

Document Information Form

Mine Number: C/007/006

File Name: Incoming

To: DOGM

From:

Person N/A

Company STATE OF UTAH.

Date Sent: September 30, 1976

Explanation:

MINING AND RECLAMATION PLAN.

cc:

File in: C/007/006, Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

MINING APPLICATION
NO. _____

Date _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Plateau Mining Company
2. Proposed type of operation Underground Coal Mine
3. (a) Prior Land Use(s) Underground Coal Mine
 (b) Current Land Use(s) Underground Coal Mine
 (c) Possible or Prospective Future Land Use(s) _____
4. What vegetation exists on the land proposed to be affected _____
Sage, Pine, Scrub Oak, Juniper, and assorted grasses.
 (a) Types and Estimated Percent cover or density: 90%
5. What is the range pH of soil before mining? 7.5 pH
 Name of Person or Agency and method of determining pH _____
Plateau Mining Limits Test
6. Site elevation above sea level 8,500
7. In case of coal, oil shale, and bituminous sandstone:
 Principal seam(s) and thickness(es) Hiawatha-10', Wattis-8', Third Bed-6'
8. Estimated duration of mining operations 20 Years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
 Does the above material being moved have any other characteristics affecting revegetation? No
10. Will any Describe _____ encountered? () Yes (X) No
 Is there _____
 crossing _____
 the qual: _____
 abandoned deep mines on or
 (X) No If yes, describe
 Refer to Record No 0007 Date _____
 In C/ 007, 006, Incoming
 For additional information

MINING APPLICATION
NO. _____

Date _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Plateau Mining Company
2. Proposed type of operation Underground Coal Mine
3. (a) Prior Land Use(s) Underground Coal Mine
(b) Current Land Use(s) Underground Coal Mine
(c) Possible or Prospective Future Land Use(s) _____
4. What vegetation exists on the land proposed to be affected _____
Sage, Pine, Scrub Oak, Juniper, and assorted grasses.
(a) Types and Estimated Percent cover or density: 90%
5. What is the range pH of soil before mining? 7.5 pH
Name of Person or Agency and method of determining pH _____
Plateau Mining Limits Test
6. Site elevation above sea level 8,500
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) Hiawatha-10', Wattis-8', Third Bed-6'
8. Estimated duration of mining operations 20 Years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? No
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If yes, describe the quality of water being discharged. _____

11. Describe specifically a detailed procedure for:
- (a) The mining sequence
 - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - (c) The procedure for site preparation including removing trees and brush.
 - (d) The method for removing and stockpiling topsoil or disturbed materials.
 - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
 - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.
To be determined by our experience with the native materials.

Describe method for the testing of soil that is intended to support vegetation
Standard soil test

2. Describe any soil treatment employed as an aid to revegetation _____
None

3. Describe surface preparation of areas intended to support vegetation:
None

REVEGETATION

1. Revegetation to be completed by:
- | | |
|---|---|
| <input checked="" type="checkbox"/> Operator | <input checked="" type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input type="checkbox"/> Conventional or Rangeland Drilling |
| Name _____ | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Other (specify) _____ | |
2. Will Mulch be used? - No
Type _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule - See attachment.

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted

4. Will affected area be subject to livestock or wildlife grazing? Yes
 No Will vegetation protection be needed? _____
No, the livestock will be very limited in number.

5. Will irrigation be used? Yes No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. If needed, maintenance will include irrigation, livestock protection and erosion protection.

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining Plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed *[Signature]* Operator Date 9-10-76

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 10 day of September 1976.

Notary Public *[Signature]*

My Commission Expires: May 12, 1977

ATTACHMENT

3. Revegetation Plan

<u>Species</u>	<u>Rate/Acre</u>
Crested Wheat Grass	4 lb.
Utah Service Berry	1 lb.
Russian Wild Rye	1 lb.
Rabbit Brush	1 lb.
European Sage	10 Stems
Smooth Bone Grass	3 lb.
Orchard Grass	2 lb.
Yellow Sweet Clover	1 lb.
Indian Rice Grass	1 lb.

The areas to be replanted with the above species will be exposed, filled slopes of the roads and the slopes of the refuse piles as they are completed.

The replanting will be done in the season best suited to the species used.

Notice of Intention to Commence Mining Operations - Attachment

11. (a) Mining Sequence

The mining sequence is continuous underground mining. There will be no surface disturbance from the mining operation.

(b) Roads

All roads are now existing. No new road construction is planned. Road maintenance includes snow removal with necessary maintenance of the paved roads and the necessary maintenance of the M.E.S.A. required berms on the elevated roadways.

(c) (d) Site Preparation
(e) (f)

All sites necessary for the mining operation are now existing and no new sites are planned. There will be no further major disturbance.

During Operations

- (a) Soil from any new surface disturbances will be stockpiled and preserved to cover sites at the conclusion of operations.
- (b) Refuse piles will be constructed according to M.E.S.A. regulations to prevent any instability. Any pile that is abandoned before conclusion of operations will be covered with top soil and seeded with an acceptable seed mixture to prevent erosion.
- (c) Mining will be carried out in a safe, orderly and minerlike fashion.

Land Reclamation Following Operations

(a) Roads

All of the roads will be left open. The roads provide access to the Gentry mountains. After the end of mining operations the mine roads would still provide Carbon County with access to the existing T.V. translators and access to deer hunting areas.

Land Reclamation Following Operations - cont'd.

(b) Portal Sites

All portals would be sealed or secured against entry by unauthorized persons. The soil on the portal decks would be loosened to allow planting of vegetation. There would not be any top soil available to recover the decks. The decks were constructed as close as possible to the massive sandstone that underlies the coal beds so that they are not unstable nor subject to erosion.

All of the unuseable buildings on the portal sites would be removed and all extraneous debris would be removed.

(c) Buildings

All unuseable buildings would be removed. All extraneous debris would be removed and the building sites regraded and reseeded to the approximate original contour.

(d) Refuse Piles

All exposed surfaces of refuse piles will be covered with top soil and seeded with an acceptable seed mixture. Since the refuse piles will be constructed as per M.E.S.A. regulations there will be no stability problems and the top soil will prevent refuse fires. Any points that will be exposed to erosion by natural drainage will be protected by suitable means.

PLATEAU MINING COMPANY

Notice of Intention to
Commence Mining Operations

Attachment

Solid Waste Disposal Plan

1) During Operations

Solid waste is collected in a temporary holding area near the mine portals in an enclosed structure to prevent it from becoming scattered. When the holding area is full the waste is removed to a sanitary land fill.

2) After Operations

The solid waste land fills will be completed and reclaimed with the stockpiled top soil and if necessary, reseeded as per the revegetation plan.