



CLEARING PERMIT

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

Purpose Permit number:	CPS 2472/3
Permit Holder:	HBJ Minerals Pty Ltd
Duration of Permit:	10 August 2008 – 10 August 2030

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 mineral exploration, drilling, mineral production and mining activities

2. Land on which clearing is to be done

Lot 103 on Plan 40395, Londonderry

3. Land on which clearing is not authorised

- The Permit holder shall not clear any native vegetation within the area hatched red, as outlined on attached Plan 2472/3.
- The Permit Holder shall not clear native vegetation within 50 metres of the riparian vegetation of any watercourse or wetland within the area cross-hatched yellow on Plan 2472/3.

4. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 10 August 2025.

5. Area of clearing

The Permit holder must not clear more than 250 hectares within the area cross-hatched yellow on attached Plan 2472/3.

6. 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.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared for the purpose of the authorised activity the Permit holder must have regard to the following principles, set out in order of preference:

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- reduce the impact of clearing on any environmental value.

8. 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*:

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

9. Flora Management

- (a) Prior to undertaking any clearing authorised under this permit, the area shall be inspected by a *flora specialist* who shall identify *priority flora*.
- (b) Where *priority flora* are identified in relation to condition 9(a) the Permit holder shall ensure that:
 - (i) all records of *priority flora* are submitted to the CEO;
 - (ii) no clearing occurs within 10 metres of identified *priority flora*, unless approved by the CEO.

10. Fauna Management

- (a) Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *fauna specialist* to conduct a *fauna survey* within the Permit Area to identify *Leipoa ocellata* (Malleefowl) mounds.
- (b) Where *Leipoa ocellata* (Malleefowl) mounds are identified under condition 10(a) of this Permit, the Permit Holder shall ensure that no clearing within 50 metres of the identified *Leipoa ocellata* (Malleefowl) mounds occurs, unless first approved by the CEO.

11. 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 six months following the clearing authorised under this Permit, *revegetate* and *rehabilitate* the area(s) that are no longer required for the purpose for which they were cleared under this Permit by:
 - (i) ripping the ground on the contour to remove soil compaction; and
 - (ii) laying the vegetative material and topsoil retained under condition 11(a) on the cleared area(s) that are no longer required for the purpose for which they were cleared under this Permit.
- (c) within 24 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 11(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 11(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 11(c)(ii) of this permit, the Permit Holder shall repeat condition 11(c)(i) and 11(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 11(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 11(c)(ii), the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 11(c)(ii).

PART III – RECORD KEEPING AND REPORTING

12. Records must be kept

The Permit holder must maintain the following records for activities done pursuant to this Permit, as relevant:

- (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 or decimal degrees;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).
- (b) In relation to flora management pursuant to condition 9:
 - (i) the location of each *priority flora* recorded using Geocentric Datum Australia 1994; and
 - (ii) the species name of each *priority flora* identified.
- (c) In relation to fauna management pursuant to condition 10, the location of each malleefowl mound in accordance with condition 10(a) using Geocentric Datum Australia 1994;
- (d) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 11 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.

13. 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 12 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding 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 10 May 2030, the Permit Holder must provide to the CEO a written report of records required under condition 12 of this Permit where these records have not already been provided under condition 13(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;

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.

fauna specialist: means a person who holds a tertiary qualification specializing in environmental science or equivalent, and has a minimum of 2 years work experience in fauna identification and surveys of fauna native to the region being inspected or surveyed, or who is approved by the CEO as a suitable fauna specialist for the bioregion, and who holds a valid fauna licence issued under the *Wildlife Conservation Act 1950*;

fauna survey: means a field-based investigation, including a review of established literature, of the biodiversity of fauna and/or fauna habitat of the Permit Area. Where conservation significant fauna are identified in the Permit Area, the survey should also include sufficient surrounding areas to place the Permit Area into local context.

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 50 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion 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;

priority flora means those plant taxa described as priority flora classes 1, 2, 3, 4 or 5 in the *Department of Parks and Wildlife's Threatened and Priority Flora List for Western Australia* (as amended);

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 a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.

