



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 1798 / 1

File Number: A0567/200701

Duration of Permit: From 16 June 2007 to 16 June 2008

PERMIT HOLDER

Chevron Australia Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Petroleum Production Licence L 1H R1

AUTHORISED ACTIVITY

1. Clearing of up to 2.1 hectares for the purposes of well-sites S88 and T81 and associated works, within the area cross-hatched yellow on attached Plan 1798/1.

CONDITIONS

1. The Permit Holder shall record the following for each instance of clearing:
 - (a) the location where the clearing occurred, expressed as grid coordinates using the Geocentric Datum of Australia 1994 coordinate system;
 - (b) the size of the area cleared in hectares or square metres;
 - (c) the method of clearing;
 - (d) the purpose of clearing;
 - (e) the area rehabilitated in hectares or square metres;
 - (f) the dates on which the area was cleared.
2. The Permit Holder shall provide a report to the Director, Environment, Department of Industry and Resources (DoIR) by 30 September 2008, setting out the records required under Condition 1 of this Permit in relation to clearing carried out in accordance with this Permit.
3. The Permit Holder shall record the information collected under Condition 1 of this permit in the Environmental Sensitivity Mapping Database on the Chevron Barrow Island Geographic Information System by 30 September 2008, in relation to clearing carried out in accordance with this Permit.
4. When undertaking any vegetation clearing in accordance with this Permit, the Permit Holder shall, where practicable, utilise existing cleared or previously disturbed areas of vegetation in preference to undisturbed areas of vegetation.
5. When undertaking any vegetation clearing for laying of pipelines in accordance with this Permit, the Permit Holder shall only use the following methods:
 - (a) walking over vegetation;
 - (b) driving an off-road vehicle or equipment over vegetation;
 - (c) cutting vegetation using appropriate equipment in areas of high and thick Spinifex where access on foot is not practicable;
 - (d) laying of pipelines on the surface of vegetation.
 - (e) where a pipeline crosses a road, excavating a maximum area of 10m x 10m immediately adjacent to each side of the road crossing, to facilitate the burial of the pipeline under the road.
6. The Permit Holder shall not clear the Priority 1 flora species *Helichrysum oligochaetum*.

7. The Permit Holder shall not clear areas designated by an Environmental Specialist, or designated on the *Environmental Sensitivity Mapping Database* of the *Chevron Barrow Island Geographic Information System*, as having an environmental sensitivity classification of Priority 1 (as defined in this Permit), unless such clearing has been approved in writing by the Director, Environment, Department of Industry and Resources.
8. The Permit Holder shall where practicable avoid accessing by vehicle those areas designated by an Environmental Specialist, or designated on the *Environmental Sensitivity Mapping Database* of the *Chevron Barrow Island Geographic Information System*, as having an environmental sensitivity classification of Priority 2 (as defined in this Permit).
9. Prior to commencement of vegetation clearing, all proposed clearing areas shall be surveyed by an Environmental Specialist or qualified botanist. The Environmental Specialist or botanist shall assess the results of surveys and ensure that, to the extent practicable, any proposed clearing areas:
 - (a) incorporate previously disturbed areas;
 - (b) will be located so as to minimise the amount and impacts of clearing within the permitted area, in accordance with the requirements of the "*ASBU Barrow Island Vegetation Management Plan Version 2.0, 26 July 2006*", (or later revision of this document);
 - (c) will not impact on Priority Flora;
 - (d) will not impact on areas designated by an Environmental Specialist, or designated on the *Environmental Sensitivity Mapping Database* of the *Chevron Barrow Island Geographic Information System*, as having an environmental sensitivity classification of Priority 2 (as defined in this Permit).
10. The Permit Holder shall, where practicable, avoid removal of or disturbance to any termite mounds.
11. The Permit Holder shall implement appropriate erosion control measures to minimise potential erosion or ecological damage within the areas cleared and adjacent areas.
12. The Permit Holder shall implement appropriate weed control measures to prevent the establishment of weeds within the areas cleared and adjacent areas.
13. The Permit Holder shall implement the DoIR approved "*Environmental Management Plan. Barrow Island Infill Drilling Program, April 2007*" (or later revision of this document).

EXPLANATORY NOTES AND DEFINITIONS USED IN THIS PERMIT

Environmental Specialist: means a person who is employed by the Permit Holder and who has an environmental qualification, diploma or degree.

Pipelines: means pipelines for the movement of oil, gas and water necessary for carrying out oilfield operations and operations incidental thereto and includes electrical cabling.

Priority Flora: means priority flora as identified in the Declared Rare and Priority Flora List for Western Australia as published by the Department of Environment and Conservation.

Priority areas (1 to 4) as described in the *Environmental Sensitivity Mapping Database* of the *Chevron Barrow Island Geographic Information System*:

Priority 1: Exclusion zone

- Vegetation of restricted distribution containing floristic components of particular vulnerability and/or with high sensitivity to disturbance (e.g. coastal dunes);
- The designated buffer zone surrounding important habitat to protected fauna sensitive to disturbance;
- The designated buffer zone surrounding Aboriginal Heritage Sites, Anthropological and Fossil sites;
- Landforms susceptible to degradation from indirect impacts of leaks/spills (e.g. caves, fissures).

Priority 2: High impact

- Vegetation of restricted distribution with lower sensitivity to disturbance, or where important floristic components are highly visible. Vegetation types containing components with particular importance to fauna and/or low ability to regenerate (e.g. Melaleuca).

Priority 3: Moderate Impact

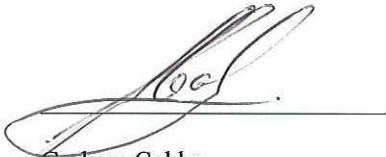
- Widely distributed vegetation.

Priority 4: Low Impact

- Very widely distributed vegetation or widely distributed vegetation with high regeneration capacity.

Designated buffer zones surrounding significant features:

- Bettong warrens (polygon location) - 100m;
- Bettong warrens (point coordinate location) - 150m;
- Brahminy Kite nests - 50m;
- Sea-eagle nests - 70m;
- Osprey nests - 70m;
- Stygofauna in caves/sinkholes - 100m;
- Heritage Sites - 100m;
- Anthropological Sites - 100m;
- Fossil Sites - 100m;
- Caves/Fissures - 100m.



Graham Cobby
DIRECTOR
ENVIRONMENT DIVISION
DEPARTMENT OF INDUSTRY AND RESOURCES

17 May 2007