



## CLEARING PERMIT

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

### PERMIT DETAILS

Area Permit Number: 5543/2  
File Number: DEC2096-2  
Duration of Permit: From 31 May 2013 to 31 May 2033

### PERMIT HOLDER

Holcim (Australia) Pty Ltd

### LAND ON WHICH CLEARING IS TO BE DONE

Lot 3 on Plan 14769, Martin

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.987 hectares of native vegetation within the area shaded yellow on attached Plan 5543/2.

### CONDITIONS

#### 1. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 31 May 2028.

#### 2. 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.

#### 3. 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 12 months following completion of extractive activities, revegetate and rehabilitate the area shaded yellow, with the exception of the pit void, on attached Plan 5543/2 by:
  - (i) re-shaping the surface of the land so that it is consistent with the surrounding 5 metres of uncleared land; and
  - (ii) laying the vegetative material and topsoil retained under condition 3(a) on the cleared area.
- (c) within 24 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 3(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 3(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.
- (d) Where additional *planting* or *direct seeding* of native vegetation is undertaken in accordance with condition 3(c)(ii) of this permit, the Permit Holder shall repeat condition 3(c)(i) and 3(c)(ii) within 24 months of undertaking the additional *planting* or *direct seeding* of native vegetation.
- (e) Where a determination by an *environmental specialist* that the composition, structure and density within areas *revegetated* and *rehabilitated* will result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, as determined in condition 3(c)(i) and (ii) of this permit, that determination shall be submitted for the CEO's consideration. If the CEO does not agree with the determination made under condition 3(c)(ii), the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 3(c)(ii).

#### 4. Records to 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 3 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 or decimal degrees;
  - (ii) a description of the *revegetation* and *rehabilitation* activities undertaken;
  - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares);
  - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*, and
  - (v) a copy of the environmental specialist's report.

#### 5. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
  - (i) of records required under condition 4 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 January to 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.
- (c) Prior to 28 February 2033, the Permit Holder must provide to the CEO a written report of records required under condition 4 of this Permit where these records have not already been provided under condition 5(a) of this Permit.

## DEFINITIONS

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

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

**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;

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

**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 20 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;

**regenerate/ed/ion** means re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) contained either within the topsoil or seed-bearing mulch;

**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 natural *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area.

**weed/s** means any plant -

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

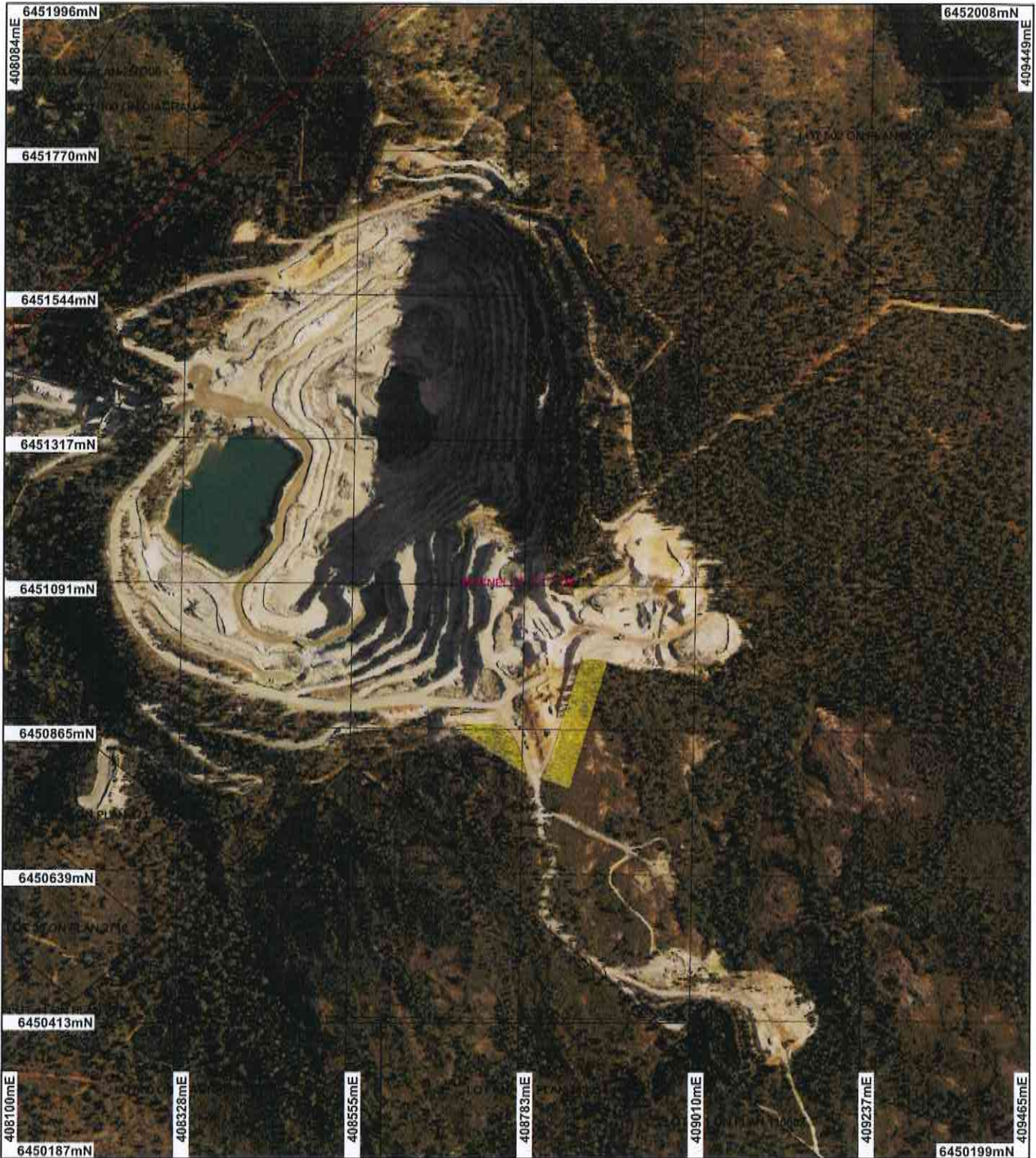


M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

25 July 2013

# Plan 5543/2



## LEGEND

- Cadastre
- Local Government Authorities
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear

