



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3771/2
Permit Holder:	Woodside Energy Limited
Duration of Permit:	29 August 2010 – 29 August 2015

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 onshore geotechnical and hydrological investigations for the Browse Liquefied Natural Gas Precinct.

2. Land on which clearing is to be done

Licence Number 1606-2008-01 Licence to Occupy Crown Land in Accordance with Section 91 of the *Land Administration Act 1997* (WA)

Located within the following properties:

Lot 259 on Plan 220696, Waterbank

Manari Road reserve, Waterbank (PIN 11735472)

3. Area of Clearing

The Permit Holder must not clear more than 25 hectares of native vegetation within the area hatched yellow on attached Plan 3771/2.

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 power to clear native vegetation for those activities under the *Land Administration Act 1997* or any other written law.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

6. Environmental management plan

(a) The Permit Holder must prepare, implement and adhere to an *EMP*.

(b) The *EMP* must include:

(i) an Environmental Risk Assessment;

(ii) a plan for managing the *impacts*;

(iii) a table setting out the Permit Holder's commitments to the *EMP*'s requirements; and

- (iv) a program for monitoring compliance with the Permit Holder's commitments.
- (c) Once the Permit Holder has developed an *EMP*, the Permit Holder must provide that *EMP* to the CEO for the CEO's approval. The clearing to which the *EMP* relates and the implementation of the *EMP* shall not take place until the Permit Holder receives approval from the CEO.

7. 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.

8. 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) within two months following completion of onshore geotechnical and hydrological investigations for the Browse Liquefied Natural Gas Precinct, *revegetate* and *rehabilitate* areas 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) where deemed appropriate and documented by an *environmental specialist*, ripping the ground on the contour to remove soil compaction; and
 - (iii) laying the vegetative material and topsoil retained under condition 8(a) on the cleared area(s).
- (c) within 24 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 8(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 8(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.

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 environmental management plan pursuant to condition 6, a description of the environmental management plan activities undertaken, in accordance with that environmental management plan.
- (c) 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;
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares); and
 - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*.

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 29 May 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;

EMP means environmental management plan;

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;

impacts means any impact of clearing on environmental values;

local provenance means native vegetation seeds and propagating material from natural sources within 10 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;

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;

term means the duration of this Permit, including as amended or renewed; and

weed/s mean any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in the former Department of Environment and Conservation Regional Weed Assessments, regardless of ranking ; or
- (c) not indigenous to the area concerned;