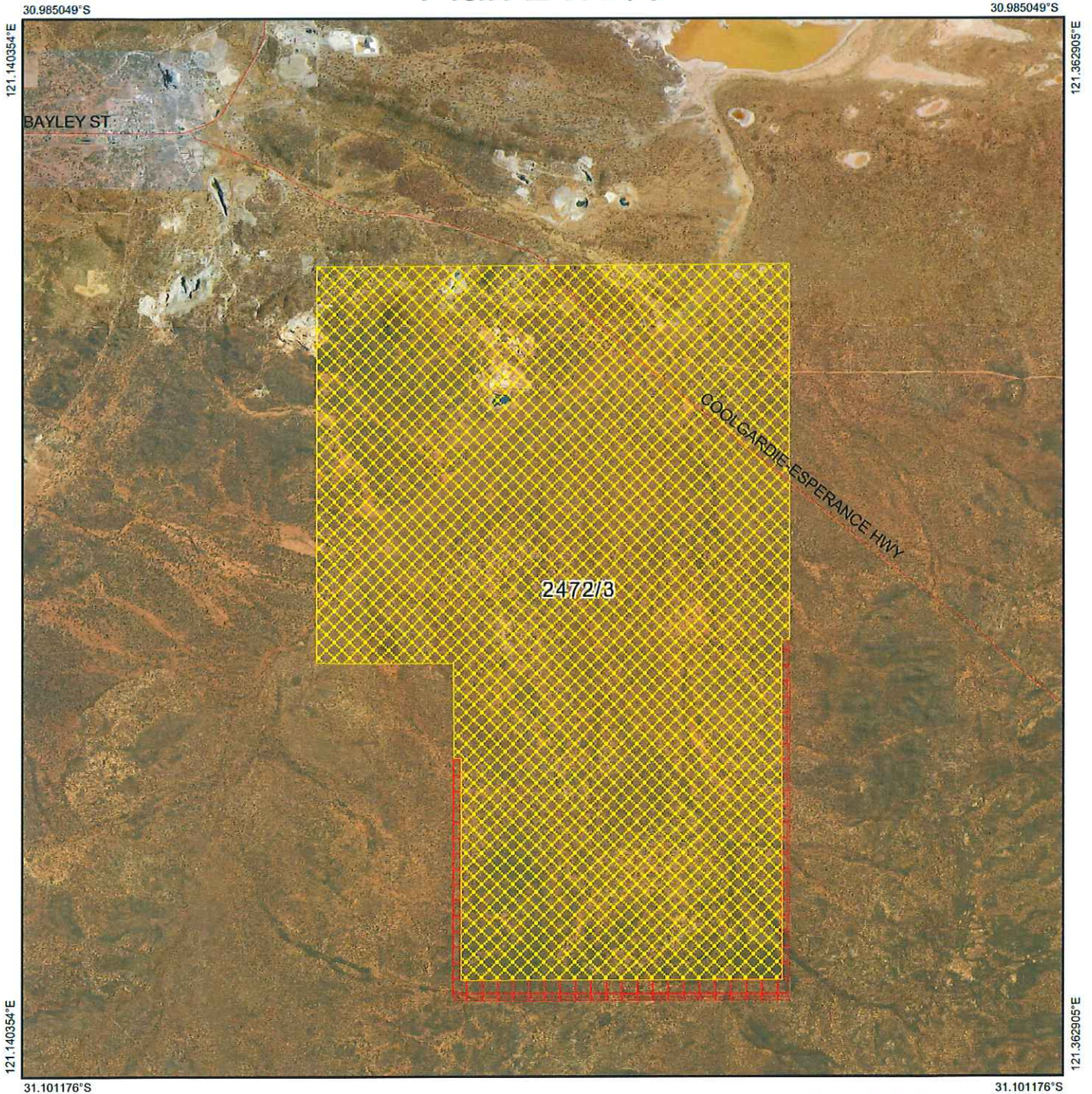


Jane Clarkson
A/SENIOR MANAGER
CLEARING REGULATION

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

4 February 2016

Plan 2472/3



Legend

-  Imagery
-  Clearing Instruments Activities
-  Clearing Instruments Conditions



1:112,558

(Approximate when reproduced at A4)
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

 Date 4/2/16

Jane Clarkson

Officer with delegated authority under Section 20 of the Environmental
Protection Act 1986



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1. Application details

1.1. Permit application details

Permit application No.: 2472/3
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: HBJ Minerals Pty Ltd

1.3. Property details

Property: LOT 103 ON PLAN 40395, LONDONDERRY
Colloquial name:
Local Government Authority: COOLGARDIE, SHIRE OF
DER Region: Goldfields
Localities: KARRAMINDIE and LONDONDERRY

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
250		Mechanical Removal	Mineral production

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 04 February 2016

Reasons for Decision: The clearing application to amend CPS 2472/2 has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the *Environmental Protection Act 1986*, and it has been concluded that the assessment against the clearing principles has not changed. Administrative changes to the permit conditions have been made to bring the conditions in line with current Department of Environment Regulation practice.

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 associations: 9- Medium woodland; coral gum (E. torquata) & Goldfields blackbutt (E. lesouefi). 125- Bare areas; salt lakes. 936- Medium woodland; salmon gum. (Shepherd et al. 2001).	The applicant has applied to include the additional purposes of drilling, mineral production and mining activities. The area under application is for clearing of 250 ha for exploration within a ~14,500 ha project area (Location 59 South). The project area is located approximately 6km south-east of the Coolgardie town site.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery, 1994)	A flora survey conducted by Botanica Consulting (2006) identified the vegetation condition of the ten vegetation groups to be predominantly very good (Keighery, 1994) condition.

3. Assessment of application against clearing principles

Comments

The proponent has applied to include the purposes of drilling, mineral production and mining activities. A review of current environmental information reveals that under principle (a), the flora species *Eremophila* sp. Mt Jackson is no longer considered a conservation significant flora. However, *Thryptomene* sp. Londonderry, a

priority 1 flora species, has been recorded within the local area (20 Kilometre radius). It is considered likely for habitat for this species to occur within the application area (Parks and Wildlife, 2015). Principle (a) remains at variance.

The assessment against the remaining clearing principles has not changed and can be found in the clearing permit decision report CPS 2472/1.

Methodology References:
-Parks and Wildlife (2015)

Planning instruments and other relevant matters.

Comments The applicant has applied to include the additional purposes of drilling, mineral production and mining activities.

No submissions from the public have been received.

One registered Aboriginal site of significance occurs within the application area. It is the applicant's responsibility to ensure that their responsibilities under the Aboriginal Heritage Act (1972) have been fulfilled.

Administrative changes to the permit conditions have been made to bring the conditions in line with current Department of Environment Regulation practice.

Methodology GIS Databases
-Aboriginal sites of significance

4. References

- Botanica Consulting (2006) Appendix 1: Harmony-South Kal Mines Pty Ltd; Flora survey of Location 59 (within EEL59, S57/10, L15/275 & E15/939), December 2006 Final.
- 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., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.