



MINING PROPOSAL FOR SMALL MINING OPERATIONS

This is the pro forma for the submission of mining proposals under Part 2 of the Statutory *Guidelines for Mining Proposals*.

To be considered small mining operations for the purposes of these guidelines:

1. The activities **must not** be for the mining of uranium, mineral sands or rare earth elements; and
2. The activities **must** be limited to the following activities:
 - a. Scraping and detecting.
 - b. Dry blowing.
 - c. The following activities for a total footprint in the mining proposal of 10 hectares (ha) or less:
 - i. Mining excavations (pits, costeans, quarries, shafts, winzes, harvesting, dredging), leaching operations and tailing treatment operations.
 - ii. Any construction activities incidental or conducive to the activities including plant, tailings storage facilities and overburden dumps.



Mining Proposal for Small Mining Operations

1. COVER PAGE

Project Title:	Tenement(s):
Operator(s):	
Contact Name:	
Address:	
Phone:	Email:
Date:	

2. TENEMENT HOLDER AUTHORISATION

Are you the registered tenement holder?	Yes	No
If No, attach written authorisation from the tenement holder.		

3. SCOPE OF WORKS

3.1 Describe the activities proposed:			
3.2 Estimated commencement date:			
3.3 Estimated completion date:			
3.4 Mineral(s) to be mined:			
3.5 Maximum number of excavations and length, width and depth of excavations (in metres):			
3.6 Maximum tonnes of material mined and processed:			
3.7 Will ore be processed on-site or off-site?	On-site	Off-site	N/A
If off-site, where will processing occur?			

If on-site, please describe: <ul style="list-style-type: none"> the type of processing (e.g. dry or wet gold plant, CIP plant, heap or vat leach, crushing and screening¹); and maximum total throughput or processing volume (in tonnes) for the life of the operation: 	
3.8 Will you be utilising chemicals, explosives, cyanide or other dangerous goods? If yes, please describe: ²	
3.9 Description of other support facilities (e.g. camp).	

4. SITE LAYOUT PLAN

A site plan(s) is attached that includes: <ul style="list-style-type: none"> The location of the operation. All proposed and existing site activities. Tenement boundaries and labels. A north indication. A key or labelling of all infrastructure and activities. 	Yes
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5. EXISTING ENVIRONMENT

5.1 Identify the environment in which the operation is located: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Open Scrub</td> <td style="width: 50%;">Dense Scrub</td> </tr> <tr> <td>Low Scrub</td> <td>Tall Scrub</td> </tr> <tr> <td>Salt Bush/Blue Bush</td> <td>Spinifex Country</td> </tr> <tr> <td>Salt Lake/Marsh</td> <td>Sand Dunes</td> </tr> <tr> <td>Woodland</td> <td>Hilly Country</td> </tr> <tr> <td>Flat Country</td> <td>Creek-Lines</td> </tr> <tr> <td>Breakaway Country</td> <td></td> </tr> <tr> <td>Other (specify):</td> <td></td> </tr> </table>			Open Scrub	Dense Scrub	Low Scrub	Tall Scrub	Salt Bush/Blue Bush	Spinifex Country	Salt Lake/Marsh	Sand Dunes	Woodland	Hilly Country	Flat Country	Creek-Lines	Breakaway Country		Other (specify):	
Open Scrub	Dense Scrub																	
Low Scrub	Tall Scrub																	
Salt Bush/Blue Bush	Spinifex Country																	
Salt Lake/Marsh	Sand Dunes																	
Woodland	Hilly Country																	
Flat Country	Creek-Lines																	
Breakaway Country																		
Other (specify):																		
5.2 Any previous workings (historical mines, shafts, open stopes, tailings dams, dumps, old equipment etc.)?	Yes	No																
If yes above , describe the previous workings:																		

¹ The Department of Water and Environmental Regulation (DWER) regulates emissions and discharges to the environment through a works approval and licensing process, under Part V of the *Environmental Protection Act 1986*. You will be required to obtain relevant approvals for a processing plant from DWER if you meet the relevant threshold.

² If you will be using dangerous goods, you will need to comply with Dangerous Goods Safety and Storage legislation. Contact DMIRS Mine Safety for further information (www.dmp.wa.gov.au/Utilities/Safety-contacts-8366.aspx).

