

20th December 2004

Department of Environment
PO Box 6740
Hay Street
East Perth, 6892

To Whom It May Concern:

Subject: Purpose Clearing Permit – Red Hill Waste Dump Area

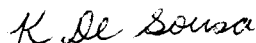
Please find attached documentation for the application of an Area Clearing Permit covering the Red Hill Waste Dump area. A map showing the proposed extent of the clearing permit is attached and a CD with the MIF file of the area is enclosed.

The permit application area to be cleared is for the extension of the Red Hill Waste Dump. The area covered by the current waste dump will be fully utilised in February 2005 and the waste dump needs to be extended at this time for mining to continue. An estimated 15.1ha of clearing is required for the extension of the waste dump. This areas will be tracked and reported on an annual basis within the Kalgoorlie West Operations and Kanowna Belle Operations Annual Environmental Reports. Progressive rehabilitation of disturbed areas will be carried out where possible.

A Purpose Clearing Permit has previously been submitted for all of the tenements covered by the Red Hill mining area. After advice from the Native Vegetation Protection unit of the Department of Environment, this Area Clearing Permit has been submitted to try to reduce the time taken to get approval to clear for the Red Hill waste dump extension by reducing the area that needs to be assessed. A vegetation survey has also been conducted on the area that needs to be cleared to further streamline the approval process. No species of note was recorded during this survey. In addition, no records of declared or priority flora were noted during a search of the CALM Rare Flora database.

Due to the short amount of time left in the current waste dump this clearing permit is extremely urgent. If you require any other information to speed up the processing of this application please contact me on 9080 6841 or via email (Katina_DeSousa@PlacerDome.com).

Yours sincerely,



Katina De Sousa
Environmental Coordinator
Kalgoorlie West

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Paddington Gold Pty Limited – ABN 98 008 585 886
A member of the Placer Dome Group



Department of Environment
Government of Western Australia

OFFICE USE ONLY

FORM C1

Clearing of native vegetation is prohibited in Western Australia except where a clearing permit has been granted or an exemption applies. A person who causes or allows unauthorised clearing commits an offence.

An area permit is required before clearing specific areas of native vegetation that are not of an exempt type.

Application for a clearing permit (area permit)

To the CEO of the Department of Environment (DoE)
Environmental Protection Act 1986 s 51E

Part 1 Applicant

To apply for a permit you must either be:

- The owner of the land
- Acting on the owner's behalf
- Likely to become the owner of the land

Applicant's given name(s) and surname or company name(s)

Kanowna Mines Ltd

Contact details

If there is insufficient room on any part of this form, please continue on a separate sheet of paper and attach to this form.

Postal address

PO Box 1162

Kalgoorlie

Postcode 6430

Contact name (if different to applicant)

Katrina De Sousa

Phone number

(08) 9090 6941

Mobile number

0428 195 265

Fax number

(08) 9090 6893

Email address

Katrina-DeSousa@PlacerDome.com

Part 2 Land details

The land where clearing is proposed must be accurately described.

A current copy of the certificate of title can be submitted to assist in the correct identification of the land. If you do not have the certificate of title, copies are available from the Department of Land Information.

Lot or location number(s)

M 27/164, M 27/127,

Street

Nearest town

Kalgoorlie-Boulder

Local government area

Kalgoorlie

Locality

Kalgoorlie

Distance from nearest town

23 km.

Land zoning, eg rural, residential, industrial

Volume and folio number for certificate of title of all properties

Ownership of land

If granted, the permit will be issued in the name of the land owner.

A land owner can be:

- A person who holds the certificate of title
- A person who is the lessee of crown land, or
- A public authority that is responsible for care of the land

Full name of land owner as appears on certificate of title

Kanowna Mines Ltd.

If the land owner is a company or registered body, please provide the Australian Company Number:

ACN

010 511 789

Relationship to owner of land

Please state your relationship to the owner of the land.

If you are likely to become the owner of the land, please attach further information, such as the contract of sale.

I am (tick applicable box)

☒ the owner of the land; or

☐ acting on behalf of the owner and have attached an agent's authority, expressly authorising me to act on behalf of the land owner; or

☐ likely to become the owner of the land.

Please retain a copy of this form for your records. The CEO will decline to deal with incomplete applications.