Perth Metropolitan Area  
Central 15cm Orthomosaic -  
Landgate 2012



0 200 m

Scale 1:8000  
(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. Warnock* Date 25/7/13

M. Warnock

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.



Government of Western Australia  
Department of Environment Regulation

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# Clearing Permit Decision Report

Government of Western Australia  
Department of Environment Regulation

## 1. Application details

### 1.1. Permit application details

Permit application No.: 5543/2  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Holcim (Australia) Pty Ltd

### 1.3. Property details

Property: LOT 3 ON PLAN 14769 (House No. 89 COCKRAM MARTIN 6110)  
Local Government Area: City of Gosnells

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.987		Mechanical Removal	Extractive Industry

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 25 July 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
Beard Vegetation Association: 4 - Medium woodland; marri and wandoo (Shepherd et al. 2001).	The application is to clear up to 0.987 hectares of native vegetation within Lot 3 on Plan 14769, Martin, for the purpose of extending the Gosnells Quarry.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994).	Vegetation description and condition were determined through aerial imagery, site inspection (DEC 2013) and supporting documentation provided by the applicant (Astron Environmental Service 2012).
Hedde Vegetation Complex: Darling Scarp Complex - Vegetation ranges from low open woodland to lichens according to depth of soils. Woodland components chiefly Eucalyptus wandoo (Wandoo) with Eucalyptus laeolia (Darling Range Ghost Gum) in the north, Corymbia haematoxylon (Mountain Marri) in the south, and Corymbia calophylla (Marri) throughout the region. Dominant vegetation types R. R. (Hedde et al. 1980).	The application area is comprised of three vegetation types (Astron Environmental Service 2012):  Eucalyptus marginata subsp. Thalassica and Corymbia calophylla Open Forest over Allocasuarina fraseriana Low Woodland over mixed species Open Low Heath dominated by Hibbertia hypericoides and Verticordia acerosa.	To  Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	
Mattiske Vegetation Complex: Darling Scarp - Mosaic of open forest of Eucalyptus marginata subsp. marginata-Corymbia calophylla, with some admixtures with Eucalyptus laeolia in the north (subhumid zone), with occasional Eucalyptus marginata subsp. elegantella (mainly in subhumid zone) and Corymbia haematoxylon in the south (humid zone) on deeper soils adjacent to outcrops, woodland of Eucalyptus wandoo (subhumid and semiarid zones), low woodland of Allocasuarina huegeliana on shallow soils over granite outcrops, closed heath of Myrtaceae-Proteaceae species and lithic complex on or near granite outcrops in all climate zones (Mattiske and Havel 1998).	Hakea erinacea and Verticordia acerosa Open Low Heath.  Corymbia calophylla occasionally with Eucalyptus marginata subsp. Thalassica Woodland over Eucalyptus drummondii Low Open Woodland over Hakea trifurcata Tall Open Scrub over Hakea undulata Open heath over Hibbertia hypericoides Closed Low Heath.		

## 3. Assessment of application against clearing principles

### Comments

The applicant has applied to extend the duration of the permit and amend the revegetation condition of CPS 5543/1. A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 5543/1.

### Methodology

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

### Comments

The proponent has applied to extend the duration of the permit CPS 5543/1 and to amend the revegetation condition on the permit so that it is consistent with their Extractive Industry Licence (EIL) revegetation requirements.

The applicant has an EIL over Lot 3 on Plan 14769 (City of Gosnells 2007). The original EIL expired on 30 June 2012. A review of the EIL by the State Administration Tribunal required the original period be set aside and determined that the EIL be valid for 21 years, commencing on 1 July 2007 (SAT 2007).

The City of Gosnells has no objections to the application to clear native vegetation as the subject area is within the footprint for which approval for quarrying activities has been granted (City of Gosnells 2013).

No public submissions have been received in relation to this application.

### Methodology

#### References:

City of Gosnells 2007  
City of Gosnells 2013  
SAT 2007

## 4. References

- Astron Environmental Service (2012) Gosnells Quarry Field Flora, Vegetation and Fauna Survey. Astron Environmental Services, Western Australia. DEC REF: A622936.
- City of Gosnells (2007) Extractive Industry Licence - Gosnells Quarry - Lot 3 on Plan 14769, Martin. City of Gosnells, Western Australia. DEC REF: A610788.
- City of Gosnells (2013) Response to Direct Interest Letter for clearing permit application CPS 5543/1. Received 28/03/2012. DEC REF: A614744.
- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5543/1, Lot 3 on Plan 14769, Martin. Site inspection undertaken 22/04/2013. Department of Environment and Conservation, Western Australia (DEC REF: A624904 and A624888).
- Hedde, 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.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.
- SAT (2007) Order regarding the Gosnells Quarry EIL. Matter between Rinker Australia Pty Ltd and City of Gosnells. State Administrative Tribunal, Western Australia. DEC REF: A610788.
- 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)