



*File*

*scd*  
*Opk*

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

INSPECTION REPORT

INSPECTION DATE & TIME: August 31, 1987  
10:30 a.m. to 12:30 p.m.

Permittee and/or Operators Name: Andalex Resources  
Business Address: P.O. Box 902 Price, Utah 84501  
Mine Name: Centennial Project Permit Number: ACT/007/019  
Type of Mining Activity: Underground  Surface  Other   
County: Carbon  
Company Official (s): none present  
State Official(s): Holland Shepherd  
Partial:  Complete:  Date of Last Inspection: July 16, 1987  
Weather Conditions: Sunny and clear  
Acreage: Permitted 2360 Disturbed 31 Regraded 0 Seeded 0 Bonded 31  
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	<u>YES</u>	<u>NO</u>	<u>N/A</u>	<u>COMMENTS</u>
1. PERMITS	( )	( )	( )	( )
2. SIGNS AND MARKERS	( X )	( )	( )	( X )
3. TOPSOIL	( X )	( )	( )	( X )
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	( )	( )	( )	( )
b. DIVERSIONS	( )	( )	( )	( )
c. SEDIMENT PONDS AND IMPOUNDMENTS	( X )	( )	( )	( X )
d. OTHER SEDIMENT CONTROL MEASURES	( X )	( )	( )	( X )
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	( )	( )	( )	( )
13. REVEGETATION	( )	( )	( )	( )
14. SUBSIDENCE CONTROL	( )	( )	( )	( )
15. CESSATION OF OPERATIONS	( )	( )	( )	( )
16. ROADS				
a. CONSTRUCTION	( )	( )	( )	( )
b. DRAINAGE CONTROLS	( X )	( )	( )	( X )
c. SURFACING	( )	( )	( )	( )
d. MAINTENANCE	( X )	( )	( )	( X )
17. OTHER TRANSPORTATION FACILITIES	( )	( )	( )	( )
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	( )	( )	( )	( )

INSPECTION REPORT  
(continuation sheet)

Page 2 of 3

PERMIT NUMBER: ACT/007/019

DATE OF INSPECTION August 31, 1987

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS:

- 1. The week before this inspection, the operator had indicated to me that the mine site was impacted by an event storm. The operator has sent me formal notification that on Aug. ~~the~~ 24th, the mine site was effected by an event storm. According to Mr. Mike Glasson of Andalex, 1.25 inches of rain fell in 3 hours time and another .5 inches of rain fell within the same 24 hours. The storm caused considerable damage in various locations around the site as described in the sections below.

Myself and Division hydrologists are currently working on the calculations to determine whether an event storm actually effected the site. If a determination is made that the storm was not a design storm, the operator will be issued violations addressing several of the items discussed below. The operator was advised of this on 9-4-87.

2. SIGNS AND MARKERS:

The operator has recently repainted perimeter markers around the site.

3. TOPSOIL:

The operator's eastern-most topsoil pile was impacted by recent heavy rains in the area (last week Monday and Tuesday). The berm on the north side breached in one spot. The berm was repaired prior to this inspection and immediately after the breach. No erosion gullies were evident on the topsoil stockpile; material loss was minor.

The new subsoil stockpile has been impacted by water collected in pond A. Pond A is no longer a designated sediment pond as of the latter part of spring 1987. Water has collected in the inactive pond bottom and topped over straw bales approximately 1 foot. No material was lost as a result of the ponding.

4c. SEDIMENT PONDS:

Sediment pond B was adversely affected by the storm. The embankment of the upper cell of the pond has been washed out in several places. Erosion gullies were evident on the down stream side of the embankment approximately 1 to 2 feet in depth. The drainage topped the embankment of the cell, flowing into a lower cell, causing the erosion.

Copy of this Report:

Mailed to: Mike Glasson(Andalex), Brian Smith(OSM)

Given to: Joe Helfrich

INSPECTION REPORT  
(continuation sheet)

Page 3 of 3

PERMIT NUMBER: ACT/007/019

DATE OF INSPECTION August 31, 1987

(Comments are Numbered to Correspond with Topics Listed Above)

4d. OTHER SEDIMENT AND EROSION CONTROLS:

A deep erosion gully has appeared on the tipple stockpile embankment. Drainage from the recent storm breached a 3 foot berm and created a 3 foot deep gully.

16. ROAD MAINTENANCE AND DRAINAGE CONTROL:

1. Roads and road drainage controls around the site have been impacted by last week's storm. Erosion gullies (some greater than 9 inches) are evident in various locations around the site. The operator needs to act to regrade and stabilize these. The drainage ditch on either side of the haul road has also been impacted adversely by the storms. Some of the concrete plugs installed last year have been undermined and bypassed. Gullying and sediment deposition has occurred in several places along the haul road ditch. The operator is currently working on the ditch in places where it has been most heavily impacted.

2. The operator has moved the cross culvert, on the Pinnacle Mine warehouse road, to a new location. It has been moved to approximately 100 feet north of its previous location. Mr. Michael Glasson had discussed this previously and agreed that moving the culvert would act to reduce past maintenance problems involving culvert plugging and vehicular abuse. The operator is amending the current permit to account for the culvert's new location.

Inspectors Signature and Number: Holland Shepherd #9 Date: Sept. 3, 1987