Part 3 Proposal

Please provide some initial details on the clearing proposed. DoE may contact you to request further information on a specific issue.

Where existing technical information is unavailable or incomplete, you will need to arrange for a qualified person to collect it.

A decision may take a number of weeks, depending on the complexity of the proposal.

Total area of clearing proposed (ha)

15.1 Ha

or Number of individual trees to be removed

Method of clearing and proposed disposal of vegetation

Mechanised clearing; vegetation stockpiled for later rehabilitation.

Period for which clearing is required, eg May 2007 – June 2007

January 2005 – December 2005

Purpose of clearing

Construction of a waste dump.

Additional information

Existing issues such as the risk of land or water salinity, flooding, presence of rare flora or fauna should be noted. Providing this information may assist in the assessment of your application.

Vegetation survey has been done in the area (see report attached).

Part 4 Fees**Accepted payment methods:**

Cheques or money order.
Make cheques or money orders payable to: *Department of Environment*.
Do not send cash in the mail.
Fees must accompany your application for a clearing permit.

I have enclosed the required fee of (tick applicable box)

☐ \$50 for an area of less than 1ha; or☐ \$100 for an area between 1ha and 10ha; or☒ \$200 for an area more than 10ha.**Part 5 Declaration & Signature**

For your application to be accepted, you must sign it either on behalf of your company (a), or as an individual (b).

By signing this form you are declaring that the statements on this form are true and correct. Providing false or misleading information is grounds for revocation or suspension of a clearing permit.

a) For company applicants

For applicants that are a company or registered body, complete this part of the form.

If you are authorised to sign on behalf of your company, sign this part of the form.

ACN

010 511 789

Signature of person duly authorised to sign for and on behalf of incorporated body or company

MW Fish

OR

Date

21/12/04

OR

If your company is required to use a common seal, you must affix this seal and have this application signed by an authorised director(s) in accordance with the Corporations Law.

The common seal was affixed in accordance with the company articles of association in the presence of

Date

Company Seal

b) For individual applicants

For individual applicants, such as private land holders, sign this part of the application form.

Signature

Date

Part 6 Application checklist

Additional information to assist in the assessment of your proposal may be attached with this application.

Please ensure you have included the following as part of your application:

☒ A completed application form that is signed and dated☒ A locality map with a north point identifying the land to be cleared**Part 7 How to lodge this application****Lodge this application with your local DoE office or post to:**

Department of Environment
PO Box 6740 Hay Street
East Perth, WA 6892

For further information please refer to the **Guide to Clearing Permits**, contact your nearest regional DoE office, phone 1800 061 025, or visit www.environment.wa.gov.au.



Placer Dome Asia Pacific

Flora Study for proposed land clearing Red Hill, Mining Leases M27/184 & M27/127

Introduction

Minesite Rehabilitation Services Pty Ltd carried out a flora study of 2 sites that are proposed to be cleared at the Red Hill operations of Placer Dome Asia Pacific on The 15th December 2004. The Red Hill operations are located in the South-Western Interzone of the Coolgardie botanical district approx 20km northeast of Kalgoorlie.

There were 2 areas of study for the purpose of this report they were referred to as **Area 1** and **Area 2**.

The methodology for the study was opportunistic sightings with the areas being traversed at 10-15m intervals with the aid of GPS. This method was chosen for the study given the small size of the areas to be surveyed

Area 1 is approx 2.5ha and is located in the eastern portion of the minesite, its western boundary is the existing waste rock dump. The Paddington haul road defines the southern and eastern boundaries. The area of study is typical of an open Goldfields eucalypt woodlands with an upper storey dominated by eucalypts a middle story of acacia's, eremophila's and a lower story comprising of chenopod's. There is evidence of considerable previous disturbance on the site, there are numerous old mine diggings and tracks. Dung droppings also indicate the site is well grazed by kangaroo's and rabbits. The area is level with its surrounding natural environment with no obvious drainage lines running through it.

