ANDALEX RESOURCES, INC.
WILDCAT LOADOUT
ACT 007/033
1994 ANNUAL REPORT

Mining sequence maps are not applicable to this facility.

A. General

1. There were no anomalies, missing data or monitoring changes made during 1994.

2. Not applicable.

B. Water Monitoring Data: Groundwater Summary

1. Mine Discharge

Not applicable.

2. Springs

Not applicable.

3. Surface Water

See attached table - there were no surface water samples taken during the year. Subsidence does not apply.

C. Summarized Water Monitoring Data

1. to 4. See attached table and 3.5" diskette. Water monitoring stations consist of four surface points - two located upstream from the facility and two downstream (see Plate 2 of the MPR).

D. Precipitation or Other Climatological Data

See attached tables and diskette.

E. Subsidence Monitoring Report

1. to 5. Not applicable.

F. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final)

1. to 4. No monitoring occurred during 1994 except visual observations made by UDOGM during inspections.

G. Annual Impoundment Certification

1. to 6. See attached sedimentation pond and impoundments certifications.

H. Annual Overburden, Spoil, Refuse, Roof, Floor and Mid-Seam Data

1. to 4. See attached qualitative analysis of coal sample and refuse sample taken in December, 1993. Location of sample is not applicable; they were grab samples which were leached into distilled water and then analyzed. Findings indicate no acid or toxic-forming materials exist in either sample.

I. Annual Report of Officers

See attached ownership and control information table.

J. Other Required Information

1. See attached sedimentation pond and impoundment inspections reports.

2. See attached 1993 air quality/emission inventory reports.

3. See attached approval for Wildcat Expansion.

Andalex Resources
Water Monitoring Reports
1994
Wildcat Loadout

Quarterly Monitoring
WCW 1 - WCW 4

January 1 to March 31, 1994
Water Monitoring - 1st Quarter 1994

WCW - 1	No Flow
WCW - 2	No Flow
WCW - 3	No Flow
WCW - 4	No Flow

April 1 to June 30, 1994
Water Monitoring - 2nd Quarter 1994

WCW - 1	No Flow
WCW - 2	No Flow
WCW - 3	No Flow
WCW - 4	No Flow

July 1 to September 30, 1994
Water Monitoring - 3rd Quarter 1994

WCW - 1	No Flow
WCW - 2	No Flow
WCW - 3	No Flow
WCW - 4	No Flow

October 1 to December 31, 1994
Water Monitoring - 4th Quarter 1994

WCW - 1	No Flow
WCW - 2	No Flow
WCW - 3	No Flow
WCW - 4	No Flow

UPDES UTG 040007

1994

001-006

NO DISCHARGE

WILDCAT

1994

RAINFALL

Date	Inches
03/17/94	0.33
04/11/94	0.90
04/14/94	0.77
04/25-27/94	0.60
04/28/94	0.62
04/29/94	0.25
05/29/94	0.10
06/19/94	0.06
08/01/94	0.22
08/08/94	0.90
08/12/94	0.03
09/02/94	0.50
09/20/94	0.48
09/29/94	0.63
10/03/94	0.45
10/04/94	0.33
10/18/94	1.27

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "A" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	2.368 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6142.79
(8) Sediment Cleanout Level (Elev.)	6144.50
(9) Principle Spillway (Elev.)	6149.00
(10) Emergency Spillway (Elev.)	6150.00
(11) Existing Sediment Capacity (To Cleanout)	0.090 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Thick Veg. in Bottom. No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154166
STATE OF UTAH

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "B" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	0.292 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6134.75
(8) Sediment Cleanout Level (Elev.)	6134.75
(9) Principle Spillway (Elev.)	6138.00
(10) Emergency Spillway (Elev.)	6139.00
(11) Existing Sediment Capacity (To Cleanout)	0.000 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Pond Dry. No Discharge. Pond scheduled for cleaning.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

(Signature)

11-10-94
(Date)

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "C" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	Minor Erosion on West End (inside pond)
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	4.281 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6129.70
(8) Sediment Cleanout Level (Elev.)	6131.50
(9) Principle Spillway (Elev.)	6137.00
(10) Emergency Spillway (Elev.)	6138.00
(11) Existing Sediment Capacity (To Cleanout)	0.157 Ac. Ft.

GENERAL

(12) Comments/Recommendations	No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "D" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Damp.
(5) Existing Storage Capacity	0.808 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6135.25
(8) Sediment Cleanout Level (Elev.)	6135.25
(9) Principle Spillway (Elev.)	6139.00
(10) Emergency Spillway (Elev.)	6140.00
(11) Existing Sediment Capacity (To Cleanout)	0.000 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Thick Veg. in Bottom. No Discharge. Pond scheduled for cleaning.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "E" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	0.892 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6140.50
(8) Sediment Cleanout Level (Elev.)	6142.50
(9) Principle Spillway (Elev.)	6145.00
(10) Emergency Spillway (Elev.)	6146.00
(11) Existing Sediment Capacity (To Cleanout)	0.172 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Moderate Veg.in Bottom. No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND "F" LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	0.804 Ac. Ft.
(6) Monitoring Procedures	U.P.D.E.S. Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	6166.95
(8) Sediment Cleanout Level (Elev.)	6168.75
(9) Principle Spillway (Elev.)	6173.00
(10) Emergency Spillway (Elev.)	6174.00
(11) Existing Sediment Capacity (To Cleanout)	0.061 Ac. Ft.

