PERMIT CHANGE TRACKING FORM

DATE RECEIVED		PERMIT NUMBER	ACT/007/033
Title of Proposal: MAGNESIUM CHLORIDE TANK		PERMIT CHANGE #	93B
Description: added to surface facilities map.		PERMITTEE	ANDALEX RESOURCES
		MINE NAME	WILDCAT LOADOUT

	DATE DUE	DATE DONE	RESULT	
☒ **15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION**			☐ ACCEPTED	☐ REJECTED
☐ Notice of Review Status of proposed permit change sent to the Permittee.			**Permit Change Classification**	
☐ Request additional review copies prior to Division/Other Agency review.			☐ Significant Permit Revision	
☐ Notice of Approval of Publication. (If change is a Significant Revision.)			☒ Permit Amendment	
☐ Notice of request to modify proposed permit change prior to approval.			☐ Incidental Boundary Change	

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	**DUE**	**DONE**	**DUE**	**DONE**	**DUE**	**DONE**
☐ Administrative ____						
☐ Biology ____						
☒ Engineering PGL		SENT 8/11/93				
☐ Geology ____						
☐ Soils ____						
☐ Hydrology ____						
☐ Bonding ____						
☐ AVS Check ____						
COORDINATED REVIEWS	**DUE**	**DONE**	**DUE**	**DONE**	**DUE**	**DONE**
☐ OSMRE						
☐ US Forest Service						
☐ Bureau of Land Management						
☐ US Fish and Wildlife Service						
☐ US National Parks Service						
☐ UT Environmental Quality						
☐ UT Water Resources						
☐ UT Water Rights						
☐ UT Wildlife Resources						
☐ UT State History						
☐ Other						

☐ Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)		☑ Permit Change Approval Form signed and approved effective as of this date. ☐ **Permit Change Denied.**	9/13/93
☐ Copies of permit change marked and ready for MRP.		☐ Notice of ☑ Approval ☐ Denial to Permittee.	
☐ Special Conditions/Stipulations written for approval.		☑ Copy of Approved Permit Change to File.	
☐ TA and CHIA modified as required.		☐ Copy of Approved Permit Change to Permittee.	
☐ Permit Change Approval Form ready for approval.		☑ Copies to Other Agencies and Price Field Office.	

Form DOGM - F (Last Revised 6/93)

File Folder # 3

PERMIT CHANGE CHRONOLOGY

Title of Proposal: MAGNESIUM CHLORIDE TANK	PERMIT NUMBER: ACT/007/033
Description:	PERMIT CHANGE #: 93B
	PERMITTEE: ANDALEX RESOURCES
	MINE NAME: WILDCAT LOADOUT

DATE		DOCUMENT ALL ACTIVITIES ASSOCIATED WITH THIS PERMIT CHANGE
	☐Sent ☒Recv'd.	Initial Application for Permit Change Received from Permittee
	☐Sent ☐Recv'd.	
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☐ ADDITIONAL SHEETS

Form DOGM - D1 (Last Revised 6/93)

File Folder #3

PERMIT AMENDMENT APPROVAL

Title: MAGNESIUM CHLORIDE TANK	PERMIT NUMBER: ACT/007/033
Description:	PERMIT CHANGE #: 93B
	MINE: WILDCAT LOADOUT
	PERMITTEE: ANDALEX

	WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL	YES, NO or N/A
1.	The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	
2.	The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	
	A. The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	
	B. The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	
3.	For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	
4.	The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	
5.	The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et.seq.).	
6.	The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	
7.	The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	
8.	The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	
9.	The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	
10.	The Applicant has satisfied the applicable requirements of R645-302.	
11.	The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	

	SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL	YES	NO
1.	Are there any variances associated with this permit amendment approval? If yes, attach.		
2.	Are there any special conditions associated with this permit amendment approval? If yes, attach.		
3.	Are there any stipulations associated with this permit amendment approval? If yes, attach.		

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed _____ _____

Director, Division of Oil, Gas and Mining **EFFECTIVE DATE**

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 22, 1993

Mr. Robert Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Re: Magnesium Chloride Tank, Andalex Resources, Inc., Wildcat Loadout Facility, ACT/007/033-93B, Folder #2, Carbon County, Utah

Dear Mr. Hagen:

Enclosed please find the updated text (pages 60, 75, and 76) and Plate 1 which was approved September 14, 1993.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure
cc/enc: Bill Malencik, PFO

opening for reclaim of run of mine storage area with a capacity of 150,000 tons.

2.11 Unit-Train Loading Track

115 lb. rail, total length = 10,133', 1 each turnout, 3 each cross overs, 1 each bumper, 2 each high stand throw switches, 3 each spring switches.

2.12 Office Building

30' x 40' containing office, small warehouse, and lab.

2.13 Scale House

14' x 60' trailer, 60' platform scales.

2.14 Shop Building

40' x 40' metal building, concrete foundation

2.15 Magnesium Chloride Storage Tank

8' x 20' metal tank, concrete stand

3. <u>Electrical</u>

3.1 Substation

2,500 KVA, 46,000 V to 4,160 V transformers, capacitors for power factor correction, designed to comply with appropriate MSHA and UP&L requirements

3.2 Yard Power

4,160 V distribution reduced to 480 V at crusher building, stacker, reclaim tunnel exit and loadout structure, transmission line = 2,600', 45' poles.

