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State of Utah

INSPECTION REPORT

Handwritten initials/signature

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

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Salt Lake City, Utah 84180-1203
801-538-5340

Inspection Date & Time: October 22, 1992, 9:00 A.M.-12:15 P.M.

Partial: Complete: X Exploration:
Date of Last Inspection: September 18, 1992

Mine Name: Centennial County: Carbon Permit Number: ACT/007/019

Permittee and/or Operator's Name: Andalex Resources

Business Address: P. O. Box 902, Price, Utah 84501

Type of Mining Activity: Underground X Surface Prep. Plant Other

State Official(s): Paul Baker

Company Official(s): Mike Glasson

Federal Official(s): None

Weather Conditions: Partly Cloudy, 60's, light rain the previous day

Existing Acreage: Permitted-3368 Disturbed-34 Regraded-0 Seeded-0 Bonded-34

Increased/Decreased: Permitted-0 Disturbed-0 Regraded-0 Seeded-0 Bonded-0

Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - 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.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. FISH AND WILDLIFE PROTECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_____ (date)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/007/019

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DATE OF INSPECTION: October 22, 1992

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

Approval of the Pond C spillway amendment was given August 26, 1992. Andalex had planned to make the changes by October 25, including construction of a ramp to the spillway so that water could be sampled in case of a discharge, but Mr. Glasson told me that he had discussed with Division personnel the possibility of having machinery available to enable a person to access the pond outlet without having to use a ramp.

3. Topsoil

The substitute topsoil materials on the south sides of the Apex Mine loadout and the pad west of the Pinnacle Mine office are fairly well vegetated, but they are not protected by berms or straw bales. I did not see signs of soil being lost as a result, but this should be watched carefully in the future. Andalex may consider building a berm or installing straw bales above and/or below these stockpiles.

4. Hydrologic Balance

a. Diversions

The slopes of ditches UD-2, DD-5, and an unnumbered ditch on the north side of the road leading to the Upper Pinnacle Portals were measured. A Brunton compass was used to estimate the slopes in either typical or steep locations.

The slope of DD-5 is not shown in the plan, but the slope of DD-4 shown in the plan is 6.25%. This ditch is across the road from DD-5 and should have about the same slope. I measured a slope of 6% in DD-5.

The plan shows the slope of UD-2 varying from 6.75% to 18.5%, and it states that riprap would be installed on the mid-portion of this ditch. Field conditions appeared to vary from what is shown in the plan. Near where the ditch begins, we measured a slope of 12%. At this point, the ditch is lined with a brattice sheet. The ditch becomes less steep as it curves around a topsoil pile and continues along the main office parking lot. Then, it drops off at a slope that Mr. Glasson and I estimated at about 40% to the east side of the road and undisturbed drainage culvert C-12. Riprap is in place over this last steep portion of the ditch, but the sizing was not checked. The plan does not show the one very steep section, and the mid-portion of the ditch where the plan says that riprap would be installed would be near the office where the ditch is actually the least steep. These discrepancies are considered permit defects, and Division Order 92-B is being issued to correct the problem.

The plan does not show a design for the unnumbered ditch on the road to the Upper Pinnacle Portals. The lower portion of this ditch had a slope of 9%, and it does show some signs of erosion. The erosion does not appear to be creating any problems right now, but it could start to undercut the road.

Ditch UD-1 should be checked for erosion protection and slope at the next inspection.

A few of the culverts, including C-0 and CD-4, had some sediment starting to build up at the inlets and outlets and should be maintained.

e. Effluent Limitations

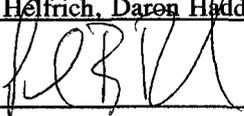
Water samples were taken of mine water discharge at the outlet of culvert C-15.

UPDES reports for the second quarter were checked against the laboratory reports, and no discrepancies or exceedances were found.

Copy of this Report:

Mailed to: Mike Glasson (Andalex), Bernie Freeman (OSM)

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature:  Paul B. Baker #41 Date: November 16, 1992