5.3 Will the activities occur in Reserved Lands?	Yes	No
If yes to 5.3 , identify the Reserve (e.g. Timber Reserve, Nature Reserve):		
If yes to 5.3 , have you received consent to mine within the Reserve?	Yes	No
5.4 Will the activities occur in a Public Drinking Water Source Area? ³	Yes	No
If yes to 5.4 , confirm that you have consulted with the Department of Water and Environmental Regulation and attach relevant information.	Yes	No
If yes to 5.4 , describe any specific management actions you will undertake to protect the Public Drinking Water Source Area		
5.5 Will the activities occur in an Environmentally Sensitive Area? ⁴	Yes	No
5.6 Have you identified any flora or fauna of conservation significance that will be impacted by the proposed activities? ⁵	Yes	No
If yes to 5.6 , describe the distribution, locations and/or habitat and attach any relevant surveys as appendices.		
If yes to 5.6 , how will the impacts to conservation significant flora or fauna be managed?		

³ Public Drinking Water Source Area as proclaimed under the *Metropolitan Water Supply, Sewerage and Drainage Act 1909* or the *Country Areas Water Supply Act 1947*

⁴ Environmentally Sensitive Area as declared by the Minister for Environment under section 51B of the *Environmental Protection Act 1986*. These can be identified through the Department of Water and Environmental Regulation's Clearing Permit System – Map.

⁵ A flora and fauna desktop enquiry/search of the project tenements can be undertaken on the Department of Biodiversity, Conservation and Attractions (DBCA) NatureMap website (link: <https://naturemap.dpaw.wa.gov.au/>). If the search identifies flora or fauna of conservation significance, then further work, including on-ground surveys, may be required. This should be discussed with the relevant DMIRS Environmental Officer.

6. AREA OF DISTURBANCE

List the maximum area of disturbance (ha)	Tenement(s)		
Activity/Disturbance Type (e.g. Dryblowing, Scraping/Detecting, Pit, Plant, Waste Dump, Camp, Road, etc.)			
TOTAL (ha)			

7. WASTE ROCK/TAILINGS/MINE WASTE MANAGEMENT

	Yes	No
7.1 Will any waste rock or tailings be generated as part of this proposal?		
7.2 Are you proposing to stockpile waste rock as a permanent landform?		
7.3 Will waste rock/overburden be backfilled into excavation/s?		
If no to all of the above please continue at Section 8.		
If yes to any of the above, provide the following information and include any supporting documentation as attachments.		
7.4 Provide a description of any problematic materials present in the waste rock, tailings and/or material to be leached (e.g. presence of potentially acid forming material, sodicity, salinity, dispersive potential).		
7.5 If a heap or vat leach is proposed, provide a description of the heap/vat leach facility (e.g. max. height, liner type, process chemicals used, output).		
7.6 Describe and provide a diagram of the dimensions and/or design of the waste rock landform(s), tailings storage facilities, heap leach, vat leach and/or any other landform(s) to be constructed, including maximum height, and attach any relevant design reports.		

8. DUST/NOISE

Is dust/noise likely to affect any sensitive receptors nearby (e.g. flora or fauna, places of residence, public road, towns/communities, etc.)?⁶

Yes

No

If **Yes to above**, detail dust/noise management measures:

9. WATER

9.1 Is water extraction required to support the mining operation?
If **No** continue at question 9.2.

Yes

No

If **yes to 9.1**, for what purpose is water extraction required (e.g. processing, dust suppression)?

If **yes to 9.1**, where will water be extracted from (e.g. surface dams, groundwater bores, artesian wells, watercourses, old shafts)?⁷

9.2 Is dewatering required?⁸

Yes

No

If **yes to 9.2**, describe the:
Volume to be extracted:

Water quality:

How the water will be managed (e.g. stored, discharged):

9.3 Does the proposed activity involve disturbing the beds and/or banks of a watercourse?

Yes

No

9.4 Describe the quality of the water (e.g. "fresh"/"brackish"/"saline"/"hypersaline") and quantity of water extracted (kilolitres/year):

9.5 Describe how the water will be stored and utilised on site. Provide the height and/or depth of any dams/turkeys nests:

⁶ The operation will be required to comply with the requirements of the Environmental Protection (Noise) Regulations 1997.

⁷ The construction of bores/wells and the extraction of groundwater or surface waters may require approval and licensing from the Department of Water and Environmental Regulation (DWER).