GENERAL

(12) Comments/Recommendations	No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

(Signature)

11-10-94
(Date)

ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: DEPRESSION AREA LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Damp/Wet
(5) Existing Storage Capacity	4.990 Ac. Ft.
(6) Monitoring Procedures	Monitor for Water Depth for Pumping.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	N/A
(8) Sediment Cleanout Level (Elev.)	N/A
(9) Principle Spillway (Elev.)	N/A
(10) Emergency Spillway (Elev.)	N/A
(11) Existing Sediment Capacity (To Cleanout)	N/A

GENERAL

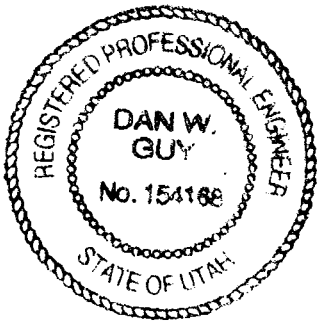
(12) Comments/Recommendations	Depression Area next to Railroad. Damp/Wet.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)



ANDALEX RESOURCES, INC.

1994 ANNUAL POND INSPECTION REPORT

POND: PERM. IMPOUNDMENT

LOCATION: WILDCAT

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A - Dry.
(5) Existing Storage Capacity	0.400 Ac. Ft.(Upper) 0.530 Ac. Ft.(Lower)
(6) Monitoring Procedures	Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	N/A
(8) Sediment Cleanout Level (Elev.)	N/A
(9) Principle Spillway (Elev.)	N/A
(10) Emergency Spillway (Elev.)	N/A
(11) Existing Sediment Capacity (To Cleanout)	N/A

GENERAL

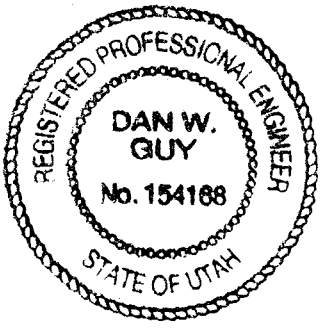
(12) Comments/Recommendations	Reconstructed in 10/91. Permanent Impoundment. No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
(Signature)

11-10-94
(Date)



Joe - File

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210 B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708 953 9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

January 13, 1994

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

Coal Sample in H_2O 24 Hours

Kind of sample reported to us Water

Rec'd 0930 hr.
Sampled No Time Given

Sample taken at Andalex

Sample taken by Andalex

NOTE: Sample received after pH holding time expired.

Date sampled December 28, 1993

Date received December 29, 1993

Analysis report no. 59-13805

Parameter	Result	MDL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	1	mg/l	$CaCO_3$ 2310 B	12-30-1993 1530 ED
Alkalinity, Bicarbonate	22	1	mg/l	$CaCO_3$ 4500 CO_2D	01-03-1994 0945 LS
Alkalinity, Carbonate	<1	1	mg/l	$CaCO_3$ 4500 CO_2D	01-03-1994 0945 LS
Alkalinity, Total	22	1	mg/l	$CaCO_3$ EPA 310.1	01-03-1994 0945 LS
Aluminum	<2	1	mg/l	EPA 202.1	01-04-1994 1300 DW
Anions	0.40	----	meq/l	---------	---------- ----- --
Arsenic	<0.010	0.01	mg/l	EPA 206.2	01-03-1994 1245 DW
Barium	<0.5	0.2	mg/l	EPA 208.1	01-04-1994 1345 DW
Boron	0.06	0.1	mg/l	EPA 212.3	01-13-1994 1100 LM
Cadmium	<0.0200	0.02	mg/l	EPA 213.1	01-04-1994 1130 DW
Calcium	7.0	1	mg/l	EPA 215.1	12-30-1993 1400 DW
Cations	0.50	----	meq/l	---------	---------- ----- --
Chloride	<10.0	1	mg/l	EPA 325.3	01-04-1994 0800 ED
Chromium	<0.1	0.1	mg/l	EPA 218.1	01-04-1994 1530 DW
Conductivity	38.00	0.2	umhos/cm	EPA 120.1	01-06-1994 1700 ED
Copper	<0.20	0.2	mg/l	EPA 220.1	01-04-1994 0830 DW
Fluoride	<2.00	0.04	mg/l	EPA 340.2	01-03-1994 1515 ED
Hardness, Total	22.0	1	mg/l	$CaCO_3$ 2340 B	12-30-1993 1400 DW
Iron	0.30	0.2	mg/l	EPA 236.1	01-03-1994 0815 DW
Lead	<0.200	0.2	mg/l	EPA 239.1	01-04-1994 1100 DW
Magnesium	1.00	1	mg/l	EPA 242.1	12-30-1993 1500 DW
Manganese	<0.10	0.1	mg/l	EPA 243.1	01-03-1994 0800 DW
Mercury	<0.0010	0.001	mg/l	EPA 245.1	01-06-1994 1030 DW
Molybdenum	<0.2	.2	mg/l	EPA 246.1	01-04-1994 1450 DW

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

Original Watermarked For Your Protection

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

January 13, 1994

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

Coal Sample in H_2O 24 Hours

Kind of sample reported to us Water

Rec'd 0930 hr.
Sampled No Time Given

Sample taken at Andalex

Sample taken by Andalex

NOTE: Sample received after pH holding time expired.