3.3 Electrical Control Rooms

3.3-1 Crusher Building

Call Mike Glussen 5/6 pg 59

Motor controls, switchgear, and associated electrical controls for crusher, screen, Conv "T" drive, reclaim vent fan, scale, magnet, metal detector, water pump, and area lighting

Wildcat Loadout Facility (Phase I)

Restoration to the pre-mining land use will require:

A.	Removal of Structures:		
	1.	14 x 60 Scale House Trailer and Truck Scales	$ 9,300
	2.	Substation	7,500
	3.	Truck Dump (west side)	6,000
	4.	Crushing Plant (west side)*	
	5.	Radial Stacker (west side)*	
	6.	Reclaim Tunnel (west side)	7,000
	7.	Loadout Conveyor (west side)*	
	8.	Control Building (west side)	1,000
	9.	Truck Dump & Reclaim	17,500
	10.	Conveyor T	2,000
	11.	Crusher and Screening Plant	9,500
	12.	Lump Coal Belt	8,400
	13.	Stoker Radial Stacker	8,400
	14.	Conveyor Y	15,000
	15.	Main Radial Stacker	17,000
	16.	Loadout Reclaim Tunnel, port supports,	117,000
	17.	Conveyor R	23,000
	18.	Loadout Tower	27,900
	19.	Miscellaneous (Guard Rails, Office, Water and Mag. Tanks, Motor Control Centers)	8,800
	20.	Powerline	2,700
	21.	40" x 40" Shop	14,000
		Total	$ 302,000
		* Portable	
B.	Cleanup Coal Piles:		$ 16,000
	1.	Radial Stacker	
	2.	Stoker, Lump	
	3.	Mine Run and Lump	
	4.	West Side Stoker	
	5.	West Side Getty	
C.	Recontouring and Regrading: (including covering of coal refuse storage pile)		$ 78,000
	1.	Culvert Removal	
	2.	Move 74,000 yds.^{3}	
D.	Compaction and Scarification:		$ 4,000
	1.	56.1 acres	
E.	Topsoil Redistribution:		$ 28,000
	1.	56.1 acres	
F.	Revegetation:		$ 66,000
	1.	66 acres	

G. Monitoring Costs:

Years 1, 2, 3, 5, 9, and 10

Water - 24 mandays (once per quarter)

Revegetation - 6 mandays (once per monitoring year; will take place in the fall of the year)

Erosion - 24 mandays (once per quarter)

54 mandays total @ $150.00/day =	$	8,100
Phase I Subtotal	$	502,100

Phase II:

A. Recontouring, Grading, Compaction, Topsoil Redistribution, Revegetation 1. Ponds A, C, D, and F	$	17,000

B. Monitoring Costs:

Years 9 and 10

Water - 8 mandays (once per quarter)

Revegetation - 2 mandays (once per monitoring year; will take place in the fall of the year)

Erosion - 8 mandays (once per quarter)

18 mandays total @ $150.00/day =		2,700
Phase II Subtotal	$	19,700
Total Projected Reclamation Costs	$	521,800
Contingency 10%		52,000
December, 1990	$	573,800

These costs are based on careful estimates of the time involved and the number of people required to perform each task. As can be seen from the above table, the cost of removing the structures is by far the highest cost of any of the reclamation steps and hence was detailed. The removal of each individual structure as outlined above is based on two things: 1) the cost involved in exposing the various structures so that they can be removed, and 2) the actual dismantling and

Revised 02/28/92

ANDALEX
RESOURCES, INC.
Tower Division

P.O. BOX 902
PRICE, UTAH 84501
PHONE (801) 637-5385
TELECOPIER (801) 637-8860

RECEIVED
SEP 22 1993
DIVISION OF
OIL, GAS & MINING

September 17, 1993

92B
033
ACT/007/~~005~~
#2

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Pamela Grubaugh-Littig
Permit Supervisor

Re: ACT 007/003, Magnesium Chloride Tank

Dear Ms. Pam Littig:

Pursuant to your request, enclosed are two (2) copies each of the pages in our Permit pertaining to the magnesium chloride tanks. These copies may be used for distribution to other agencies.

Thank you,

Michael W. Glasson

Michael W. Glasson
Senior Geologist

mwg/rr

Enclosure

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 13, 1993

Mr. Mike Glasson
Andalex Resources, Inc.
P.O. Box 902
Price, Utah 84501

Re: Approval of Storage Tank, Andalex Resources, Inc., Wildcat Loadout, ACT/007/033-93B, Folder #3, Carbon County, Utah

Dear Mr. Glasson:

The above-noted amendment is approved. Please submit two more finalized copies of the text and plates for transmittal to other agencies by September 28, 1993.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pgl

ANDALEX
RESOURCES, INC.
Tower Division

P.O. BOX 902
PRICE, UTAH 84501
PHONE (801) 637-5385
TELECOPIER (801) 637-8860

93B

August 6, 1993

RECEIVED
1 9 1993
DIVISION OF
OIL GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

File ACT/007/033
#2
Copy PAM

Attn: Pamela Grubaugh-Littig
Permit Supervisor

Re: ACT 007/003, Magnesium Chloride Tank

Dear ~~Ms.~~ Littig: #2

This letter is to advise the Division that Andalex has placed a tank (8000 gallon) on the west side of Wildcat for the purpose of storing magnesium chloride dust-suppressant which is used on the gravel roads within our permit area. This tank is placed above ground and no new surface disturbance is required within the bonded area. The location is depicted on the enclosed Plate 1.

Thank you,

Michael W. Glasson
Senior Geologist

mwg/rr

Enclosure