

Appendix B  
Permit to Clear and Vegetation Clearance Plan

**Appendix B Permit to Clear and Vegetation Clearance Plan**

**B.1 Permit to Clear**

**B.2 Vegetation Clearance Plan**

Appendix B.1  
Permit to Clear



**McArthur River Mining Pty Ltd**  
**Standard Operating Procedure 0007**  
**PERMIT TO CLEAR**

**1. SCOPE**

This procedure details the method that shall be used by any employee preparing to undertake land clearance works on the mineral leases at McArthur River Mine.

Land clearance may be supervised by MRM employees and undertaken by MRM employees and contractors as part of operations on the Mineral Leases 1121 – 1125.

This procedure does not document how to go about the actual clearance operations, but rather the approval process for the clearance operation.

**2. DEFINITIONS**

Land clearance is defined as any removal of native vegetation or disturbance of natural ground.

Permit to Clear form is the standard form associated with SOP 7 Permit to Clear

**3. AUTHORITY**

The applicant shall be responsible for organising the land clearance activity as detailed in the Permit to Clear form as well as carrying out rehabilitation works as required by Environment Section.

Environment Superintendent shall maintain original records of each Permit to Clear application and will be responsible for the prescription of rehabilitation works to the affected area.

Environmental section shall be responsible for quarterly mapping the area of land disturbance.

**4. HAZARDS AND CONTROL MEASURES**

McArthur River Mining safety and environmental policies must be observed at all times.

**5. MATERIALS AND EQUIPMENT**

- Completed Permit to Clear Form
- Equipment as required to complete clearance activities.

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**PERMIT TO CLEAR**

**6. PROCEDURE**

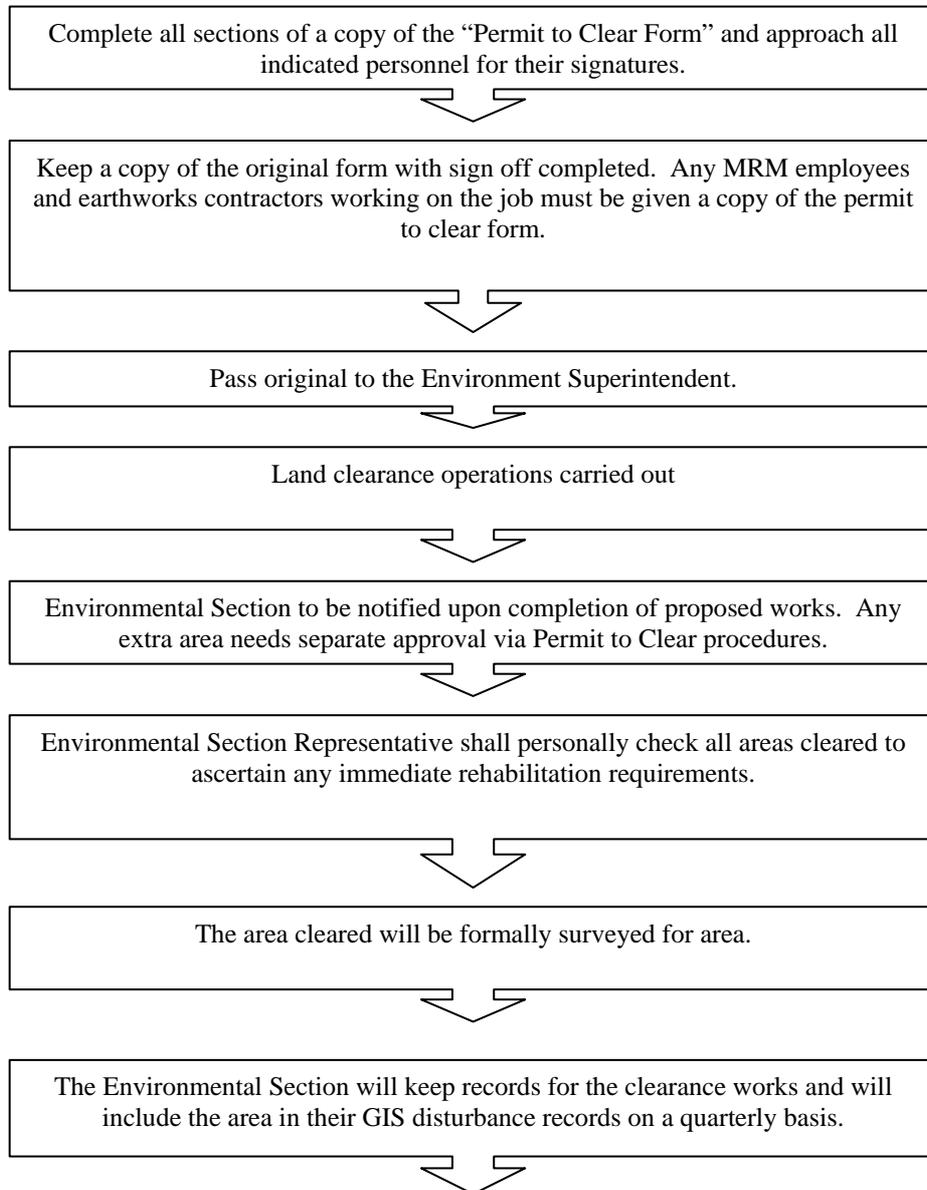
1. The Permit to clear form must be completed by the applicant, including the area to be cleared and the purpose for clearing.
2. The Permit to Clear form must be signed off by the Community Relations Representative who is to ascertain that there are no areas of cultural significance in the proposed clearance area.
3. The Permit to Clear form must be signed off by the Environmental Section Representative to ascertain that there are no areas of environmental significance, or monitoring equipment liable to be damaged.
4. The Permit to Clear form must be signed off by the Survey Section Representative who will ascertain that there are no control points or other survey markers that may be damaged by the clearing works.