Date sampled December 28, 1993

Date received December 29, 1993

Analysis report no. 59-13805

Parameter	Result	MDL	Units	Method	Analyzed Date/Time/Analyst
Nickel	<0.30	.08	mg/l	EPA 249.1	01-04-1994 1000 DW
Nitrogen, Ammonia	0.40	0.2	mg/l	EPA 350.3	01-05-1994 1030 ED
Nitrogen, Nitrate-Nitrite	0.10	.01	mg/l	EPA 353.3	01-05-1994 1030 LM
Nitrogen, Nitrite	0.02	0.1	mg/l	EPA 354.1	12-30-1993 1305 ED
Oil & Grease	<5	5	mg/l	EPA 413.1	01-07-1994 0800 LM
pH	6.26	----	Units	EPA 150.1	12-30-1993 0930 ED
Phosphorus, Total	0.030	0.01	mg/l	4500 P-E	01-12-1994 0800 LS
Potassium	<2.0	2	mg/l	EPA 258.1	01-03-1994 0710 DW
Selenium	<0.010	.004	mg/l	EPA 270.2	01-03-1994 1500 DW
Sodium	2.0	1	mg/l	EPA 273.1	12-30-1993 1530 DW
Solids, Settleable	<1.0	.5	mg/l	EPA 160.5	12-30-1993 1510 ED
Solids, Total Dissolved	190	10	mg/l	EPA 160.1	01-04-1994 0645 LM
Solids, Total Suspended	126	4	mg/l	EPA 160.2	01-04-1994 0615 LM
Sulfate	0	1	mg/l	EPA 375.4	01-03-1994 1030 LS
Sulfide	<0.5	2	mg/l	EPA 376.1	01-03-1994 0955 ED
Zinc	0.03	.03	mg/l	EPA 289.1	01-04-1994 1030 DW
Cation/Anion Balance	8.20	----	%	---------	---------- ----- --

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

NCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

January 13, 1994

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled December 28, 1993

Date received December 29, 1993

Refuse Sample in H_2O 24 Hours

Rec'd 0930 hr.
Sampled No Time Given

NOTE: Due to Suspended Solids, sample was unable to balance. Sample received after pH holding time expired.

Analysis report no. 59-13806

Parameter	Result	MDL	Units		Method	Analyzed Date/Time/Analyst
Acidity	<10	1	mg/l	$CaCO_3$	2310 B	12-30-1993 1530 ED
Alkalinity, Bicarbonate	41	1	mg/l	$CaCO_3$	4500 CO_2D	01-03-1994 0945 LS
Alkalinity, Carbonate	<1	1	mg/l	$CaCO_3$	4500 CO_2D	01-03-1994 0945 LS
Alkalinity, Total	41	1	mg/l	$CaCO_3$	EPA 310.1	01-03-1994 0945 LS
Aluminum	3	1	mg/l		EPA 202.1	01-04-1994 1300 DW
Anions	29.70	----	meq/l		---------	---------- ----- --
Arsenic	<0.010	0.01	mg/l		EPA 206.2	01-03-1994 1245 DW
Barium	0.6	0.2	mg/l		EPA 208.1	01-04-1994 1345 DW
Boron	0.10	0.1	mg/l		EPA 212.3	01-13-1994 1100 LM
Cadmium	<0.0200	0.02	mg/l		EPA 213.1	01-04-1994 1130 DW
Calcium	12.0	1	mg/l		EPA 215.1	12-30-1993 1400 DW
Cations	31.80	----	meq/l		---------	---------- ----- --
Chloride	<10.0	1	mg/l		EPA 325.3	01-04-1994 0800 ED
Chromium	<0.1	0.1	mg/l		EPA 218.1	01-04-1994 1530 DW
Conductivity	118.00	0.2	umhos/cm		EPA 120.1	01-06-1994 1700 ED
Copper	<0.20	0.2	mg/l		EPA 220.1	01-04-1994 0830 DW
Fluoride	<2.00	0.04	mg/l		EPA 340.2	01-03-1994 1515 ED
Hardness, Total	22.0	1	mg/l	$CaCO_3$	2340 B	12-30-1993 1400 DW
Iron	3.80	0.2	mg/l		EPA 236.1	01-03-1994 0815 DW
Lead	0.200	0.2	mg/l		EPA 239.1	01-04-1994 1100 DW
Magnesium	6.00	1	mg/l		EPA 242.1	12-30-1993 1500 DW
Manganese	<0.10	0.1	mg/l		EPA 243.1	01-03-1994 0800 DW
Mercury	<0.0010	0.001	mg/l		EPA 245.1	01-06-1994 1030 DW
Molybdenum	<0.2	.2	mg/l		EPA 246.1	01-04-1994 1450 DW

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

January 13, 1994

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

Refuse Sample in H_2O 24 Hours

Kind of sample reported to us Water

Rec'd 0930 hr.
Sampled No Time Given

Sample taken at Andalex

Sample taken by Andalex

NOTE: Due to Suspended Solids, sample was unable to balance. Sample received after pH holding time expired.

