

1. Application details									
1.1. Permit application details									
Permit application of Permit application of Permit application No.: Permit type:		242/1							
		Area Permit							
1.2. Propo	nent details								
1.2. Proponent details Proponent's name:		Kyarra Gold Mine Pty Ltd							
-									
1.3. Property details Property:		M51/324							
Colloquial name:		Mt Clere Rd, Garden Gulley, 22km from Meekatharra							
-		Wit Olere Nu, Garden Gulley, 22km nom Weekanana							
1.4. Applic Clearing Area (rees	Method of Clearing	For the purpose of:					
10	()		Mechanical Removal	Mining					
2. Site info	ormation								
2.1. Existi	ng environmen	t and ir	formation						
	-		tation under application						
Vegetation Des	,	g Descrip		Vegetation Condition	Comment				
Beard 18: Low			der application (6-10ha) is	Degraded: Structure	The land proposed to be cleared has				
woodland; mulg aneura) (Hopkir			ning tenement M51/324, Gully on Mt Clere Rd, 22km	severely disturbed; regeneration to good	historically been used for mining - first worked between 1909 and 1916 (P. Gokus				
2001).	from Me	ekatharra	in the Meekatharra Shire.	condition requires	pers. comm. Kyara mine owner and				
			upper slope of an inclined dscape in the Wiluna Land	intensive management (Keighery 1994)	operator, 2004) . During this period, most o the vegetation was removed. Photographs				
	System.	The soil i	s shallow red earth and hard		of the site (Trim ref: IN18411) indicate that				
			ss than 50cm deep on and greenstone. The only		the vegetation has not been restored and there is no groundcover or understorey				
	vegetati	on remain	ing on the site is		(DAWA, 2004).				
	approxir 2004).	mately 100)-120 Acacia aneura (DAWA,						
3. Assessr	ment of applica	tion ag	ainst Clearing Principle	es					
(a) Native	vegetation sho	uld not	be cleared if it compris	ses a high level of b	iological diversity.				
Comments	Proposal is not at variance to this Principle								
	The area under application has been used for mining purposes since 1909 (Gokus, pers. comm. 2004).								
	Photographs of the site provided by the proponent (Kyarra Gold Mine Pty Ltd, 2004), indicate that the area has been extensively cleared and never regenerated. There is no undestorey or groundcover remaining (DAWA,								
					area of significant biodiversity.				
	DA144 0004								
Methodology	DAWA, 2004. Application for a clearing permit (area permit) - Kyarra Gold Mine Pty Ltd (2004).								
	Application for a	cleaning	permit (area permit) - Kyai						
(b) Nativo v	vagatation show	uld not k	a cleared if it comprise	os tho whole or a pa	art of or is posses or for the				
(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								
No information was available to make an assessment of t				nt of this Principla, how	ever the historical land use				
(P.Gokus, pers. comm. 2004) and associated clearing of this site wo									
			e to this Principle.						
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 likely to be at variance to this Principle

A Priority 3 species, Menkea draboides is known to occur approximately 7.8km from the site of proposed clearing, however the area under application has had all undestorey and groundcover removed and only Acacia aneura remains (DAWA, 2004). The area under application is therefore unlikely to contain Declared Rare Flora.

Methodology GIS databases: Declared Rare and Priority Flora List-CALM 13/08/03. (Data pertaining to pertaining to outlying mining tenements is limited and does not necessarily constitute a comprehensive listing of significant flora of the area in question). DAWA, 2004.

(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 likely to be at variance to this Principle

A Priority 3 species, Menkea draboides is known to occur approximately 7.8km from the site of proposed clearing, however the area under application has had all understorey and groundcover removed and only Acacia aneura remains (DAWA, 2004). The area under application is therefore unlikely to contain Threatened Ecological Communities.

Methodology GIS databases: Declared Rare and Priority Flora List-CALM 13/08/03, Threatened Ecological Communities-CALM 15/07/03, Environmentally Sensitive Areas-DOE 22/10/04 (Data pertaining to outlying mining tenements is limited and does not necessarily constitute a comprehensive listing of significant ecological communities of the area in question). DAWA, 2004.

(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 under application is part of the Beard vegetation association 18 and lies in the Meekatharra Shire in the Murchison Bioregion. There is greater than 50% of association 18 remaining in Western Australia. The Murchison Bioregion also has a vegetation extent greater than 50% (Shepherd et al, 2001). This vegetation type and the bioregion are therefore considered of least concern for bioregional conservation (Department of Natural Resources and Environment 2002).

	Pre-European area (ha)	Current extent (ha)	Remaining %*	Conservation status**	Reserves/CALM- managed land, %
IBRA Bioregion -					
Murchison	28,206,195	28,206,195	100	Least concern	
Shire - Meekatharra	No information	n available			
Beard veg type - 18	24,675,970	24,659,110	99.9	Least concern	4.8

* (Shepherd et al, 2001)

** (Department of Natural Resources and Environment 2002)

Methodology GIS databases: Interim Biogeographic Regionalisation of Australia-EA 18/10/00, Local Government Authorities-DLI 08/07/04, Pre-European Vegetation-DA 01/01, EPA Position Paper No 2 Agriculture Region-DEP 12/00. Shepherd et al, 2001 (This reference is not up to date and the probability of a greater extent of clearing than stated is high).