**7. REFERENCES**

- McArthur River Lease Requirements MLN 1121 - 1125

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ATTACHMENT 1: FLOWCHART



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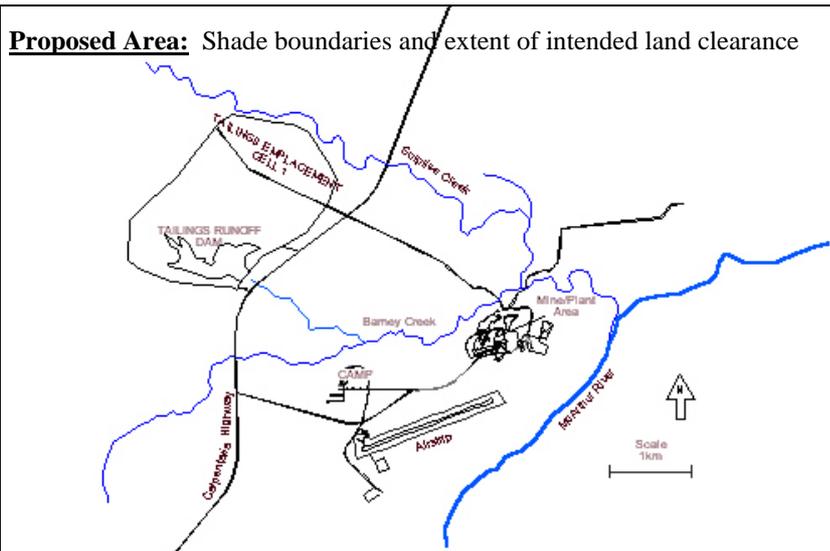


**McArthur River Mining Pty Ltd  
Standard Operating Procedure 0007  
PERMIT TO CLEAR**

**MRM\_SOP\_7: Application and Authorisation for Proposed Land Clearance at MRM**

**Instructions:**

1. Any employee intending to conduct land clearance on the McArthur River Mining Leases at McArthur River shall complete this form in accordance with MRM SOP 0007.
2. Ensure all signatures and checkboxes are completed.
3. Pass original of the completed form to the Environment Superintendent before the works are carried out.
4. Keep a copy of the completed form and pass on to earthworks contractors conducting the works.



**Proposed Area:** Describe area and purpose for land clearance

**Date of Proposed Clearance:**

<b>Applicant's Supervisor</b>	<b>Dept:</b>	<b>Name:</b>	<b>Time:</b>
	<b>Section:</b>	<b>Signature:</b>	<b>Date:</b>
<b>1. Community Relations Representative</b>	<b>Name:</b>	<b>Signature:</b>	<b>Time:</b> <b>Date:</b>
<b>2. Environmental Section Representative</b>	<b>Name:</b>	<b>Signature:</b>	<b>Time:</b> <b>Date:</b>
<b>3. Survey Department Representative</b>	<b>Name:</b>	<b>Signature:</b>	<b>Time:</b> <b>Date:</b>

As the applicant, I \_\_\_\_\_ have received the approval and signature of each of the parties above, and have informed the following parties of the area, extent, and period of the proposed land clearance:

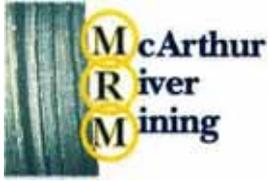
\_\_\_\_\_ Signature                      \_\_\_\_\_ Date                      \_\_\_\_\_ Time

To be completed by MRM Environment Section:

<b>Environmental Section Representative</b>	
<b>Date of Inspection</b>	
<b>Area Disturbed (ha)</b>	
<b>Immediate rehabilitation works required</b>	

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Appendix B.2  
Vegetation Clearance Plan



# McArthur River Mining Pty Ltd VEGETATION CLEARANCE PLAN MRM-ENV-SOP-

## 1.0 INTENT

This procedure provides details on the process involved in the removal of vegetation in preparation for open cut test pit operations at McArthur River Mine (MRM).

