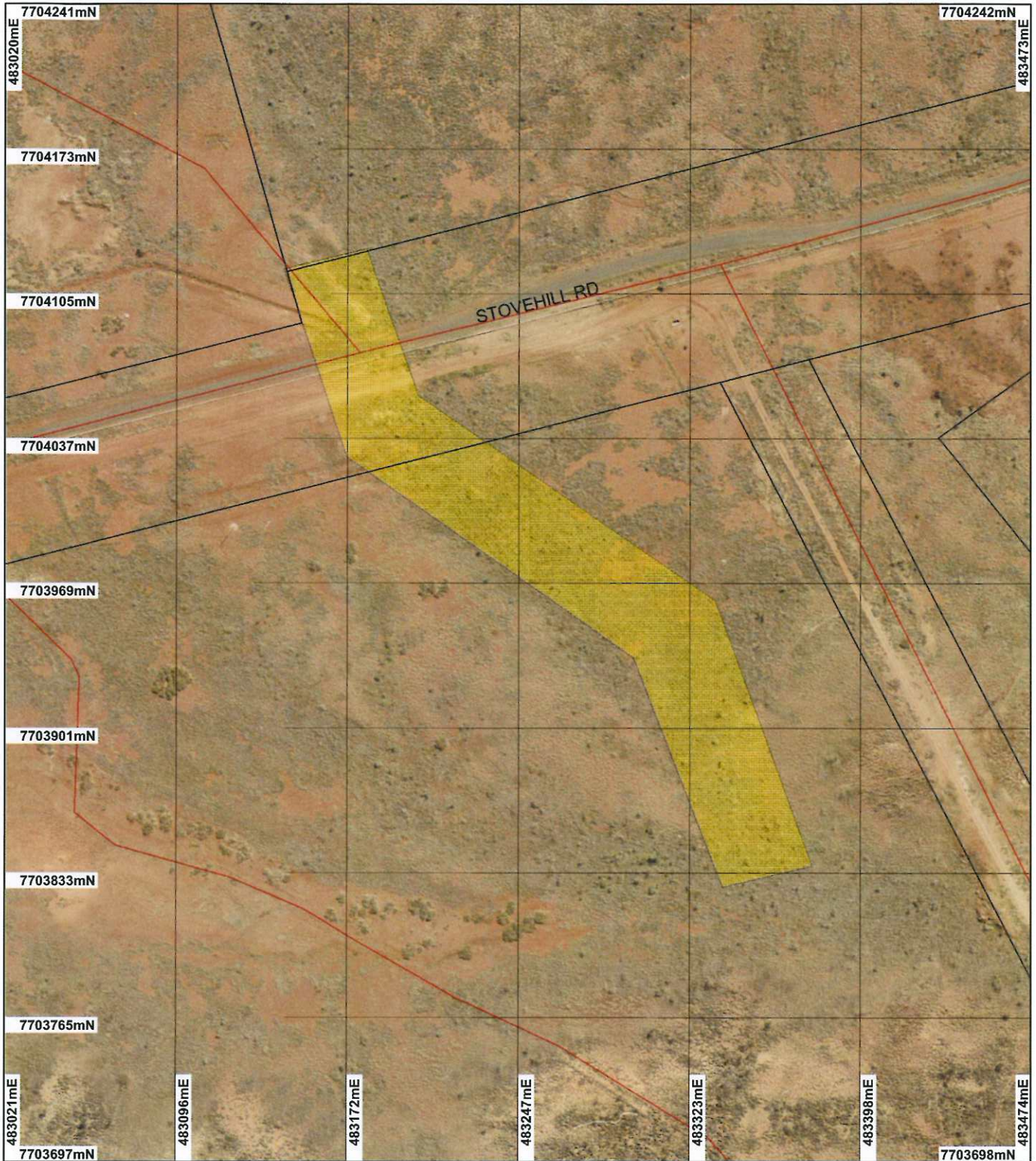
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Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

11 March 2010

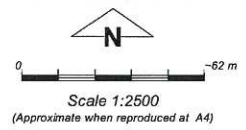
# Plan 3356/3



## LEGEND

- Clearing Instruments**
- Areas Applied to Clear
  - Areas Subject to Conditions
  - Areas Approved to Clear
  - Road Centrelines

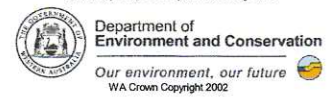
- Cadastre
- Towns
- Karratha townsite 20cm Orthomosaic - Landgate 2002



Geocentric Datum Australia 1994  
 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*[Signature]* Date 11/3/10.  
 K Faulkner

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 legend.



\* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



## 1. Application details

### 1.1. Permit application details

Permit application No.: 3356/3  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: ATCO Power Australia (Karratha) Pty Ltd

### 1.3. Property details

Property: LOT 4547 ON PLAN 242018 (STOVE HILL 6714)  
UNALLOCATED CROWN LAND ( STOVE HILL 6714)

Local Government Area:

Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.5		Mechanical Removal	Drainage

## 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 Types: 157: Hummock grasslands, grass steppe; hard spinifex, <i>Triodia wiseana</i> 589: Mosaic: Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex (Shepherd, 2007; Bio Datasets accessed 21/10/2009)	The clearing proposal is to clear 1.5 ha of vegetation within Lot 4547 (Stovehill Road reserve) and unallocated crown land for the purpose of constructing a drainage channel to improve stormwater runoff from development on adjacent Lot 1996.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The condition of the native vegetation under application was determined from aerial imagery and from the Consultant's report, which surveyed the adjoining land (ATCO Power Pty Ltd, 2009).

## 3. Assessment of application against clearing principles

### Comments

The proposed clearing is 1.5 hectares of native vegetation within Lot 4547 (Stakehill Road Reserve) and unallocated Crown Land (UCL). The vegetation under application is associated with Beard vegetation types 157 and 589 and aerial imagery shows relatively intact vegetation, considered to be in very good (Keighery, 1994) condition.

A minor drainage line is located within the area under application and runs in a north-south direction from Lot 4547 across Stakehill Road and down through the UCL; therefore, the vegetation under application is considered to be growing in association with a watercourse. The proposed clearing is at variance to Principle (f). It is noted that the proposed clearing may result in short term sedimentation of the surface water.

Given the relatively small scale of the proposed clearing, the vegetation under application is considered to comprise limited habitat or biodiversity values. The assessment considered that the proposed clearing is not likely to significantly impact any biodiversity, land degradation, or environmental water values within the local or regional context. Therefore, the proposed clearing is not considered likely to be at variance to the remaining clearing principles.

### Methodology

Reference:  
- Keighery (1994)  
GIS databases:  
- Esperance Townsite 20cm Orthomosaic - Landgate 2007  
- Hydrological, linear (hierarchy)  
- SAC Bio Datasets 22/09/09

### Planning instrument, Native Title, Previous EPA decision or other matter.

### Comments

A clearing permit (CPS 3168/1) has been granted over a section of the area under application with Lot 4547.

There has been a determination of Native Title for the Ngarluma People over the area proposed to be cleared. The Ngarluma People's interests and rights include:

- a right to access (including to enter, to travel over and remain);
- a right to collect and forage for bush medicine;
- a right to forage for an take flora; and
- a right to protect Aboriginal sites and objects.

The native title holders have been notified. A response has been received, the Ngarluma Aboriginal Corporation (NAC) has advised that consultation between NAC and ATCO Power Australia (Karratha) Pty Ltd is required prior to undertaking any clearing (Submission, 2009).

The area under application is located within RIWI Surface Water Area- Pilbara River and tributaries. Given that the purpose is for constructing a drainage channel a permit from the Department of Water (DoW) may be required. DoW (2009) advised that the applicant should be informed that a permit may be required and consultation with DoW is necessary.

An amendment to Permit CPS 3356/1 has occurred due to an administration area with Condition 10 of the Permit.

An amendment to Clearing Permit CPS 3356/2 has occurred due to the applicant requesting the location of the area under application be changed, due to consultations with the Department of Water, and to change Condition 9 due to an administrative error, the reporting date under Condition 10 (b) and the expiry date of the permit.

Lot 4547 is a Crown Reserve vested with the Water Corporation and is zoned Public Purposes; UCL is zoned Pastoral under Local Town Planning Scheme.

#### Methodology

References:

- DoW (2009)
- Submission (2009)

GIS database:

- Cadastre
- RIWI Act, Surface Water Areas
- Town Planning Scheme

## 4. Assessor's comments

#### Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the assessment recommendation is that the proposed clearing is at variance to Principle (f) and not likely to be at variance to the remaining clearing principles.

## 5. References

ATCO Power Pty Ltd (2009) Application for a Clearing Permit and Supporting Information, ATCO Power Australia (Karratha) Pty Ltd. TRIM Ref DOC100423

DoW (2009) Advice for CPS 3356/1 from Department of Water (Email). TRIM Ref DOC105632

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. (2007). Adapted from: 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

Submission (2009) Direct interest submission for CPS 3356/1. TRIM Ref DOC104641

## 6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DMP	Department of Mines and Petroleum (ex DoIR)