

1. Application details

1. Application details						
1.1. Permit application	n details					
Permit application No.:	341/1					
Permit type:	Area Permit					
1.2. Proponent details						
Proponent's name:	Birla Nifty Pty Lt	Rida Niffy Div Ltd				
		u				
1.3. Property details	AN 170/074					
Property:		AM70/271				
Local Government Area:	Shire Of East Pilb					
Colloquial name:	Niny Copper Mine	opper Mine, gas pipeline				
1.4. Application						
Clearing Area (ha)	lo. Trees Method	s Method of Clearing For the purpose of:				
24.5	Mechan	ical Removal Mi	ining			
2. Site Information						
2.1. Existing environm	nent and information	n				
2.1.1. Description of the						
•	learing Description	Vegetation Condition	Comment			
•	he vegetation of the site is	Good: Structure	The vegetation to be cleared adjoins a current waste rock			
0	rimarily hummock	significantly altered by	dump and is bound by existing roads and lay down yards,			
0 <i>i</i>	asslands of Triodia	multiple disturbance;	so is already significantly disturbed (MBS Environmental,			
1 11 7	asedowii and Triodia chinzii, a sparse mid	retains basic structure/ability to	2004).			
	orey of Eucalyptus	regenerate (Keighery				
	achyphylla and a number	1994)				
•	Grevillea species, and a					
	ery sparse upper storey onsisting primarily of					
	orymbia chippendalei and					
	ucalyptus victrix (MBS					
	nvironmental, 2004).					
(Shepherd et al, 2001).						
3. Assessment of app	lication against clea	ring principles				
- Assessment or app	neation-against-clea	ing principles				
(a) Native vegetation should not be cleared if it comprises a high level of biological diversity.						
Comments Proposal i	s not likely to be at	variance to this Pri	inciple			
Comments Proposal is not likely to be at variance to this Principle The vegetation of the site is primarily hummock grasslands of Triodia basedowii and Triodia schinzii, a spa						
			evillea species, and a very sparse upper storey			

mid storey of Eucalyptus pachyphylla and a number of Grevillea species, and a very sparse upper storey consisting primarily of Corymbia chippendalei and Eucalyptus victrix (MBS Environmental, 2004). The vegetation to be cleared is adjacent to a current waste rock dump and is bound by existing roads and lay down yards, so is already significantly disturbed (MBS Environmental, 2004). There are no Environmentally Sensitive Areas present within or around the application area, therefore it is unlikely to represent an area of outstanding biological diversity.

Methodology MBS Environmental, 2004;

GIS Database: Environmentally Sensitive Areas - DOE 22/10/04

(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

The fauna habitat to be cleared is widely represented in the Eastern Pilbara and the Great Sandy Desert and none of the fauna species recorded in the survey have ranges restricted to the immediate area (MBS Environmental, 2004). Therefore, it is unlikely the fauna will be impacted upon by any major disturbance or loss of habitats (MBS Environmental, 2004). Minimal impact would be expected over the long term as the proposed management measures include the progressive rehabilitation and revegetation of the cleared area (MBS Environmental, 2004).

Methodology MBS Environmental, 2004

(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, significant flora.				
Comments	Proposal is not likely to be at variance to this Principle No Declared Rare Flora species were surveyed within the project area (MBS Environmental, 2004). One Priority Two flora species, Goodenia hartiana, was recorded in the application area, predominantly in disturbed areas such as on the edge and middle of tracks. It is possible that disturbance to the soil as a result of construction activities may result in further populations of the species establishing (MBS Environmental, 2004). The implementation of progressive rehabilitation and revegetation will ensure the vegetation, including this Priority Two species, is able to regenerate within the area (MBS Environmental, 2004).			
Methodology	MBS Environmental, 2004; GIS Database: Declared Rare and Priority Flora Lists - CALM 13/08/03			
	e vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the enance of a significant ecological community.			
Comments	Proposal is not likely to be at variance to this Principle There are no known Threatened Ecological Communities within the area proposed for clearing.			
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 likely to be at variance to this Principle The vegetation to be cleared is Beards Vegetation Association #134 (Hopkins et al, 2001), of which there is ~100 of the pre-European extent still remaining (Shepherd et al, 2001).			
Methodology	blogy Hopkins et al, 2001; Shepherd et al, 2001; GIS Database: Pre-European Extent - DA 01/01			
	e vegetation should not be cleared if it is growing in, or in association with, an environment iated with a watercourse or wetland.			
Comments	Proposal is not likely to be at variance to this Principle The vegetation to be cleared is contained within the Sandy Desert Basin catchment area, but is not associated with any major watercourses or wetlands.			
Methodology	GIS Databases: -Hydrography, linear - DOE 1/2/04 -ANCA Wetlands - CALM 08/01 -Hydrographic Catchments - Catchments - DOE 3/4/03			
(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.				
Comments	Proposal is not likely to be at variance to this Principle The likely land degradation risks posed by the clearing of 24.5 hectares of vegetation are minimal as the areas are already heavily degraded (MBS Environmental, 2004).			
Methodology	MBS Environmental, 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 likely to be at variance to this Principle There are no conservation areas adjacent to the area proposed to be cleared.			
Methodology	GIS Database: CALM Managed Lands and Waters - 1/06/04			

	vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration juality of surface or underground water.			
Comments	Proposal is not likely to be at variance to this Principle The proposed clearing of 24.5 hectares is unlikely to have an impact on surface water quality and is unlikely to provide a major input to the recharge of groundwater.			
Methodology	GIS Database: -Hydrographic Catchments - Catchments - DOE 3/4/03 -Hydrography, linear - DOE 1/2/04			
	vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the ace of flooding.			
Comments	Proposal is not likely to be at variance to this Principle The average annual rainfall of the area is ~400mm, which falls predominantly over the December to March period. Surface flow in this area only occurs during exceptionally high rainfall events (MBS Environmental, 2005). It is unlikely that the clearing of 24.5 hectares of vegetation will have a significant influence on the run-off and flood regimes in the local area.			
Methodology	MBS Environmental, 2005; GIS Database: Rainfall, Mean Annual - BOM 30/09/01			
Planning in	strument, Native Title, Previous EPA decision or other matter.			
Comments	The Shire of East Pilbara had no objections to the proposed clearing application.			
Methodology	The Pilbara Native Title Service provided no comment on the clearing application. Shire of East Pilbara (2005) Submission			
4. Assesso	or's recommendations			
Purpose Met	hod Applied Decision Comment / recommendation area (ha)/ trees			

area (ha)/ trees			ees	
Mining	Mechanical Removal	24.5	Grant	Assessable criteria have been addressed and no objections were raised. The Assessing Officer therefore recommends that the permit should be granted.

5. References

Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.

Keighery, BJ (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

MBS Environmental (2004) Nifty Copper Operation: Power Supply and Infrastructure Corridor Vegetation and Habitat Assessment. Prepared by MBS Environmental for Birla Nifty Pty Ltd. Department of Environment Reference: TRIM KNI666

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.

Shire of East Pilbara (2005) Submission