## 2.0 SCOPE

This Vegetation Clearance Plan is applicable to activities associated with the Test Pit Project. All personnel involved in activities associated with vegetation clearance for this project are required to adhere to this Plan. Figure One attached defines the areas applicable to this Vegetation Clearance Plan.

## 3.0 DEFINITIONS

Fire Break – Track which has been constructed to clear vegetation to prevent a controlled burn from progressing outside the designated burn area.

## 4.0 PROCEDURE

Prior to commencement of clearance works, the area, which has been authorised to be disturbed for the open cut test pit operations, is to be clearly delineated with pegs.

A firebreak will be constructed around the perimeter of the area of disturbance in preparation for a controlled burn of the vegetation within the test pit bund area. The controlled burn has been suggested by the Archaeologist who is providing Heritage Management Support Services during the initial stages of the test pit operations. Burning of the vegetation will increase visibility in the area to enable the Archaeologist to conduct a more thorough examination of the test pit area.

The appropriate approvals for burning will be obtained as per ENV SOP 003a Controlled Burn. This will also include notifying the relevant stakeholders. Burning will be confined to the area of disturbance stated in the “McArthur River Mining Test Pit Project – Response to OEH Information Request”.

The designated Archaeologist will conduct a survey of the area to determine any potential issues associated with Heritage Management. A survey will also be conducted by environmental staff to identify significant hollow-bearing habitat trees, which exist on the edge of the 20-30 meter boundary around the bund wall, which may be retained. Unnecessary damage to tree roots during excavation and construction of footings shall be avoided when constructing the bund.

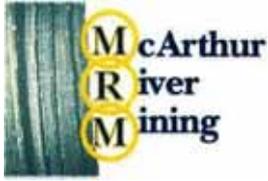
Prior to the commencement of clearing, areas will be inspected for hollow bearing habitat trees. These trees will be clearly marked. MRM Mining staff is to notify environmental personnel when they expect to clear these marked trees so that they may be checked for fauna prior to and after felling. Environmental personnel will appropriately treat and relocate fauna.

Clearing will be conducted in a manner, which allows for animals to move out of the area. It will be conducted approximately over at least a 7 – 10 day period. This will allow animals to disperse into the surrounding areas. The clearing will be undertaken progressively downhill.

Cleared vegetation will be pushed into the disturbed area to avoid disturbance to intact vegetation adjacent to the project area.

MRM Open Cut staff and MRM Environmental personnel will conduct regular inspections to ensure clearing is being conducted within the area specified on the permit to clear form.

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# McArthur River Mining Pty Ltd VEGETATION CLEARANCE PLAN MRM-ENV-SOP-

Cleared vegetation, which has potentially valuable habitat, will be stockpiled for later rehabilitation works. Remaining vegetation that cannot be stored or used will be pushed into windrows within the disturbed area and will be burnt.

Silt fences or sediment traps will be installed where required to minimise the sediment load and erosion that may impact on adjacent riverine habitat.

Equipment used for clearing purposes will be thoroughly inspected prior to operating in the area to ensure that it is not carrying any weeds or other contaminated materials from areas it has been previously working in.

## 5.0 RESPONSIBILITIES

All personnel involved in the process of vegetation removal for the open cut test pit operations are to adhere to this procedure.

### Environment Superintendent

When on site conduct daily inspections of the area being cleared.  
Assist in the treatment and relocation of fauna.  
Mark out potential hollow bearing habitat trees.  
Ensure supervisor of clearing activities is aware of the location of these habitat trees.

### Environment Officer

In the absence of the Environmental Superintendent conduct daily inspections of the area being cleared.  
Assist in the treatment and relocation of fauna.  
Identify potential hollow bearing habitat trees.  
Notify supervisor of clearing activities of the location of habitat trees identifies and marked.

### Clearing Supervisor

Advise Environment personnel when clearing of hollow bearing habitat trees is to occur to allow an inspection to be conducted prior to and post clearing.  
Contact Environment personnel if fauna requires relocation.  
Ensure clearing is conducted within the specified project area.  
Ensure vegetation outside the designated clearing area is not disturbed.