Area 2 is approx 7-8ha and is located in the north-western portion of the minesite, the top of a rocky slope defines the southern and western boundaries. This slopes towards the eastern boundary, which is the base of an existing waste rock dump. An area of considerable disturbance defines the northern boundary with a number of old mine shafts present. The vegetation on the site consists of middle story species of acacia's, eremophila's, and dodonea's, with a lower story of chenopods mainly sclerolena's, with atriplex and ptilotus species present. There are indications that a number of annual species are present on the site, however the accurate recording of these species was not able to be undertaken due to the season (dry December) of the study. Dung droppings also indicate the site is well grazed by kangaroo's. A number of old mine workings are also present on the site.

Map showing the two areas that were surveyed. Both areas are defined within the red lines with area 1 in the top right hand corner of the photograph and area 2 at the bottom left hand side.



Vegetation Unit Descriptions

Area 1

Open Eucalypt Woodland



Typical view of "Open Eucalypt Woodland" looking from Paddington haul rd towards waste rock dump.

The open eucalypt woodland is characterised by an upper story of Eucalypts (*E. griffithsii*, *E. lesouefii*, *E. salmonphloia*, *E. celastroides*, *E. salubris* var *glauca* and *E. transcontinentalis*). There was a sporadic middle story of acacia's, eremophila's and dodonea's and a lower story of chenopods. The distribution of the middle and lower

stories was related to the previous disturbance on the site, with the lower story chenopods favoring areas of disturbance with their ability to re-colonise. The soils of this site appear to be of a deep red clay-loam and may well be suited for use as a topsoil cover in future rehabilitation processes. A detailed study of the soil was not undertaken.

Clearing Impacts

The likely clearing impacts on this area (**Area 1**) would be negligible. There may be some salvageable specialty timbers on the site but not in sufficient quantities to be of economic value. Reasons for this include the size of the site. Current degraded condition of the site due to previous disturbance. There are no obvious drainage lines on or through the site. The location of the waste rock dump and haul rd surrounding the site will stop any likely increased runoff from leaving the site.

During the course of the flora study any opportunistic fauna sightings were also recorded. Other than the dung of kangaroos and rabbits no fauna was sighted. No significant fauna habitats or nestings were observed during the study period.

The following is a list of species found in the Area 1 Open Eucalypt Woodland vegetation unit

Family	Genus	Species	Var
Amaranthaceae	Ptilotus	aeroides	
	Ptilotus	obovatus	
Asclepiadaceae	Marsdenia	australis	
Astreaceae	Olearia	mulleri	
	Cratystylis	conocephala	
Caesalpiniaceae	Senna	artemisioides	nemophila
Casuarinaceae	Casuarina	pauper	
Chenopiaceae	Atriplex	bunburyana	
	Atriplex	nummularia	

	Atriplex	vesicaria	
	Dissocarpus	paradoxus	
	Erichiton	scerolaenoides	
	Halosarcia	sp	
	Maireana	georgeii	
	Maireana	glomerifolia	
	Maireana	sedifolia	
	Maireana	tomentosa	
	Maireana	triptera	
	Rhagodia	drummondii	
	Sclerolaena	diacantha	
	Sclerolaena	obliquicupis	
	Sclerolaena	patenticuspis	
Frankeniaceae	Frankenia	sp	
Goodeniaceae	Scaevola	spinescens	
Mimosaceae	Acacia	acuminata	
	Acacia	tetragonophylla	
Myoporaceae	Eremophila	glabra	
	Eremophila	scorparia	
	Eremophila	oldfieldii	
	Eremophila	latrobei	
	Eremophila	parvifolia	
Myrtaceae	Eucalyptus	celastroides	
	Eucalyptus	griffithsii	
	Eucalyptus	lesouefii	
	Eucalyptus	salmonphloia	
	Eucalyptus	salubris	glauca
	Eucalyptus	transcontinentalis	

MINESITE REHABILITATION SERVICES PTY LTD. PO Box 4564 KALGOORLIE, WA 6433 TEL No (08) 90911511

Sapindaceae	Dodonea	lobulata	
	Dodonea	viscosa	
Santalaceae	Exocarpus	aphyllus	
Solanaceae	Lycium	australe	
	Solanum	orbiculatum	

Area 2

Rocky Slope



A typical view of vegetation on the "Rocky Slope" looking from top towards waste rock dump

The sloping terrain of this site has a surface that is gravel and rocks strewn with some isolated pockets of shallow topsoil. These isolated pockets support a middle storey of eremophila's, dodonea's, and acaia's. A lower storey of chenopods (*Atriplex*, *Maireana*, *Sclerolaena*) with *Ptilotus obovatus* inhabiting the remainder of the site where the soil is shallow. There is evidence that a number of small annual's (*Asteraceae*, *Poaceae*) are present on the site but these were unable to be identified due to the dry season. On the

northern boundary there is a small upper story component of Eucalyptus (E.campaspe, E.salubris var glauca) this is restricted to a few individual tree's.

