



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5180/1
Permit Holder:	Simcoa Operations Pty Ltd
Duration of Permit:	5 October 2012 – 5 October 2017

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 constructing a pipeline.

2. Land on which clearing is to be done

Lot 1 on Diagram 73196, Wellesley.

3. Area of Clearing

The Permit Holder must not clear more than 0.05 hectares of native vegetation within the area shaded yellow on attached Plan 5180/1.

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.

A handwritten signature in cursive script that reads "Roxane Shadbolt".

Roxane Shadbolt
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

13 September 2012

Plan 5180/1



LEGEND

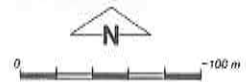
Local Government Authorities

Cadastral
Bunbury 50cm Orthomosaic -
Landgate 2008

Clearing Instruments

Areas Approved to Clear

Road Control Lines



Scale 1:4000
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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

R. Shadbolt
Roxane Shadbolt Date 12/9/12

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



Department of Environment and Conservation

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* Project Data. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 5180/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Simcoa Operations Pty Ltd on behalf Millennium Inorganic Chemicals

1.3. Property details

Property: LOT 1 ON DIAGRAM 73196 (House No. 869 MARRIOTT WELLESLEY 6233)
Local Government Area: Shire of Harvey
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 13 September 2012

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 Association: 1000: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree (Melaleuca Spp.) (Shepherd et al. 2001).	The application is to clear 0.05 hectares of native vegetation from Lot 1 on Diagram 73196, Wellesley, for pipeline construction.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994).	Vegetation description and condition was determined through aerial imagery, site inspection (DEC 2012) and information provided by proponent (Simcoa Operations Pty Ltd 2012).
Hedde Vegetation Complex: Bassendean Complex (Central and South): Vegetation ranges from woodland of Eucalyptus marginata (Jarrah) - Allocasuarina fraseriana (Sheoak) - Banksia species to low woodland of Melaleuca species, and sedgelands on the moister sites. This area includes the transition of Eucalyptus marginata (Jarrah) to Eucalyptus tottiana (Pricklybark) in the vicinity of Perth (Hedde et al. 1980).	The vegetation consists of Banksia attenuata, Banksia illicifolia woodland with an understorey predominately of Kunzea glabrescens and other species such as Jacksonia sp., Acacia pulcella and Xanthorrhoea preisii and the groundcover primarily consisted of Dasypogon bromellifolius, Adenanthos meisneri and Xanthorrhoea brunonis (DEC 2012).		

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.05 hectares of native vegetation in good (Keighery 1994) condition within the Kemerton Industrial Park for the purpose of constructing a pipeline (Simcoa Operations Pty Ltd 2012).

There are several priority and rare flora recorded within the local area (10 kilometre radius). Given the historic disturbance present it is unlikely that these species would occur within the application area (DEC 2012).

There are twelve land based fauna species of conservation significance within the local area (10 kilometre radius) including Carnaby's Cockatoo (Calyptorhynchus latirostris; rare or likely to become extinct, Wildlife Conservation Act 1950; endangered, Environment Protection and Biodiversity Conservation Act 1999), Forest Red-tailed Black-Cockatoo (Calyptorhynchus banksii subsp. Naso; rare or likely to become extinct, Wildlife Conservation Act 1950; vulnerable, Environment Protection and Biodiversity Conservation Act 1999) and Baudin's Cockatoo (Calyptorhynchus baudinii; rare or likely to become extinct, Wildlife Conservation Act 1950; vulnerable, Environment Protection and Biodiversity Conservation Act 1999). No hollow bearing trees are proposed to be cleared, although a small number of banksia trees will be cleared.

The application area is mapped as Beard Vegetation Association 1000 and Central and South Bassendean Hedde Vegetation Complex, which retain approximately 25,172 hectares (27 per cent) and 23,625 hectares (27 per cent) of their respective pre-European extents within the Swan Coastal Plain IBRA Bioregion. Approximately 17 per cent of Beard 1000 and two per cent of Central and South Bassendean Complex types are held in secure land tenure (Commonwealth of Australia 2001).

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001).

Given the small extent of the application area and the surrounding vegetation, it is unlikely that the proposed clearing represents a significant remnant and therefore the proposed clearing is unlikely to be at variance to principle (e).

The application area is located within the buffer zone of an approximately 21 hectare conservation wetland (an environmentally sensitive area). The boundary of this wetland is approximately 15 metres east of the application area. The application area is not representative of vegetation growing in association with a watercourse or wetland (DEC 2012) and is therefore not at variance to principle (f). Given its proximity to the wetland, the proposed clearing may cause a temporary deterioration in the quality of the surface water. However, as this will be short term, the application is unlikely to be at variance to principle (i).

Given the small extent of the application area, the proposed clearing is unlikely to have significant impacts on the biodiversity and environmental values of the surrounding area.

The proposed clearing is not likely to be at variance to any of the clearing principles.

Methodology

References:

- Commonwealth of Australia 2001
- DEC 2007-
- DEC 2012
- Heddle et al. 1980
- Simcoa Operation Pty Ltd 2012
- GIS databases:
 - Bunbury 50cm Orthomosaic - Landgate 2008
 - Geomorphic Wetlands, Swan Coastal Plains
 - Heddle Vegetation Complexes
 - Linear Hydrography
 - NLWRA, Current extent of Native Vegetation
 - Pre European Vegetation
 - SAC Biodatasets
 - Soils Statewide

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

Comments

The purpose of the application is for Simcoa Operations Pty Ltd to construct a pipeline to transport saline water from their settling pond to Millennium Inorganic Chemicals plant following an environmental notice (DEC11679) from the Industry Regulation Branch of DEC to cease discharge.

Methodology

References:

- Simcoa Operations Pty Ltd 2012
- GIS Database:
 - Clearing Regulations - Environmentally Sensitive Areas

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 13/08/2012
- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 5180/1, Lot 1 on Diagram 73196 Marriott Road, Wellesley. Site inspection undertaken 17/08/2012. Department of Environment and Conservation, Western Australia (DEC REF: A537598).
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- Heddle, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- 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.
- Simcoa Operations Pty Ltd (2012) Clearing Permit Application CPS 5180/1 - Lot 1 on Diagram 73196 Marriott Road, Wellesley (DEC REF: A528057).

5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)