## 6.0 REFERENCES

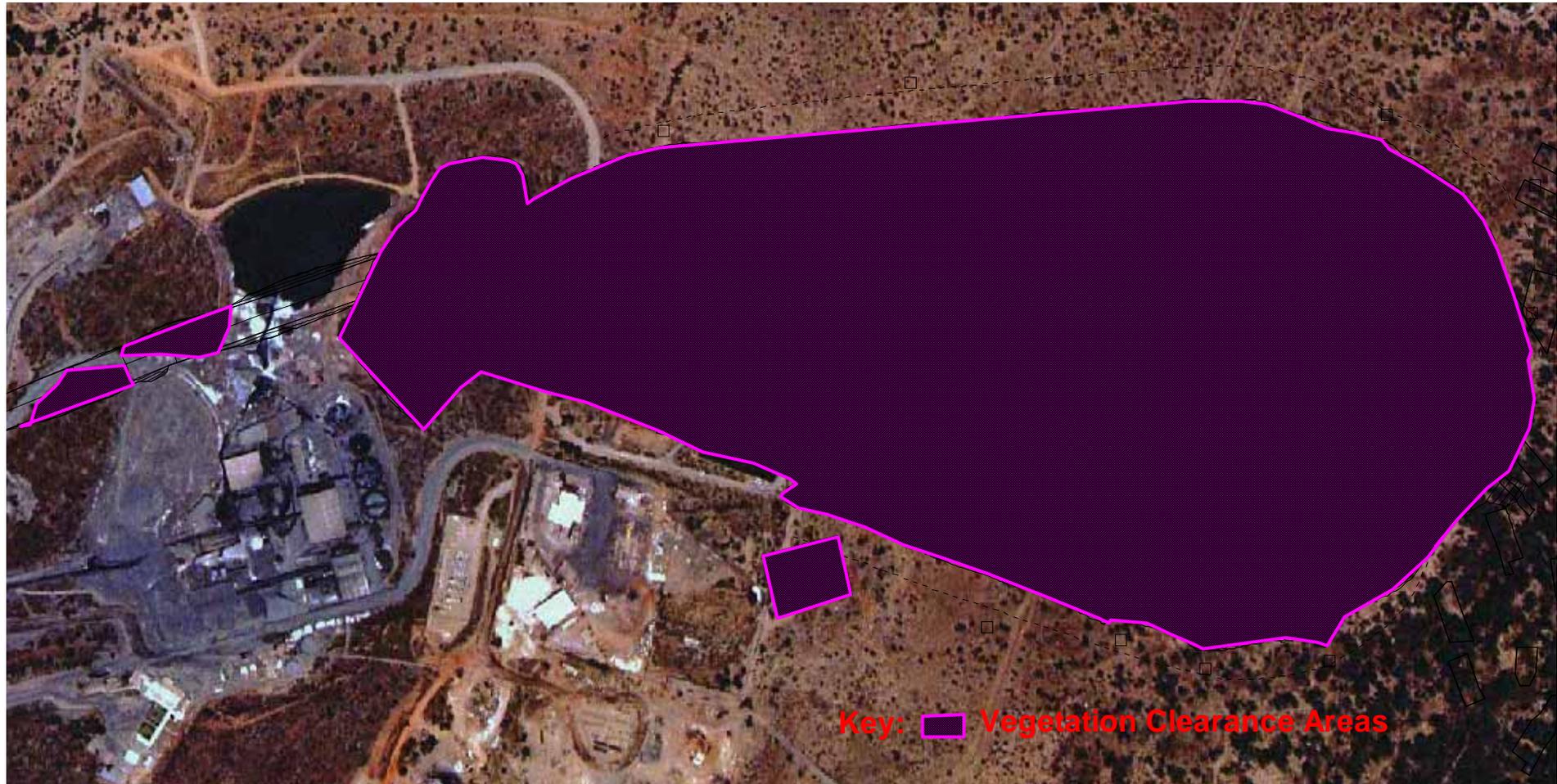
ENV\_SOP\_003a: Application and Authorisation for Proposed Control Burn at MRM  
MRM\_SOP\_7: Application and Authorisation for Proposed Land Clearance at MRM  
McArthur River Mining Test Pit Project – Response to OEH Information Request April 2005

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# McArthur River Mining Pty Ltd VEGETATION CLEARANCE PLAN MRM-ENV-SOP-

Figure One: Vegetation Clearance Areas



Key:  Vegetation Clearance Areas

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