The north-eastern corner of the site includes a small area <0.5ha that contains previous rehabilitation. Species within this area include Eucalyptus, Atriplex, Dodonea, Senna, Ptilotus and Maireana.

Clearing Impacts

The likely clearing impacts on this area would be negligible. Reasons for this include the size of the site. Current degraded condition due to previous disturbance. The slope of the site towards the base of the existing waste rock dump collecting any increased runoff.

During the course of the flora study any opportunistic fauna sightings were also recorded. Other than the dung of kangaroos and the observance of one kangaroo sheltering in low shade no other fauna was recorded. No significant fauna habitats or nestings were observed during the study period.

The following is a list of species found in the Area 2 Rocky Slope vegetation unit

Family	Genus	Species	Var
Amaranthaceae	Ptilotus	obovatus	
Asclepiadaceae	Marsdenia	australis	
Astaceae	Olearia	muelleri	
Caesalpiniaceae	Senna	artemisioides	nemophila
Chenopiaceae	Atriplex	acutibractea	
	Atriplex	bunburyana	
	Atriplex	nummularia	
	Atriplex	vesicaria	
	Chenopodium	gaudichaudianum	
	Dissocarpus	paradoxus	

	Maireana	georgeii	
	Maireana	sedifolia	
	Maireana	tomentosa	
	Maireana	triptera	
	Rhagodia	drummondii	
	Sclerolaena	diacantha	
	Sclerolaena	obliquicupis	
	Sclerolaena	patenticuspis	
Goodeniaceae	Scaevola	spinescens	
Mimosaceae	Acacia	acuminata	
	Acacia	erinacea	
	Acacia	tetragonophylla	
Myoporaceae	Eremophila	glabra	
	Eremophila	scorparia	
	Eremophila	oldfieldii	
	Eremophila	latrobei	
Myrtaceae	Eucalyptus	campaspe	
	Eucalyptus	salubris	glauca
	Eucalyptus	salmonphloia	
Poaceae	Stipa	scabra	
Sapindaceae	Dodonea	lobulata	
Santalaceae	Exocarpus	aphyllus	
Solanaceae	Lycium	australe	
	Solanum	orbiculatum	
Zygophyllaceae	Zygophyllum	aurantiacum	

**PADDINGTON GOLD MINE**

PADDINGTON GOLD PTY. LIMITED

ABN 98 008 585 886

P.O. Box 1161, Kalgoorlie WA 6430

Telephone: (08) 9080 6800 Facsimile: (08) 9080 6893

**REMITTANCE
ADVICE**

CHEQUE No: 602718

VENDOR: DEPARTMENT OF ENVIRONMENT

DATE: 20/12/04

VOUCHER NUMBER	INVOICE NUMBER	INVOICE DATE	GROSS AMOUNT	DISCOUNT AMOUNT	PAYMENT AMOUNT
	CLEARING PERMIT RED HILL	20/12/04			\$200.00

A Member of the **GOLDFIELDS** group
PLEASE DETACH BEFORE BANKINGAustralia and New Zealand Banking Group Limited
324 QUEEN STREET, BRISBANE, QLD.**PADDINGTON GOLD MINE**

PADDINGTON GOLD PTY. LIMITED

ABN 98 008 585 886

A member of the GOLDFIELDS group

PAY DEPARTMENT OF ENVIRONMENT

DATE 20/12/04

THE SUM OF TWO HUNDRED DOLLARS ONLY

DEPARTMENT OF ENVIRONMENT
PO BOX 6740
EAST PERTH WA 6892NOT
NEGOTIABLE
ACCOUNT
PAYEE ONLY

\$

200.00

For Goldfields Limited
A.B.N. 60 008 560 978

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