



**MINISTRY OF ENERGY AND ENERGY INDUSTRIES
MINERALS DIVISION
REHABILITATION PLAN TEMPLATE**

Please write legibly in black or blue ink. Your responses are not limited to the spaces available. Supplemental pages are to be inserted where required. Please be advised that incomplete / inadequate submissions shall not be accepted and the Applicant will be required to resubmit a properly completed template.

1. GENERAL INFORMATION

| | | |
|---|--|--|
| Information on Applicant | | |
| NAME: | TELEPHONE: | |
| ADDRESS: | EMAIL ADDRESS: | |
| | FACSIMILE: | |
| Contact (Person duly authorized by Applicant, <u>leave blank if same as above</u>) | | |
| NAME: | EMAIL ADDRESS: | |
| PHONE: | FACSIMILE: | |
| SITE LOCATION: | Acreage of Land: (Acres / Hectares) | Land Ownership: <input type="checkbox"/> Private <input type="checkbox"/> State |
| Certificate of Environmental Clearance Reference Number: | Water Abstraction Licence Number: | LAND USE: <input type="checkbox"/> Exploration <input type="checkbox"/> Mining <input type="checkbox"/> Processing |
| Town and Country Planning Approval Number: | Survey Plan Number: | |

2. Restoration Description

State any after-use for the site as designated by Town and Country Planning Division:

State the type of after use to be implemented:

Select the type of restoration to be used

- Progressive Restoration
- Restoration after the entire site has been exhausted
- Other (please specify) _____

Acreage to be unaffected (Ac/Ha): _____

Acreage to be re-vegetated (Ac/Ha): _____

Acreage for permanent structures (Ac/Ha): _____

Acreage to be used for water features (Ac/Ha): _____

Acreage to be used for 'other purposes' (Ac/Ha): _____

Total (Ac/Ha): _____

Please describe the 'other purposes':

State the measures that will be implemented to prevent rock fall:

Methods to be used for the restoration of targeted areas:

Timeframe for completion of the rehabilitation:

3. OVERBURDEN AND TOPSOIL

Would the topsoil and the overburden be stored separately and then brought to the site?

Identify the storage location of the overburden

Identify the storage location of the topsoil (if different from above)

How long was the topsoil stored?

How long was the overburden stored?

Describe the measures to be implemented to stabilize the topsoil stockpile(s)

Describe the measures to be implemented to stabilize the overburden stockpile(s)

Describe the measures to be implemented to control the growth of noxious weeds on the topsoil and overburden stockpiles

State the:

- Type of overburden to be utilized (sand, clay, etc.):
- Average depth of topsoil required (from the surface to maximum rooting of plants) (m/ft):
- Average thickness of the overburden required (ft / m):
- Average thickness of soil profile / topsoil required (ft / m):
- Volume of overburden to be replaced (cubic yards / cubic metres):
- Volume of topsoil to be replaced (cubic yards / cubic metres):
- Volume of overburden to sourced externally (cubic yards / cubic metres):
- Volume of topsoil to be sourced externally (cubic yards / cubic metres):

| Slope Stability | |
|--|--|
| For any berms to be constructed give the- Maximum height (ft / m): | For any benches to be constructed give the- Maximum height (ft / m): |
| Maximum width (ft / m): | Maximum width (ft / m): |
| Minimum width (ft / m): | Minimum width (ft / m): |
| Maximum gradient / slope: | Maximum gradient / slope: |

4. DRAINAGE and Water Features

Describe the overall drainage characteristics of the site including any known field drainage system, main outfall, ditches, rivers, streams and other surface waters.

| For any permanent water features, complete the table below: | | |
|---|-------------|-------------------|
| <i>Quantity / number</i> | <i>Type</i> | <i>Dimensions</i> |
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5. RE-VEGETATION and other rehabilitation methods

List the vegetation and the area it covered before quarrying commenced.

| SPECIES | AREA COVERED | PURPOSE OF PLANT |
|---------|--------------|------------------|
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List the species of plants that would be used in the re-vegetation of the land

| SPECIES NAME | AREA TO BE COVERED | PURPOSE OF PLANT |
|--------------|--------------------|------------------|
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Describe the method of replanting of the vegetation

Describe the measures that will be implemented to control competing vegetation

6. INFRASTRUCTURE

State the number of:

- Current Buildings and Structures : _____
- New Buildings and Structures to be erected : _____
- Buildings and Structures to be removed : _____

| Building(s) / Structure(s) | Purpose of building(s) / structure(s) |
|----------------------------|---------------------------------------|
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What is the intended use of the building(s) / structure(s) after the rehabilitation is complete?

7. SOLID WASTE MANAGEMENT and Pollution Control

| Type of waste | Source of Waste | Method of Waste Treatment/ Disposal |
|---------------|-----------------|-------------------------------------|
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Describe how the soil that has been contaminated by human activity (i.e. fuel spills on soil, human traffic, etc.) would be returned to good condition after quarrying has been completed:

8. Details of Equipment to be Utilized (excavators, trucks, etc.)

| Quantity | Type of Equipment | Make and Model | Capacity | Power consumption | Power Source: (Generator, T&TEC, Diesel, etc.) |
|----------|-------------------|----------------|----------|-------------------|--|
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(Attach a brochure, where available)

9. Diagrams and Plans for the FINAL rehabilitated area

Please produce detailed scaled drawings of the following, where applicable:

1.1. Layout Plan (include the following):

- Site boundaries
- Groundwater recharge area(s)
- Location of water-abstraction wells
- Buildings and structures
- Hard ground surface area(s)
- Natural and man-made watercourses / drains
- Berms
- Benches
- Pits
- Roadways in the vicinity and on the site
- Storm-water drains
- Areas restored to agriculture, forestry or any other use.
- Any other feature(s) on the site

1.2. Topographic Map

Date

Authorized Signature

Name (block letters)