Date sampled December 28, 1993

Date received December 29, 1993

Analysis report no. 59-13806

Parameter	Result	MDL	Units	Method	Analyzed Date/Time/Analyst
Nickel	<0.30	.08	mg/l	EPA 249.1	01-04-1994 1000 DW
Nitrogen, Ammonia	0.50	0.2	mg/l	EPA 350.3	01-05-1994 1030 ED
Nitrogen, Nitrate-Nitrite	0.10	.01	mg/l	EPA 353.3	01-05-1994 1030 LM
Nitrogen, Nitrite	0.05	0.1	mg/l	EPA 354.1	12-30-1993 1305 ED
Oil & Grease	<5	5	mg/l	EPA 413.1	01-11-1994 1000 LM
pH	7.80	----	Units	EPA 150.1	12-30-1993 0930 ED
Phosphorus, Total	0.120	0.01	mg/l	4500 P-E	01-12-1994 0800 LS
Potassium	4.0	2	mg/l	EPA 258.1	01-03-1994 0710 DW
Selenium	0.010	.004	mg/l	EPA 270.2	01-03-1994 1500 DW
Sodium	2.0	1	mg/l	EPA 273.1	12-30-1993 1530 DW
Solids, Settleable	20.0	.5	mg/l	EPA 160.5	12-30-1993 1510 ED
Solids, Total Dissolved	160	10	mg/l	EPA 160.1	01-04-1994 0645 LM
Solids, Total Suspended	1050	4	mg/l	EPA 160.2	01-04-1994 0615 LM
Sulfate	3	1	mg/l	EPA 375.4	01-05-1994 1500 LS
Sulfide	2.7	2	mg/l	EPA 376.1	01-03-1994 0955 ED
Zinc	0.03	.03	mg/l	EPA 289.1	01-04-1994 1030 DW
Cation/Anion Balance	14.5	----	%	---------	---------- ----- --

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

ANDALEX RESOURCES, INC. - WILDCAT LOADOUT

REFUSE PILE INSPECTION REPORT

MSHA SITE 1211-UT-09-01864-01 QUARTER 1/94

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes Appear Stable. Small piles on North and South end.
(3) Removal of Topsoil/Organics	U/K - No new removal necessary
(4) Construction and Maintenance Performance Standards	O.K. - Pile graded and compacted. Signs are in place. Ditches are O.K.
(5) Recommendations/Comments	Compacted material very coarse. Run over and add fines (as available) to assist in compaction.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

(Signature)

03/24/94
(Date)

ANDALEX RESOURCES, INC. - WILDCAT LOADOUT

REFUSE PILE INSPECTION REPORT

MSHA SITE 1211-UT-09-01864-01 QUARTER 2/94

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes appear stable. Recent dumping on southwest end.
(3) Removal of Topsoil/Organics	U/K - No new removal necessary.
(4) Construction and Maintenance Performance Standards	O.K. - Eastern 80% of pile graded & compacted. Signs are up. Ditches O.K.
(5) Recommendations/Comments	Compacted material very coarse. Add fines (as available) to assist in compaction.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
NO. 154168
STATE OF UTAH

Dan W. Guy
(Signature)

06/22/94
(Date)

ANDALEX RESOURCES, INC. - WILDCAT LOADOUT

REFUSE PILE INSPECTION REPORT

MSHA SITE 1211-UT-09-01864-01 QUARTER 3/94

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes appear stable. East 3/4 pile graded out.
(3) Removal of Topsoil/Organics	U/K - No new removal necessary.
(4) Construction and Maintenance Performance Standards	O.K. East 3/4 pile regraded. Signs are up. Ditches O.K.
(5) Recommendations/Comments	Add fines (as available) to assist in compaction.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

Dan W. Guy
(Signature)

09/23/94
(Date)

ANDALEX RESOURCES, INC. - WILDCAT LOADOUT

REFUSE PILE INSPECTION REPORT

MSHA SITE 1211-UT-09-01864-01 QUARTER 4/94

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes appear stable.
(3) Removal of Topsoil/Organics	U/K - No new removal necessary.
(4) Construction and Maintenance Performance Standards	O.K. - Approximately 4' of fine material added to pile and graded out. Signs up.
(5) Recommendations/Comments	Replace ditch after topsoil piles are moved.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 154168
STATE OF UTAH

Dan W. Guy
(Signature)

11-10-94
(Date)

POSITIONS HELD -BEGINNING AND ENDING DATES
ANDALEX RESOURCES, INC.