⁸ If dewatering is required, this may also require approval and licensing from the Department of Water and Environmental Regulation (DWER).

10. LAND USE AND STAKEHOLDER ENGAGEMENT⁹

10.1 Describe the underlying and/or pre-existing land uses of the area:		
10.2 If the activities are on a pastoral lease, confirm that the pastoralist has been notified.	Yes	
10.3 For stakeholders that will be affected by the proposed operation, list those stakeholders and any engagement undertaken to date including any issues raised.		
10.4 Confirm that you have completed an enquiry/search of the Department of Planning, Lands and Heritage (DPLH) Aboriginal Cultural Heritage Inquiry System for the area subject to this proposal.	Yes	
10.5 Does your proposal partly or wholly intersect the boundary of an Aboriginal Heritage site? Where the activities will impact an Aboriginal Heritage site, approvals are required under the <i>Aboriginal Heritage Act 1972</i> .	Yes	No

11. ENVIRONMENTAL MANAGEMENT COMMITMENTS

Please note, the following tenement conditions (where relevant) will be imposed under the *Mining Act 1978* if this mining proposal is approved. If you have any objections to any of these, please detail in section 11.1.

- Topsoil and vegetation to be removed ahead of mining operations and appropriately stockpiled for later respreading or immediately respread as rehabilitation progresses.
- All reasonable and practicable measures will be taken to prevent the spread of dieback and weeds.
- Lined storage dams will be fitted with appropriate fauna egress points to ensure that any fauna does not become entrapped.
- All rubbish and waste will be appropriately managed and disposed.
- All reasonable measures will be taken to ensure all hydrocarbons, environmentally hazardous chemicals, process water and other environmentally hazardous substances or waste are stored and managed in a manner to prevent discharges to the environment.
- All hydrocarbon spills or chemical spills will be contained and cleaned up within a timely manner.
- Clearing of large, mature trees will be avoided, where practicable.
- All activities to be undertaken so as to avoid or minimise damage, disturbance or contamination of waterways, including their beds and banks, and riparian and other water dependent vegetation.
- The development and operation of the project being carried out in such a manner so as to create the minimum practicable disturbance to the existing native vegetation and natural landform.
- The lessee taking all reasonable and practicable measures to prevent or minimise the generation of dust from mining operations.

For scrape and detecting and dry blowing operations:

- Scrape and detecting and dry blowing operations are to be progressively rehabilitated so that no more than two hectares will be open (meaning disturbed without rehabilitation works being completed) at any one time.

For tailings storage, heap leach and/or vat leach facilities:

- The lessee directing stormwater runoff away from areas adjacent to tailings storage, vat leach or heap leach facilities to minimise the potential for pollution or contamination of stormwater, or erosion of the facility.
- All vat leach or heap leach facilities being constructed with an appropriate liner to prevent the pollution or contamination of the natural ground, surface water or underground waters.
- All reasonable measures will be taken to construct tailings storage, vat leach or heap leach facilities in a manner to prevent discharges from the facility to the environment.

For river sand mining:

- No materials shall be extracted from below the bed load zone of the river.

⁹ Please note that under section 20 (5) of the *Mining Act 1978* you must obtain written consent from the occupier of any Crown Land (e.g. pastoral lease holder) for any activities within 100 metres of a yard, garden, cultivated field, orchard, vineyard, plantation, airstrip, burial ground, land under crop, house, substantial occupied building; or within 400 metres of a water works, race, dam, bore.

11.1 Describe any modified or additional management commitments and/or methods of minimising disturbance that you will be implementing; or any objections you have to the above conditions:



MINE CLOSURE PLAN FOR SMALL MINING OPERATIONS

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Mine Closure Plan for Small Mining Operations

1. COVER PAGE		
If this mine closure plan is submitted as part of a mining proposal, confirm whether the below details are as per Section 1 of the mining proposal. If there are any differences please complete the below.		Yes
Project Title:	Tenement(s):	
Operator(s):		
Contact Name:		
Address:		
Phone:	Email:	
Date:		

2. PROJECT SUMMARY		
If this mine closure plan is submitted as part of a mining proposal, confirm whether section 2.1 and 2.2 are the same as Section 3 and 4 of the mining proposal and proceed to question 3 below. If there are any differences or this is a reviewed mine closure plan complete 2.1 and 2.2 below.		Yes
2.1 Describe the operation including major mine activities, land disturbances, tenements and other land tenure.		
2.2 A site plan(s) is attached that includes: <ul style="list-style-type: none">• The location of the operation.• All proposed and existing site activities.• Tenement boundaries and labels.• A north indication.• A key or labelling of all infrastructure and activities.		Yes



3. POST-MINING LAND USE AND STAKEHOLDER ENGAGEMENT

If this mine closure plan is submitted as part of a mining proposal, confirm whether the below details are the same as Section 10 of the mining proposal and proceed to question 3.3.

