



## 1. Application details

### 1.1. Permit application details

Permit application No.: 221/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Kimberley Diamond Company NL

### 1.3. Property details

Property: M4/372  
E4/813  
L4/26  
E4/1105  
M4/391

Colloquial name: Roberts Road, Ellendale Mine access road.

### 1.4. Application

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

## 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
Vegetation Association 760 - Shrublands, pindan; Acacia tumida shrubland with scattered low bloodwood and Eucalyptus setosa over ribbon and curly spinifex.	Some of the areas to be cleared include old gravel pits.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	Condition assessment based on permit application.

## 3. Assessment of application against Clearing Principles

### (a) Native vegetation should not be cleared if it comprises a high level of biological diversity.

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

A survey by Matiske Consulting Pty Ltd (2003) recorded a total of 64 families, 155 genera and 265 species in the entire Ellendale Mine project area. A large proportion of the plant population is contained within a small number of families and the vegetation communities are not markedly diverse.

**Methodology** Matiske Consulting Pty Ltd (2003)

### (b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

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

In general, the vegetation of the site is well represented throughout the region (Matiske Consulting Pty Ltd 2003) and the removal of 5 x 1ha areas is unlikely to significantly impact on any fauna species.

**Methodology**

### (c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, significant flora.

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

There are no Declare Rare or Priority Flora within the area to be cleared.

**Methodology** GIS Database: Declared Rare and Priority Flora Lists - CALM 13/08/03; Matiske Consulting Pty Ltd (2003)

**(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a significant ecological community.**

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

There are no Threatened Ecological Communities within the area to be cleared.

**Methodology**    GIS Database: Threatened Ecological Communities - CALM 15/7/03

**(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.**

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

The vegetation of the area is Beard Vegetation Association 760. There is ~100% of the pre-European extent of this vegetation type still remaining (Shepherd et al., 2001).

**Methodology**    GIS Database: Pre-European Extent - DA 01/01; Shepherd et al. (2001)

**(f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.**

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

The vegetation to be cleared is not associated with a watercourse or wetland.

**Methodology**    GIS Database: Hydrology, linear - DOE 1/2/04

**(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.**

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

There are no land degradation issues of concern with the proposal.

**Methodology**    DAWA (2004)

**(h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.**

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

The closest conservation reserve is Windjana Gorge National Park, over 20kms to the east. The Devonian Reef Conservation Park is some 25kms to the south-east.

**Methodology**    GIS Database: CALM Managed Lands and Waters - 1/06/04

**(i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.**

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

It is unlikely that such small areas of vegetation removal (5 x 1ha) will have a negative impact on surface or ground water quality.

**Methodology**

**(j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence of flooding.**

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

It is unlikely that the clearing of such small areas (5 x 1ha) will have a significant impact on flood regimes in the region.

**Methodology**

### (k) Planning instrument or other matter.

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

Miscellaneous Licence application to cover existing pits has been submitted to DOIR and is pending.

**Methodology**      DoIR (2004)

### 4. Assessor's recommendations

<b>Purpose</b>	<b>Method</b>	<b>Applied area (ha)/ trees</b>	<b>Decision</b>	<b>Comment / recommendation</b>
Extractive Industry	Mechanical Removal	5	<b>Grant</b>	Recommend that proposal is granted as there are no issues that are at variance with the Clearing Principles.

### 5. References

- DoIR (2004) Correspondence from T Webster, Department of Industries and Resources, dated 4/11/2004. TRIM ref KNI454
- Keighery, BJ (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske Consulting Pty Ltd (2003) Flora and Vegetation Survey, Ellendale Diamond Project. TRIM ref KNI451, KNI452 and KNI453
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.