NAME	AFFILIATE DATE	POSITION HELD	BEGINNING DATE	ENDING DATE
PETER B. GREEN	01/05/88	DIRECTOR	01/05/88	------
	01/05/88	CHAIRMAN	05/11/90	------
ROBERT ANDERSON, JR.	01/03/78	DIRECTOR	01/03/78	------
	01/03/78	PRESIDENT		
	01/03/78	PRESIDENT	08/20/90	07/01/94
	01/03/78	VICE CHAIRMAN	07/01/94	------
JOHN BRADSHAW	02/05/90	VP FINANCE	02/05/90	------
	02/05/90	SECRETARY	03/01/94	------
RONALD C. BEEDIE	01/05/88	DIRECTOR	01/05/88	------
DOUGLAS H. SMITH	03/07/94	SR. VICE PRESIDENT	03/07/94	07/01/94
	03/07/94	PRESIDENT	07/01/94	------
SAMUEL C. QUIGLEY	02/24/95	VICE PRESIDENT U.G. OPERATIONS	02/24/95	------
GORDON ULRICH	07/01/94	DIRECTOR	07/01/94	------
MARY JEAN MITCHELL GREEN	12/31/85	DIRECTOR	12/31/85	05/11/90
	12/31/85	CHAIRMAN	12/31/85	05/11/90
KENNETH O. TAYLOR	01/01/81	VICE PRESIDENT	01/01/81	03/31/93
EMMETT ANDERSON	12/31/85	VICE PRESIDENT	12/31/85	08/11/89
JAMES D. POWELL	12/31/85	VICE PRESIDENT	12/31/85	08/11/89
BRUCE FERRIELL	11/18/86	SECRETARY	11/18/86	10/12/93
MALCOLM THOMAS	09/29/89	VICE PRESIDENT	09/29/89	12/01/93
DENNIS HALLIBURTON	12/31/85	VICE PRESIDENT	12/31/85	10/19/87
CHARLES MILLS	10/14/88	VICE PRESIDENT	10/14/88	10/01/89
DENNIS PERREY	12/31/85	CONTROLLER	12/31/85	02/08/90
W. KEITH SMITH	07/09/81	VICE PRESIDENT	07/09/81	05/01/90
GARY LIVINGSTONE	01/05/88	PRESIDENT	01/08/88	08/20/90

SEDIMENTATION POND
Inspection Report
Pond II

Date: 1-12-94

Inlet & Outlet Conditions: Good

Erosion Problems: none

Embankment Stability: Good

Water Level: none

Weather Conditions: Sunny Cold

Additional Comments:

Time of Inspection: 10 30 [illegible]

Person Conducting Inspection: [illegible]

SEDIMENTATION POND
Inspection Report
Pond B

Date: 1-12-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Sunny. Cold

Additional Comments:

Time of Inspection: 10:45 am

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 1-12-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Sunny. Cold

Additional Comments:

Time of Inspection: 10:45 am

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond D

Date: 1-12-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Sunny - Cold

Additional Comments: needs - to be cleaned
Reported to Mike Hansen.

Time of Inspection: 1050 am

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 1-12-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Sunny. Cold

Additional Comments:
Half Round ~~[illegible]~~ leaking to
Pond need Cleared.

Time of Inspection: 11 50 am

Person Conducting Inspection: [illegible]

SEDIMENTATION POND
Inspection Report
Pond F

Date: 1-12-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Sunny. Cold

Additional Comments:

Time of Inspection: 10:10 AM

Person Conducting Inspection: John Higgins

SEDIMENTATION POND
Inspection Report
Pond A

Date: 4-1-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 1:15 P

Person Conducting Inspection: Jack Byrne

SEDIMENTATION POND
Inspection Report
Pond B

Date: 4-1-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: clear

Additional Comments:

Time of Inspection: 1115

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond C

Date: 4-1-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear.

Additional Comments:

Time of Inspection: 1255

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond D

Date: 4-14-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 10AM

Person Conducting Inspection: J. Bryan

SEDIMENTATION POND
Inspection Report
Pond E

Date: 4-4-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 11 am

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 4-4-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 1115

Person Conducting Inspection: Jack Pyne

SEDIMENTATION POND
Inspection Report
Pond A

Date: 7-6-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: n/a

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 11 00 a

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond B

Date: 7-3-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 1120

Person Conducting Inspection: Jack Payne

SEDIMENTATION POND
Inspection Report
Pond C

Date: 7-6-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 1139

Person Conducting Inspection: Jack Bryan

SEDIMENTATION POND
Inspection Report
Pond D

Date: 7-6-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 1140 am

Person Conducting Inspection: Jeff Bryan

SEDIMENTATION POND
Inspection Report
Pond E

Date: 7-6-90

Inlet & Outlet Conditions: none

Erosion Problems: none

Embankment Stability: Good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 11 45 a

Person Conducting Inspection: [illegible]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 7-6-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: clear

Additional Comments:

Time of Inspection: 12:01 Pm

Person Conducting Inspection: Jack Rayne

SEDIMENTATION POND
Inspection Report
Pond A

Date: 10-4-94

Inlet & Outlet Conditions: good

Erosion Problems: OK none

Embankment Stability: ok

Water Level: none

Weather Conditions: Cloudy -

Additional Comments:

Time of Inspection: 11:30a

Person Conducting Inspection: Pyzza

SEDIMENTATION POND
Inspection Report
Pond B

Date: 10-4-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Cloudy

Additional Comments:

Time of Inspection: 11:40 am

Person Conducting Inspection: Jack Boyce

SEDIMENTATION POND
Inspection Report
Pond e

Date: 10-4-94

Inlet & Outlet Conditions: ok

Ercsion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Clear

Additional Comments:

Time of Inspection: 11:40 am

Person Conducting Inspection: John Bryson

SEDIMENTATION POND
Inspection Report
Pond D

Date: 10-4-94

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Cloudy

Additional Comments:

Time of Inspection: 1150 am

Person Conducting Inspection: Jack Ryder

SEDIMENTATION POND
Inspection Report
Pond E

Date: 10-4-94

Inlet & Outlet Conditions: ok

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Cloudy

Additional Comments:

Time of Inspection: 12 1/2

Person Conducting Inspection: [illegible]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 10-4-94

Inlet & Outlet Conditions: ok

Erosion Problems: none

Embankment Stability: good

Water Level: none

Weather Conditions: Cloudy.

Additional Comments:

Time of Inspection: 1120 hr

Person Conducting Inspection: JK Bryan

SEDIMENTATION POND
Inspection Report
Pond A

Date: 2-6-95

Inlet & Outlet Conditions: oh

Erosion Problems: none

Embankment Stability: good

Water Level: snow

Weather Conditions: Cloudy

Additional Comments:

Time of Inspection: 1210 Pm

Person Conducting Inspection: Jeb Boyce

SEDIMENTATION POND
Inspection Report
Pond B

Date: 2-4-95

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level: snow

Weather Conditions: Cloudy -

Additional Comments:

Time of Inspection: 12 15/pm

Person Conducting Inspection: [illegible]

SEDIMENTATION POND
Inspection Report
Pond e

Date: 12-6-94

Inlet & Outlet Conditions: none ok

Erosion Problems: none

Embankment Stability: good

Water Level: snow

Weather Conditions: Cloudy.

Additional Comments:

Time of Inspection: 1250pm

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond D

Date: 9-4-95

Inlet & Outlet Conditions: OK

Erosion Problems: none

Embankment Stability: good

Water Level: snow

Weather Conditions: Cloudy -

Additional Comments:

Time of Inspection: 1250 Pm

Person Conducting Inspection: [signature]

SEDIMENTATION POND
Inspection Report
Pond E

Date: 2-4-95

Inlet & Outlet Conditions: OK

Erosion Problems: none

Embankment Stability: good

Water Level: low

Weather Conditions: Cloudy.

Additional Comments:

Time of Inspection: 1:10 Pm

Person Conducting Inspection: Jack Byrne

SEDIMENTATION POND
Inspection Report
Pond E

Date: 2-6-95

Inlet & Outlet Conditions: good

Erosion Problems: none

Embankment Stability: good

Water Level:

Weather Conditions: snow & Cloudy.

Additional Comments:

Time of Inspection: 1:30 PM

Person Conducting Inspection: [signature]

ANDALEX
RESOURCES, INC.
Tower Division

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

April 15, 1994

Russel A. Roberts, Director
Division of Air Quality
State of Utah
Department of Environmental Quality
PO Box 144820
Salt Lake City, Utah 84114-4820

Attn: Patti Kimes

Re: 1993 Annual Criteria Pollutant Emission Inventory

Enclosed is the emission inventory for Andalex Resources' Centennial Minesite and Wildcat Loadout.

Please call with any questions you may have pursuant to the report.

Sincerely,

Michael W. Glasson
Senior Geologist

mwg/rr

Enclosures

Questionnaire Form "A"

Company/Operator Information

Andalex Resources, Incorporated

State of Utah 1993 Emission Inventory

Department of Environmental Quality
Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4840
Telephone (801)536-4000

Please verify that your company name is identical to your business name registered with the Utah Dept. of Commerce and that other information listed is correct.

Company Name	Andalex Resources, Incorporated				
Mailing Address					
	PO Box 902				
City, State	Price, UT		**Zip**	84501 -	
Contact Name	Michael W. Glasson	**Title**	Senior Geologist		
Telephone	801-637-5385	**FAX Number**	801-637-8860		

Site (Source) Name	Centennial Minesite	**Site ID**	0700003
Street	Same	**SIC Code**	1222
City, State	UT **Zip** -	**Contact Name**	Same
Site Description		**Title**	
		Telephone	

XX Please check if mailing address for this site is the same as your company mailing address given above.