Yes

If there any differences or this is a reviewed mine closure plan, complete 3.1 and 3.2 below.

3.1 What are the underlying and/or pre-existing land uses of the area?

3.2 List those stakeholders affected by rehabilitation and mine closure and any consultation undertaken to date.

3.3 Is the underlying/pre-existing land use expected to change after the completion of mining?

Yes

No

3.4 If **yes at 3.3**, describe the changed end land use. Note: if the underlying/pre-existing land use is expected to change after completion of mining then consultation is expected to be conducted with the relevant stakeholders.

3.5 Has engagement been undertaken with stakeholders affected by a change in land use?

Yes

No

3.6 Describe the strategy for ongoing stakeholder engagement:



4. CLOSURE OUTCOMES, COMMITMENTS AND IMPLEMENTATION

4.1 Describe the rehabilitation commitments for any landform(s) (e.g. waste rock landform, tailings storage facility, heap leach):

4.2 Please note, the tenement conditions will be imposed under the *Mining Act 1978* if this mine closure plan is approved. If you have any objections to these, please detail in section 4.3.

- All mining related landforms and disturbances must be rehabilitated, in a progressive manner where practicable, to ensure they are safe, stable, non-polluting, integrated with the surrounding landscape and support self-sustaining, functional ecosystems or alternative agreed outcome to the satisfaction of the Executive Director, Resource and Environmental Compliance, Department of Mines, Industry Regulation and Safety.
- All excavations will be backfilled and/or closed to ensure they are stable and safe, to the satisfaction of the Executive Director, Resource and Environmental Compliance Division, DMIRS.
- Placement of waste material must be such that the final footprint after rehabilitation will not be impacted upon by pit wall subsidence or be within the zone of pit instability to the satisfaction of the Executive Director, Resource and Environmental Compliance, Department of Mines, Industry Regulation and Safety.
- All waste materials, rubbish, plastic sample bags, abandoned equipment and temporary buildings to be removed from the mining prior to or at the termination of the operation.
- Any watercourses that are disturbed by mining operations will be restored, as far as practicable, to the pre-disturbance conditions.
- Any shafts will be covered, fenced or otherwise made safe to the satisfaction of the Executive Director, Resource and Environmental Compliance Division, DMIRS.
- All chemicals and hydrocarbons will be removed from site prior to or at the termination of the operation.

For heap leach and/or vat leach facilities:

- Upon discontinuation of use of heap leach or vat leach facilities, the lessee to appropriately flush each facility to ensure the absence of free cyanide within the facility.

4.3 Describe any modified or additional rehabilitation and closure commitments; or any objections you have to the above conditions:



4. CLOSURE OUTCOMES, COMMITMENTS AND IMPLEMENTATION

4.4 Confirm that you will keep records, documents or other evidence to demonstrate that the above commitments have been met.

Yes

4.5 Confirm that you will provide evidence to DMIRS to demonstrate the completion of these commitments at the end of operations.

Yes

5. CLOSURE MONITORING AND MANAGEMENT

5.1 Describe the rehabilitation monitoring that will be undertaken to demonstrate you have met the closure commitments in section 4:¹

5.2 How often will this monitoring be conducted (e.g. annually)?

¹ Monitoring is required to demonstrate the advancement towards, and achievement of, the closure outcomes and commitments for the site through the implementation of rehabilitation activities and closure commitments. An appropriate monitoring program would also include records of mining areas before disturbance, or appropriate analogue sites, that may be used as reference points in monitoring the progress of rehabilitated areas towards achieving closure outcomes. It is expected that the Annual Environmental Report will include an update on the progress towards meeting those outcomes and that the monitoring results provided will serve to demonstrate these outcomes.