



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## INSPECTION REPORT

*SW by SW*

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

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Partial: \_\_\_\_\_ Complete: XXX Exploration: \_\_\_\_\_  
Inspection Date & Time: 9/28/00 / 8:15 am to 12:30 PM  
Date of Last Inspection: 8/25/2000

Mine Name: Centennial Project County: Carbon Permit Number: [REDACTED]  
Permittee and/or Operator's Name: Andalex Resources, Inc.  
Business Address: P.O. Box 902, Price, Utah 84501  
Type of Mining Activity: Underground XXX Surface \_\_\_\_\_ Prep. Plant \_\_\_\_\_ Other \_\_\_\_\_  
Company Official(s): Mike Glasson, Environmental Coordinator  
State Official(s): Peter Hess, Reclamation Specialist III Federal Official(s): None  
Weather Conditions: Sunny; Cool, 50's Fahrenheit  
Existing Acreage: Permitted 5179.49 Disturbed 35.27 Regraded \_\_\_\_\_ Seeded \_\_\_\_\_  
Status: Exploration \_\_\_\_\_ Active XXX Inactive \_\_\_\_\_ Temporary Cessation \_\_\_\_\_ Bond Forfeiture \_\_\_\_\_  
Reclamation (Phase I \_\_\_\_\_ Phase II \_\_\_\_\_ Final Bond Release \_\_\_\_\_ Liability \_\_\_\_\_ Year \_\_\_\_\_)

### REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

- 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.

	<u>EVALUATED</u>	<u>N/A</u>	<u>COMMENTS</u>	<u>NOV/ENF</u>
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL ISSUES	<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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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 (4 <sup>th</sup> Quarter- April, May, June)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

## INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/007/019

DATE OF INSPECTION: 9/28/00

( COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE )

### 1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

There are no permit amendments pending for the Centennial operation at this time.

### 4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The second quarter impoundment inspections for the site were completed by Mr. Glasson on June 28, 2000. There were no signs of instability of other hazardous conditions noted for ponds "B" and "C". Pond "E" was noted as being in need of cleaning.

Today's field inspection of pond "E" confirmed that sediment is up to the maximum level, which is surface elevation 6949.3'. Much of the surface of the buildup in this pond indicates that it is wet. Mr. Glasson has indicated for several quarters that monies have been budgeted (\$14,000) for the clean out of pond "E". Mr. Glasson also indicated that he had checked the material in the pond and he felt that, at the present time, the material was too wet to remove. Same will be disposed of at the Wildcat loadout waste rock disposal site (ACT/007/033). The permittee intends to wait for a drying spell or a hard freeze such that the material can be loaded and hauled as efficiently as possible.

Mr. Glasson is aware that a potential compliance situation exists relative to the sediment level in pond "E". Based on a review of discharge monitoring reports for pond "E" over the last twelve month period, pond "E" has not discharged.

The last annual impoundment certification for pond "E" was completed by Mr. Dan Guy, P.E. of Blackhawk Engineering on December 17, 1999. Comments relative to Mr. Guy's inspection indicate that pond "E" has "sufficient sediment storage capacity remaining to last until the spring of 2000".

Photographs of pond "E" have been taken for inclusion with this inspection report. Refer to Photos #1, #2, #3, and #4.

### 4D. HYDROLOGIC BALANCE: WATER MONITORING

The first quarter 2000 water monitoring report for the Centennial site was submitted to the UDNR/OGM on April 21, 2000. Of the sites monitored, only two had samples collected for analysis, due to negligible or no flow from same. Laboratory analysis sheets for ground water monitoring points S18-1 and Well #1 were reviewed, with no abnormalities in water chemistry being noted. The cation/anion balance for both samples was within the acceptable error range.

As observed this day (9/28/00), the second quarter water monitoring report for the site has not been submitted to the UDNR/OGM/SLO. Mr. Glasson indicated that the laboratory analysis sheets for sample points S18-1 and Well #1 have not, as yet, been received.

Field notes relative to the collection of data for the third quarter water monitoring report were reviewed. Mr. Glasson sampled site S18-1 on August 18, 2000 and Well #1 on August 23, 2000. Field measurements for flow, conductivity, temperature and the negative log of the hydrogen ion concentration were taken.

**INSPECTION REPORT**

(Continuation sheet)

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Discharge monitoring reports for the months of June and July were reviewed. None of the site's UPDES outfalls have discharged during this quarter. The completion and submittal of the August reports was due this day, of which Mr. Glasson was aware.

The June and July reports were submitted in a timely fashion.

**14. SUBSIDENCE CONTROL**

Mr. Bruce T.S. Ware, registered land surveyor, conducted the differential level survey required in the mining and reclamation plan for the Centennial permit area on September 18, 2000. Seventeen monitoring points were examined (three are control points). According to Mr. Ware's letter to the permittee, based on calculations made from the survey, there has been "no movement either horizontally or vertically since they (the monitoring points) were established. A visual survey conducted during the walk between of the surface monitoring points revealed no subsidence".

**21. BONDING AND INSURANCE**

A draft of information relative to revised bond calculations for the reclamation of the site was forwarded to Mr. Wayne Western, Reclamation Specialist III, of the UDNR/OGM on June 2, 2000 for a determination of adequacy. The revised reclamation cost estimate was determined to be \$948,082.72; the bond in place at this site amounts to \$1,080,000.00. Hence, the existing bond is adequate as confirmed by Mr. Wayne Western via telephone conversation on October 3, 2000.

Inspector's Signature: \_\_\_\_\_

  
Peter Hess #46

Date: October 4, 2000

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas & Mining.

sd  
attachment

cc: James Fulton, OSM  
Mike Glasson, Andalex  
Price Field office

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**INSPECTION REPORT**  
(Photograph Attachment)

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( PHOTOGRAPHS )



Photo #1: Pond "E", primary spillway in left corner



Photo #2: Pond "E", same as photo #1, note dampness of material

**INSPECTION REPORT**  
(Photograph Attachment)

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Photo #3: Pond "E", inlet ditch end



Photo #4: Pond "E", mid-section of pond