If different mailing address for this site, please complete the following:

Mailing Address Street _____

City, State _____ Zip _____

Location Information	**County**	Carbon	**Township**	13 South	**Area (sq.mi.)**	
Latitude	39°42'11"	**UTM East**	2,217,918	**Range**	11 East	0.05	
Longitude	110°43'41"	**UTM North**	500,072	**Section**	7,18		

Andalex Resources, Incorporated — Total Number of Sites 1

Andalex
WILDCAT LOADOUT

State of Utah 1993 Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F6 : Fugitive Emissions *Part 1*

WILDCAT LOADOUT Site ID: **0790109**

Plant or Operation:

Pt.Source ID	Source Description (Be specific)	Material Used				Production (units/hour)			
		Type	% Moisture	Thru-Put	Units	Design Rate	Units	Ave.Actual Rate	Units
1	truck to stockpile			1.206	mmton				
2	drop to screens			1.206	mmton				
3	screens			1.206	mmton				
4	screens to crusher			1.206	mmton				
5	crusher			0.241	mmton				
6	crusher to stockpile			1.206	mmton				
7	train loadout			1.206	mmton				

Enter new information for this site here.

Plant or Operation:

Pt.Source ID	Source Description (Be specific)	Material Used				Production (units/hour)			
		Type	% Moisture	Thru-Put	Units	Design Rate	Units	Ave.Actual Rate	Units
1	Truck to Stock			1.232					
2	Drop to Screen			1.232					
3	Screen			1.232					
4	Screen to Crusher			1.232					
5	Crusher			0.246					
6.	Crusher to Stock			1.232					

7	Train Loadout			1.232					

Andalex
WILDCAT LOADOUT

State of Utah 1993 Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F6: Fugitive Emissions *Part 2*

WILDCAT LOADOUT Site ID: **0790109**

Plant or Operation:

Pt.Source ID	Source Description (Be specific)	Emissions (tons/year) TSP	PM10	SOx	NOx	VOC	CO	Estimate Code TSP	PM10	SOx	NOx	VOC	CO	Emission Factor TSP	PM10	SOx	NOx	VOC	CO
1	truck to stockpile	0.1	0.05					3											
2	drop to screens	0.1	0.05					3											
3	screens	9.65	7.24					3											
4	screens to crusher	0.133	0.064					3											
5	crusher	3.37	0.21					3											
6	crusher to stockpile	0.133	0.064					3											
7	train loadout	0.104	0.051					3											
	Subtotal	13.590	7.729																
Subtotal WILDCAT LOADOUT		13.590	7.729																

Enter new information for this site here.

Plant or Operation:

Pt.Source ID	Source Description (Be specific)	Emissions (tons/year) TSP	PM10	SOx	NOx	VOC	CO	Estimate Code TSP	PM10	SOx	NOx	VOC	CO	Emission Factor TSP	PM10	SOx	NOx	VOC	CO
1	Truck to Stock	0.10	0.05																
2	Drop to Screen	0.10	0.05																
3	Screen	9.86	7.40																
4	Screen to Crshr	.134	.065																
5	Crusher	3.44	0.21																
6	Crusher to Stk	.134	.065																
7	Train Loadout	.106	.052																

Andalex
WILDCAT LOADOUT

State of Utah 1993 Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F6 : Fugitive Emissions — *Part 3*

WILDCAT LOADOUT — Site ID: **0790109**

Plant or Operation:

Pt.Source ID	Site Description	Time Required For Each Process				Percentage of Annual Hours of Operation				Process Start Time	Process Finish Time
		Hrs/Day	Days/Wk	Wks/Yr	Hrs/Yr	Qtr 1	Qtr 2	Qtr 3	Qtr 4		
1	truck to stockpile										
2	drop to screens										
3	screens										
4	screens to crusher										
5	crusher										
6	crusher to stockpile										
7	train loadout										

Enter new information for this site here.

Plant or Operation:

Pt. Source ID	Site Description	Time Required For Each Process				Percentage of Annual Hours of Operation				Process Start Time	Process Finish Time
		Hrs/Day	Days/Wk	Wks/Yr	Hrs/Yr	Qtr 1	Qtr 2	Qtr 3	Qtr 4		
1	Truck to Stock	16	5	52	4160	25	25	25	25	0700	02300
2	Drop to Screen	"	"	"	"						
3	Screen	"	"	"	"						
4	Screen to Crusher	"	"	"	"						
5	Crusher	"	"	"	"						
6	Crusher to Stock	"	"	"	"						
7	Train Loadout	2	3	52	312						

State of Utah 1993 Emission Inventory

Department of Environmental Quality
Division of Air Quality

Form F11: Fugitive Dust Part 1

WILDCAT LOADOUT Site ID: **0790109**

Road Source ID	Road Description	Road Type	Public Road	Private Road	Vehicle MilesTraveled /year	Ave mph Vehicle Speed	Dust Control Method	Dust Control # of Applications	Dust Control % Control	% Silt Content	Vehicle Weight Loaded	Vehicle Weight Units Empty	Vehicle Weight Units	Mean # of Wheels
1	unpaved		No	No	6700	10		0	90.00%	8.00%	65	ton 20.5	ton	26
2	loaded trucks		No	No	6700			0	90.00%		65	ton 20.5	ton	26

Enter new information for this site here.

