



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGNorman H. Bangerter
GovernorDee C. Hansen
Executive DirectorDianne R. Nielson, Ph.D.
Division Director355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 27, 1988

TO: Susan C. Linner, Permit Supervisor

FROM: James Leatherwood, Reclamation Soils Specialist 

RE: Soil Fertility Analysis, Final Reclamation, North American Equities, Blazon #1 Mine, ACT/007/021, Folder #2 & #3, Carbon County, Utah

The final reclamation soil sampling and fertilization plan was discussed with Carl Houskeeper and with Rick White of Earthfax, October 18, 1988, for the Blazon #1 Mine. Sampling will consist of the topsoil materials and substitute topsoil materials. Analysis will be run to determine the fertilizer requirements.

Analysis will consist of: pH; water soluble potassium, calcium, magnesium, sodium; available phosphorus; rock fragments; texture, and electrical conductivity.

Fertilizer will be broadcast during the spring of 1989.

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cc: R. Harden
BT51/18

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INSPECTION REPORT

INSPECTION DATE & TIME: October 25, 1988
10:30 am to 2:00 pm

Permittee and/or Operators Name: North American Equities (NAE)(415)866-7186
Operator's Representative: %William Prince; Holme, Roberts & Owen(801)521-5800
Business Address: 50 S. Main Street, Salt Lake City, UT 84114
Mine Name: Blazon #1 Mine Permit Number: INA/007/021
Type of Mining Activity: Underground Surface Other
County: Carbon
Company Official (s): Rich White, Karl Housekeeper
State Official(s): Randy Harden, Rick Summers, Sue Linner
Partial: Complete: Date of Last Inspection: October 5, 1988
Weather Conditions: Clear, warm
Acreage: Permitted 320 Disturbed 1.5 Regraded Seeded Bonded 1.5
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	()	()	()	()
2. SIGNS AND MARKERS	()	()	()	()
3. TOPSOIL	(X)	()	()	(X)
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	()	()	()	()
b. DIVERSIONS	()	()	()	()
c. SEDIMENT PONDS AND IMPOUNDMENTS	()	()	()	()
d. OTHER SEDIMENT CONTROL MEASURES	()	()	()	()
e. SURFACE AND GROUNDWATER MONITORING	()	()	()	()
f. EFFLUENT LIMITATIONS	()	()	()	()
5. EXPLOSIVES	()	()	()	()
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	()	()	()	()
7. COAL PROCESSING WASTE	()	()	()	()
8. NONCOAL WASTE	()	()	()	()
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	()	()	()	()
10. SLIDES AND OTHER DAMAGE	()	()	()	()
11. CONTEMPORANEOUS RECLAMATION	()	()	()	()
12. BACKFILLING AND GRADING	(X)	()	()	(X)
13. REVEGETATION	()	()	()	()
14. SUBSIDENCE CONTROL	()	()	()	()
15. CESSATION OF OPERATIONS	()	()	()	()
16. ROADS				
a. CONSTRUCTION	()	()	()	()
b. DRAINAGE CONTROLS	()	()	()	()
c. SURFACING	()	()	()	()
d. MAINTENANCE	()	()	()	()
17. OTHER TRANSPORTATION FACILITIES	()	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	()	()	()	()

INSPECTION REPORT
(continuation sheet)

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PERMIT NUMBER: INA/007/021

DATE OF INSPECTION October 25, 1988

(Comments are Numbered to Correspond with Topics Listed Above)

3. TOPSOIL

In accordance with the approved plan, the operator is required to place two feet of cover over the coal waste placed along the portal bench. Insufficient topsoil material is available on the site to allow for coverage of the waste with topsoil material alone. The quality and the suitability of cover material to use as substitute topsoil indicated that additional sampling of the soil materials would be required. James Leatherwood and Rich White collected representative samples of the materials for analysis. These four samples will be submitted for analysis by the operator. Much of the cover material has been intermixed with coal and associated material due to rehandling of coal waste from the lower pad area to the portal area. Additionally, materials available for backfilling and grading consist primarily of materials cut at or along the coal seam during the development of the access road and the portal pad. The operator is considered to be in compliance with this section at this time since cover and topsoil has not been completed and a final determination of adequacy and completeness of the materials cannot yet be made. If the material is not found to be suitable for substitute topsoil, the operator will need to procure suitable material off site.

12. BACKFILLING AND GRADING

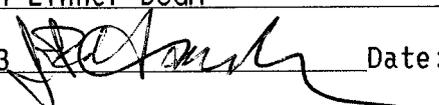
Much of the backfilling and grading of the portal pad area has been accomplished. The operator is required to cover the coal waste with a combination of two feet of cover material and topsoil. James Leatherwood conducted spot checks on the amount of cover placed over the coal waste. Some areas were deficient in reaching the two feet of cover required. These areas were noted to the operator. Primary concern regarding cover material is the amount of material that is available on the site to complete reclamation operations. Some cover material may have to be imported to the site in order to complete the backfilling and grading work at the site.

Completion of the backfilling and grading of the access roads to the water tank and substation area is pending seeding and mulching of the upper portion of that area. This work is expected to be completed by the end of the week.

Copy of this Report:

Mailed to: Mr. William Prince - Holme, Roberts & Owen, Brian Smith - (OSM)

Given to: Joe Helfrich, Susan Linner-DOG M

Inspectors Signature and Number: #13  Date: October 26, 1988