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UTAH NATURAL RESOURCES
Oil, Gas & Mining

3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • (801) 538-5340

inspection report

Permit No. PRO/007/033

Inspection Date 2/15-16/89

Permittee/Operator Name Andalex Resources, Inc.

Business Address P.O. Box 902

City Price State Ut Zip 84501

Mine Wildcat Loadout Facility ☐ Surface ☐ Underground ☒ Other

County Carbon State

Company Official(s) Mike Glasson, John Pappas, Joe Baker

State Official(s) Bill Malencik

Time of inspection 11:__ ☒ a.m. ☒ p.m. to 4:00 ☐ a.m. ☒ p.m. ☐ Partial ☒ Complete

Date of last inspection Jan 19, 1989 Weather conditions

Acreage — ☐ Permitted 60 ☐ Disturbed — ☐ Regraded 60 ☐ Seeded — ☐ Bonded

Enforcement Action None

✓ Routine Spring Maintenance Is Recommended Although Not Considered a Compliance Problem At This Time!

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. Permits	☒	☐	☐	☒
2. Signs and markers	☒	☐	☐	☐
3. Topsoil	☒	☐	☐	☐
4. Hydrologic balance				
— Stream channel diversions	☒	☐	☐	☒
— Diversions	☒	☐	☐	☒
— Sediment ponds and impoundments	☒	☐	☐	☒
— Other sediment control measures	☒	☐	☐	☒
— Surface and groundwater monitoring	☒	☐	☐	☒
— Effluent limitations	☒	☐	☐	☒
5. Explosives	☐	☐	☒	☐
6. Development waste and spoil disposal	☐	☐	☒	☐
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				
— Construction	☒	☐	☐	☒
— Drainage controls	☒	☐	☐	☐
— Surfacing	☒	☐	☐	☐
— Maintenance	☒	☐	☐	☐
17. Other transportation facilities	☐	☐	☒	☐
18. Support facilities and utility installations	☒	☐	☐	☐

WHITE—DOGM YELLOW—OSM PINK—PERMITTEE/OPERATOR GOLDENROD—NOV FILE

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Please number comments to correspond with topics on previous page.

Permit. Application filed by the operator on 11/21/85 for a SMCRA permit. Some minor changes are required to the MRP text and selected maps. John Whitehead has discussed the details of the changes with the operators representative, Mike Glasson. The changes are scheduled to be submitted next week.

Other details relating permits and/or current authorizations include

(1) BLM, ROW-U-48072, 30yr grant effective 1/12/82 together with $50,000 bond. All ROW stipulations have been met.
(2) Utah Railway 23 acre lease for operator to utilize certain Railway properties.
(3) Utah Health Dept approved waste water disposal system.
(4) Air quality permit issued 7/22/82
(5) Insurance policy with Ass Republic issued 7/1/87 good until cancelled.

The operator stated they are in the process of obtaining a reclamation bond. The final amount is tied into substitute topsoil material; however, it will be ± $800,000.

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Diversion: The undisturbed diversion, UD-2, that has historically drained the Beaver Creek shop area has been altered. No runoff from the shop area will now drain into UD-2. The alterations by Beaver Creek included, cutting a new ditch, relocating the directional berm and installing a culvert. Also UD 8 needs minor cleanout.

Disturbed drainage ditches in need of routine spring maintenance include the following:

- Cleanout: D4, 5, 6, 10 & part of 11; the aforementioned ditches lie west of the office, east of the railroad tracks, south of the substation and north of the coal silo.
- Erosion Protection: D1, D14, and D-18.

Sediment Ponds: Pond records were reviewed and are summarized as follows:

	Pond A	Pond B	Pond C	Pond D	Pond E	Pond F
Pond Certification	12/31/87 10/21/88	11/19/87 8/11/88 10/21/88	11/19/87 8/11/88 10/21/88	Same As B	12/31/87 10/21/88	12/31/87 8/11/88 10/21/88

Inspections

1st	C.Y. 88	← 1/10/88 →
2nd		← 4/29/88 →
3rd		← 7/15-18/88 →
4th		← 10/30/88 →
1st 89	C.Y.	← 1/16/89 →

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Sed Ponds Cont. The two inlets to sediment pond F where the belt line connects to the half round culvert is in need of routine maintenance. Adding another joint of half-round culvert may reduce the amount of routine maintenance.

Sediment pond E is scheduled, with the approval of the DOGM permit, to be enlarged. Currently pond E has a small amount of water that has been frozen.

It is suggested a small berm be placed on the west embankment near the inlet as a precautionary measure to insure that runoff between the top soil ditch and the embankment will be directed to Pond F.

{Water Monitoring}: Four stations were monitored during the last C.Y with results as follows:

STA	C.Y. 88	1st Q	2nd Q	3rd Q	4th Q
WCW1	No Flow		No Flow	Sampled 10/12/88	No Flow
WCW2	No Flow		No Flow	"	"
WCW3	No Flow		No Flow	"	"
WCW4	No Flow		No Flow	"	"

Lab analysis were received by the operator on Feb 16, 1989. The lab received the samples on 10/14/88.

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[UPDES] Ponds A-F did not discharge in CY 1988. Reports were provided to appropriate officials and dated 1/18/89, 10/3/88, 7/11/88, & 7/11/88.

[Other Sediment Control]: Straw bales below pond B need to be replaced. There are two rows of straw bales. The second row is a redundant control measure and are in good shape and do not require maintenance. The first row should be replaced since elk and deer have destroyed most of the 1st row of straw bales. The two rows are back to back. No evidence of any runoff going around any of the straw bales and leaving the permit area.

[Coal Processing Waste]. A bony pile was recently started in an area that has historically been used for such a purpose. Inspections have been performed on August 18, November 20 & Jan 18, 1988 & 89 respectively.

[Wildlife]: Numerous elk and deer utilize the loadout area in the winter. The browse plants show heavy utilization even though most of animals use the loadout site as a bedding area.

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Roads: Class I haul road certification was reviewed and dated Jan 11, 1988

Summary. The site is in good shape from an environmental standpoint, and withstood the winter without any major problems. While spring maintenance work of a routine nature is documented herein, still the soil/field conditions are too wet for immediate work. However as soon as the surface conditions are conducive where routine maintenance work can be performed in a satisfactory manner, the operator should initiate such work as a preventative measure.

Andalex Resources Inc. - Mike Glasson/John Pappas

Copy of report mailed to SLC For: OSM/Brain Smith; DOGM/Joe Helfrich

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Inspector's signature Tim J. Malinick No. 26

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2/17/89