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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Handwritten initials/signature

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Partial: ___ Complete: x Exploration: ___

Inspection Date & Time: Sept. 15, 1993 / 11:20 am - 1:30 pm

Date of Last Inspection: Aug. 25, 1993

Mine Name: Summit #1 County: Summit Permit Number: INA/043/001
Permittee and/or Operator's Name: Summit Minerals, Inc.
Business Address: 221 W. 2100 So. Salt Lake City, Utah 84115
Type of Mining Activity: Underground x Surface ___ Prep. Plant ___ Other ___
State Officials(s): Steve Johnson and Wayne Western
Company Official(s): none
Federal Official(s): none
Weather Conditions: sunny and mild
Existing Acreage: Permitted- 0 Disturbed- 16 Regraded- 0 Seeded- 0 Bonded- 16
Increased/Decreased: Permitted- ___ Disturbed- ___ Regraded- ___ Seeded- ___ Bonded- ___
Status: ___ Exploration/ ___ Active/ ___ Inactive/ ___ Temporary Cessation/ x Bond Forfeiture
Reclamation (___ Phase I/ ___ Phase II/ ___ Final Bond Release/ ___ Liability ___ Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- 1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

Table with 5 columns: Item, EVALUATED, N/A, COMMENTS, NOV/ENF. Rows include: 1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE; 2. SIGNS AND MARKERS; 3. TOPSOIL; 4. HYDROLOGIC BALANCE; 5. EXPLOSIVES; 6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES; 7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS; 8. NONCOAL WASTE; 9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES; 10. SLIDES AND OTHER DAMAGE; 11. CONTEMPORANEOUS RECLAMATION; 12. BACKFILLING AND GRADING; 13. REVEGETATION; 14. SUBSIDENCE CONTROL; 15. CESSATION OF OPERATIONS; 16. ROADS; 17. OTHER TRANSPORTATION FACILITIES; 18. SUPPORT FACILITIES/UTILITY INSTALLATIONS; 19. AVS CHECK (4th Quarter-April, May, June) (date); 20. AIR QUALITY PERMIT; 21. BONDING & INSURANCE.

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(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS

There are two on-site hazards that need to be addressed. The bridge that crosses Chalk Creek is no longer open to vehicle traffic. The embankment on both sides of the bridge have been eroded to the extent that vehicles can no longer drive onto the structure. Erosion has expose some of the bridge's footings. If erosion continues around the footings the bridge could topple or rotate into the creek, which could create a log jam and flood the surrounding area.

A sinkhole has opened up above the portals. The sinkhole was most likely caused by groundwater transporting soil into the portal and creating a void in the overlying soil. The void continued to increase in size until it became unstable and the overlying soil collapsed into the sinkhole. The sinkhole is located in a remote area and activities in the area appear to be light.

The sinkhole must be sealed. The surface water that flows over the portals must be diverted to prevent sinkhole formations.

5. EXPLOSIVES

There is an explosive magazine located in a hillside. The magazines footing, near the door, have been undercut by erosion. At this time the structure is not a hazard to the public or the environment.

9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

The embankments on the Chalk Creek bridge have eroded to the extent that vehicles can no longer have access to the structure. Some of the material around the bridges footings has eroded. If no action is taken the footings will be undercut and the bridge will topple or rotate into the stream. The bridge could then create a logjam and the surrounding property would be flooded.

The current reclamation plan is to remove the bridge this fall. Photographs and measurements of the bridge were taken and will be used to develop a bid package for the structures removal.

14. SUBSIDENCE CONTROL

A sinkhole has opened up above one of the portals. It appears that groundwater has transported soil above the portal. As the soil was eroded a void was created. Eventually the void grew to the point that the overlying soil became unstable and collapsed, creating the sinkhole. The sinkhole is over 20 feet, deep 10 feet in diameter at the top and 2 to 3 feet in diameter at the bottom.

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14. SUBSIDENCE CONTROL (cont'd)

The sides of the sinkhole are nearly verticle. If someone were to fall into the sinkhole they would have a difficult time climbing out.

Some rocks were dropped into the sinkhole. The rock continued to roll past the line-of-sight. I estimate the rocks continued to roll 10 feet once they were out of sight. A splash was heard indicating that there is standing water in the portal.

There is no indication that the area receives a lot of visitors. The sinkhole is a hazard and should be sealed off as soon as practical.

16. ROADS:

a. CONSTRUCTION/MAINTENANCE/SURFACING

The portions of the roads that are adjacent to the bridge have been eroded away. The bridge is now closed to all vehicle traffic. See section 9.

17 OTHER TRANSPORTATION FACILITIES

The bridges foundations are being undercut by erosion. While the bridge appears to be stable at this time future erosion could undercut the foundations to the point that the bridge would eventually topple or rotate into the river. See section 9.

Copy of this Report:

Mailed to: Bernie Freeman (OSM)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: *Wayne White*

_____ Date: *Sept 20, 1993*