(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 likely to be at variance to this Principle

The area under application lies within the Murchison River basin in the Murchison River catchment. There are 2 minor non-perennial watercourses in the vicinity of the clearing. The closest is approximately 64.6m away and the second is known as Garden Gully Creek and is 416.4m away. The proponent intends to strip and stockpile vegetation and top soil for the purposes of a waste dump. The proposed clearing is relatively close to these minor creeks, however a bund wall will be constructed to contain any run off (R. Shaw, pers. comm., afiliation, 2004).

The historical land use and associated clearing of this site (P. Gokus, pers. comm., 2004) would suggest that these minor watercourses would not represent an ecosystem of significant environmental value. Therefore, the

proposed clearing is not likely to be at variance to this Principle.

Methodology GIS databases: Hydrographic Catchments-Catchments-DOE 03/04/03, Hydrography Linear-DOE 01/02/04. DAWA, 2004.

(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 removal of native vegetation will not contribute to salinity, waterlogging or flooding but may contribute to wind and water erosion (DAWA, 2004). DAWA (2004) concluded that if the vegetation is cleared to facilitate the intended land use, minimal land degradation will occur.

The area of vegetation under application is relatively small and given the historical land use and associated clearing, the removal of vegetation is not likely to be at variance to this principle.

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 area under application falls within a Waters and Rivers Commission Estate reserved area. This reserve is a remant of the days when stock were moved across the country and required areas along the way to water animals. As there are no protected public drinking water areas in the vicinity of the proposed clearing, this WRC Estate is no longer considered to be a conservation area. There are no CALM managed lands within 10km (DoE, 2004) of the area under application, therefore the proposed clearing is not at variance to this Principle.

Methodology GIS databases: PDWSA data sets (Priority Areas - Gazetted-WRC 24/05/02 and Policy-WRC 01/11/02, Protection Zones-DoE 07/01/04, Gazetted-WRC 01/11/02 and Policy-WRC 01/11/02), CALM Regional Parks-CALM 12/04/02, WRC Estate-WRC 05/99, CALM Managed Lands & Waters-CALM 01/06/04, Proposed National Parks FMP-CALM 19/03/03, Register of National Estate-EA 28/01/03. DoE, 2004.

(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 at variance to this Principle

The area under application lies in the Murchison Basin in the Murchison Catchment. The closest bore to the proposed clearing is approximately 685.5m away and belongs to the Water Corporation. This bore is not currently operating and there are no protected public drinking water areas within close proximity of the site. Given the small scale of clearing (approximately 10ha) and the degraded state of the remaining vegetation, it is not likely that the proposed clearingl will cause deterioration in the quality of surface or underground water.

Methodology GIS databases: Current WIN data sets (sites-all custodians, surface water sites-other-DEWCP and non-DEWCP, surface water sites-stream guaging-DEWCP and non-DEWCP, telemetry sites-DEWCP, uncatalogued sites-DEWCP and non-DEWCP), PWDSA data sets (priority areas-gazetted-WRC 24/05/02, priority areaspolicy-WRC 01/11/02, protection zones-WRC 01/11/02, gazetted-WRC 01/11/02 and policy-WRC 01/11/02) and Public Drinking Water Source Areas (PWDSAs)-DOE 01/06/04.

(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 at variance to this Principle

DAWA (2004) state that the removal of vegetation wil not contribute to flooding. Given the degraded condition of the vegetation structure remaining, it is not likely that the proposed clearing will cause or exacerbate the incidence of flooding.

Methodology DAWA, 2004.

Planning instrument or other matter.

Comments Proposal is not at variance to this Principle

The Meekatharra Shire Council have not indicated that there are any planning requirements/approvals that would affect the clearing.

Methodology

4. Assessor's recommendations						
Purpose		Applied area (ha)/ trees	Decision	Comment / recommendation		
Mining	Mechanica Removal	I 10	Grant	The area under application has been used for mining purposes since 1909. The area has been extensively cleared, with no understorey or groundcover remaining. Given the relatively small scale of the proposed clearing (10ha) and the degraded nature of vegetation remaining, the proposal is unlikely to be at variance with any of the environmental protection Clearing Principles.		

5. References

DAWA (2004) Land degradation assessment report. Office of the Commissioner of Soil and Land Conservation, Department of Agriculture Western Australia. DoE TRIM ref GD216.

Department of Natural Resources and Environment (2002) Biodiversity Action Planning. Action planning for native biodiversity at multiple scales ; catchment bioregional, landscape, local. Department of Natural Resources and Environment, Victoria.

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.

Kyarra Gold Mine Pty Ltd (2004) Application for a clearing permit (area permit) – Kyarra Gold Mine Pty Ltd. DoE Trim ref IN18411.

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.