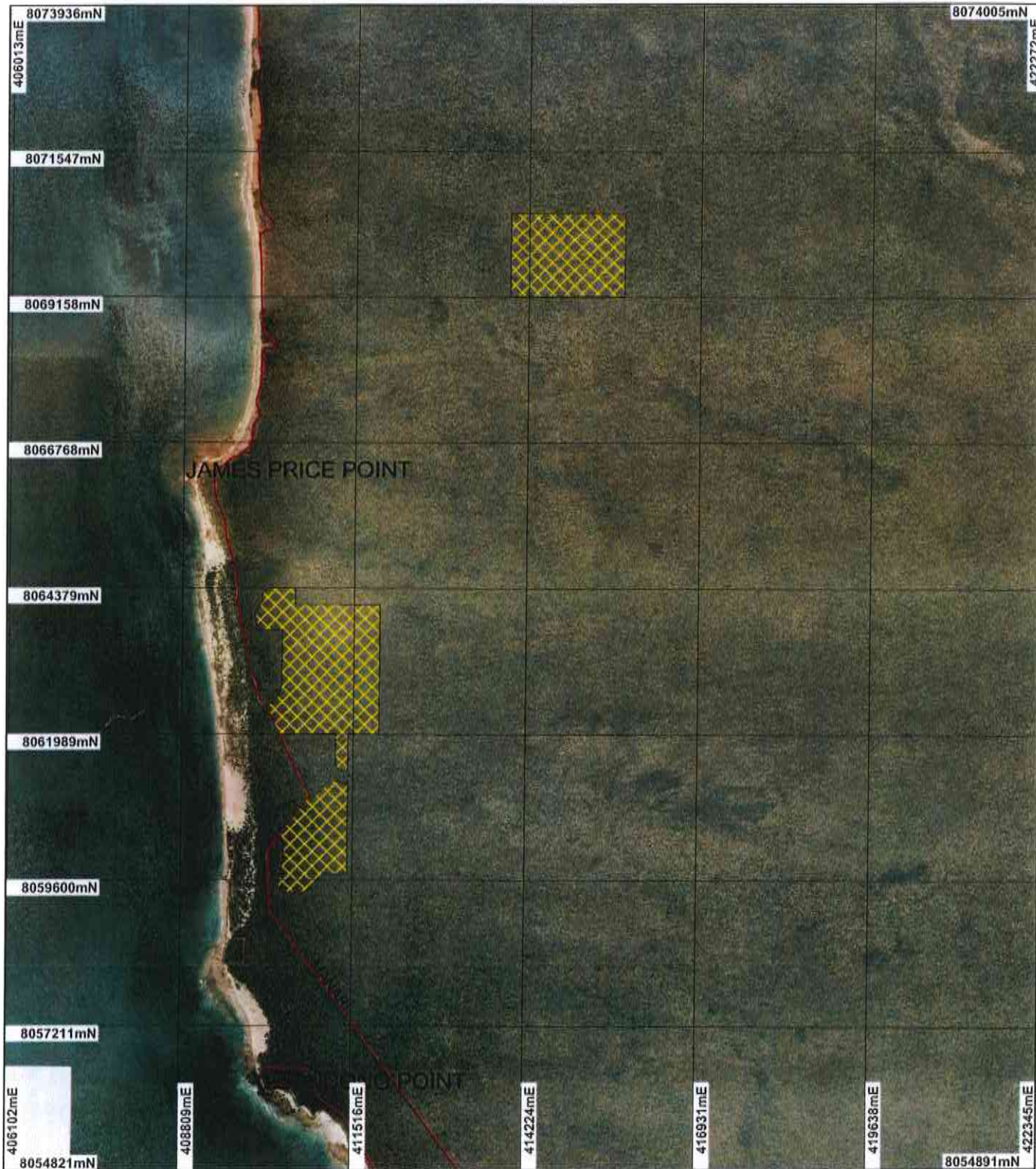


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

3 October 2013

Plan 3771/2

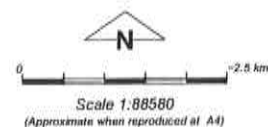


LEGEND

- Road Centrelines
- Carnot 50cm Orthomosaic - Landgate 2007
- Clearing Instruments
- Areas Subject to Conditions
- Areas Approved to Clear

Broome 50cm Orthomosaic - Landgate 2007

Geographic Names



Geocentric Datum Australia 1994

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

M Warnock Date: 3/10/13

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.



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Department of Environment Regulation
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1. Application details

1.1. Permit application details

Permit application No.: 3771/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Woodside Energy Limited

1.3. Property details

Property: LOT 259 ON PLAN 220696 (House No. 259 WATTLE WATERBANK 6725)
ROAD RESERVE (WATERBANK 6725)

Local Government Area: Shire of Broome
Colloquial name: Browse LNG Precinct

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 3 October 2013

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
750: Shrublands, pindan; Acacia tumida shrubland with grey box & cabbage gum medium woodland over ribbon grass & curly spinifex. (Shepherd, 2007)	Browse Liquefied Natural Gas Precinct - The proposal is for clearing 25 hectares of native vegetation for the purpose of onshore geotechnical and hydrological investigations for the Browse Liquefied Natural Gas Precinct within Lot 259 on Plan 220696 and Manari Road reserve, Waterbank, Shire of Broome.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994). To Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The applied area is located at James Price Point (JPP), within the Pindanland subregion of the Dampierland IBRA bioregion. Pindanland comprises gently undulating sandplain landscapes with wooded shrublands dominated by wattles and occasional low hills with hummock grasslands (DEC, 2009a). The region's extensive coastal plains comprise mudflats supporting mangal, samphire and couch grasslands fringed by low paperbark forest, as well as beach strand and coastal limestone outcrops with shrub-Spinifex communities (DEC, 2009a). The vegetation under application and in the surrounding area is considered to be in Good to Very Good (Trudgen, 1988) condition (Biota, 2009a). However, recent fire activity may have affected the accuracy of the vegetation condition mapping in the burnt areas (Aecom, 2010b). Disturbance as a result of altered fire regime is evident in the James Price Point area (Biota, 2009a). As a result of more frequent and higher intensity fires, the condition of the vegetation in the local area has been negatively impacted (Aecom, 2010b). Weed invasion is reported in some areas within the vicinity of the vegetation under application, with infestations tending to be relatively localised to roadside areas (Biota, 2009a). Vegetation in areas with no road access show little evidence of weed invasion or physical disturbance as a result of human activities (Biota, 2009a).

3. Assessment of application against clearing principles

This amendment has been made to amend condition 10 (a)(ii) of the clearing permit (revegetation and rehabilitation).

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 3771/1.

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

Comments

The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 3771/1.

4. References

- Aecom (2010b) Supplementary Terrestrial Fauna and Habitat Assessment - James Price Point, WA. Prepared for Department of State Development, WA. March, 2010. DEC Ref: A305913
- Biota (2009a) A Vegetation and Flora Survey of James Price Point: Wet Season 2009. Prepared for Department of State Development, WA. December, 2009. DEC Ref: A305913
- DEC (2009) A synthesis of scientific knowledge to support conservation management in the Kimberley region of Western Australia. Department of Environment and Conservation, 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.
- 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.
- Trudgen, M.E. (1988). A Report on the Flora and Vegetation of the Port Kennedy Area. Unpublished report prepared for Bowman Bishaw and Associates, West Perth.

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)