



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4749/1
Permit Holder:	Brookfield Rail Pty Ltd
Duration of Permit:	23 January 2012 – 23 January 2014

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 bridge maintenance.

2. Land on which clearing is to be done

Railway Reserve (BLYTHEWOOD 6208).

3. Area of Clearing

The Permit Holder must not clear more than 0.01 hectares of native vegetation within the area hatched yellow on attached Plan 4749/1.

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.

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.

6. 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

7. Dieback and 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* and *dieback*:

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

DEFINITIONS

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

dieback means the effect of *Phytophthora* species on native vegetation;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

fill means material used to increase the ground level, or fill a hollow;

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;

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.



M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

Officer delegated under Section 20
of the Environmental Protection Act 1986

28 December 2011

Plan 4749/1



LEGEND

- Cadastre
- Pinjarra 50cm Orthomosaic - Landgate 2006
- Clearing Instruments**
- Areas Approved to Clear



0 ————— 30 m

Scale 1:1114
(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.

M Varnock Date 28/12/11

M Varnock
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.



Department of Environment and Conservation

Our environment, our future
WA Crown Copyright 2002



1. Application details

1.1. Permit application details

Permit application No.: 4749/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Brookfield Rail

1.3. Property details

Property: RAILWAY RESERVE (BLYTHEWOOD 6208)
Local Government Area: Shire of Murray

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.01		Mechanical Removal	Railway construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 28 December 2011

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 968; Medium woodland; jarrah, marri & wandoo (Shepherd, 2009).	The proposed clearing area is 0.01 hectares, consisting of two native trees (Eucalypt sp.)	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition of the vegetation under application was obtained through aerial photography (Pinjarra 50cm Orthomosaic - Landgate 2006).

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

The proposed clearing is 0.01 hectares, being two mature native trees (Eucalypt sp.). The application is for the purpose of positioning a 500 tonne crane to enable access to the bridge for essential bridge maintenance relating to train safety.

The two trees under application are within a mapped Conservation Category Wetland (floodplain) and occurs along the banks of Murray River. As these trees are classified as riparian vegetation the proposed clearing is at variance to Principle (f). A requirement to control weeds and dieback will assist in mitigating impacts to this wetland.

Due to the small amount of clearing it is unlikely that the proposed clearing will impact on fauna habitat, biodiversity or cause appreciable land degradation in the local area.

Given the above, the proposed clearing is at variance to Principle (f), and is not likely to be at variance to any of the remaining clearing principles.

Methodology GIS Databases:
 - Pre European Vegetation
 - Geomorphic wetlands (Mgt categories, Swan Coastal Plain)
 - Pinjarra 50cm Orthomosaic - Landgate 2006
 - SAC Bio Datasets (Accessed 10/12/2011)

Planning instruments, Native Title, Previous EPA decision or other matters.

Comments

The area under application is zoned Z- Railway.

The area under application falls within the Murray Groundwater and Murray River System Surface Water Areas under the Rights in Water and Irrigation Act 1914.

The northern area under application falls within a registered Indigenous Heritage Site. The applicant will be advised to liaise with the Department of Indigenous Affairs regarding obligations under the *Aboriginal Heritage Act 1972*.

No public submissions have been received.

Methodology

GIS databases:

- Town Planning Scheme Zones
- RIWI Act, Groundwater Areas
- RIWI Act, Surface Water Areas and Irrigation Districts
- Aboriginal Sites of Significance

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.
- Shepherd, D.P. (2009) 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.

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)