Road Source ID	Road Description	Road Type	Public Road	Private Road	Vehicle MilesTraveled /year	Ave mph Vehicle Speed	Dust Control Method	Dust Control # of Applications	Dust Control % Control	% Silt Content	Vehicle Weight Loaded	Vehicle Weight Units Empty	Vehicle Weight Units	Mean # of Wheels
1	Unpaved				6840									
2	Loaded Trucks				6840									

State of Utah 1993
Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F11: Fugitive Dust Part 2

WILDCAT LOADOUT Site ID: **0790109**

Road Source ID	Road Description	Estimated Emissions (tons/yr) TSP	Estimated Emissions (tons/yr) PM10	Estimate Code TSP	Estimate Code PM10	Emission Factor TSP	Emission Factor PM10
1	unpaved		1.31				
2	loaded trucks		2.95				

Total Emissions forWILDCAT LOADOUT: 4.260

Enter new information for this site here.

Road Source ID	Road Description	Road Type	Estimated Emissions (tons/yr) TSP	Estimated Emissions (tons/yr) PM10	Estimate Code TSP	Estimate Code PM10	Emission Factor TSP	Emission Factor PM10
1	Unpaved		2.87	1.34				
2	Loaded trucks		6.44	3.01				

State of Utah 1993 Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F11: Fugitive-Storage Piles *Part 4*

WILDCAT LOADOUT Site ID: **0790109**

Pt. Source ID	Type of Material Stored	Ave Amount Stored (tons/yr)	Stockpile Size (acres)	Annual Thru-put (tons/yr)	Sieve Analysis/Sizing Description	Content of Material % Moisture	Content of Material % Silt	Wind Speed (mph)	Control of Dust/Emissions Type	Control of Dust/Emissions % Control	Emissions (tons/yr) TSP	Emissions (tons/yr) PM10	Estimate Code TSP	Estimate Code PM10
1		17	5									5.72		

Total Emissions for WILDCAT LOADOUT: 5.720 tons/year

Enter new information for this site here.

Pt. Source ID	Type of Material Stored	Ave Amount Stored (tons/yr)	Stockpile Size (acres)	Annual Thru-put (tons/yr)	Sieve Analysis/Sizing Description	Content of Material % Moisture	Content of Material % Silt	Wind Speed (mph)	Control of Dust/Emissions Type	Control of Dust/Emissions % Control	Emissions (tons/yr) TSP	Emissions (tons/yr) PM10	Estimate Code TSP	Estimate Code PM10
1											15.79	5.84		

State of Utah 1993 Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F11: Fugitive-Storage Piles *Part 5*

WILDCAT LOADOUT Site ID: **0790109**

Pt. Source ID	Type of Material Stored	Emission Factor		Length of Storage				Percentage of Annual Hours of Storage				Storage Duration
		TSP	PM10	Hrs/Day	Days/Wk	Wks/Yr	Hrs/Yr	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1				24	7	52	8760	25.00%	25.00%	25.00%	25.00%	365 days/yr

Enter new information for this site here.

Pt. Source ID	Type of Material Stored	Emission Factor		Length of Storage				Percentage of Annual Hours of Storage				Storage Duration
		TSP	PM10	Hrs/Day	Days/Wk	Wks/Yr	Hrs/Yr	Qtr 1	Qtr 2	Qtr 3	Qtr 4	

State of Utah 1993 Emission Inventory

Department of Environmental Quality
Division of Air Quality

Form F12: Off-Highway Mobile Sources *Part 1*

WILDCAT LOADOUT Site ID: **0790109**

Source ID	Mobile Source Description	Number of Vehicles	Usage (hrs/yr) Gasoline Powered	Usage (hrs/yr) Diesel Powered	Emissions (tons/year) TSP	PM10	SOx	NOx	VOC	CO
9	Wheeled Dozers				0.402	0.201	0.374	5.628	0.45	1.224
20	Other (unspecified)				0.003	0.013	0.003	0.051	0.07	1.97
21	Haul Truck				0.047	0.024	0.044	0.657	0.053	0.143
	Subtotal WILDCAT LOADOUT				.452	.238	.421	6.336	.573	3.337

Enter new information for this site here.

Plant or Operation:

Source ID	Mobile Source Description	Number of Vehicles	Usage (hrs/yr) Gasoline Powered	Usage (hrs/yr) Diesel Powered	Emissions (tons/year) TSP	PM10	SOx	NOx	VOC	CO
9	Wheeled Dozer				0.411	0.205	0.382	5.749	0.46	1.250
20	Other				0.003	0.014	0.003	0.052	0.07	2.01
21	Haul Truck				0.048	0.025	0.045	0.671	0.054	0.146

State of Utah 1993
Emission Inventory
Department of Environmental Quality
Division of Air Quality

Form F12: Off-Highway Mobile Sources *Part 2*

WILDCAT LOADOUT Site ID: **0790109**

Source ID	Mobile Source Description	Estimate Code						Emission Factor					
		TSP	PM10	SOx	NOx	VOC	CO	TSP	PM10	SOx	NOx	VOC	CO
9	Wheeled Dozers	0											
20	Other (unspecified)	0											
21	Haul Truck												

Enter new information for this site here.

Source ID	Mobile Source Description	Estimate Code						Emission Factor					
		TSP	PM10	SOx	NOx	VOC	CO	TSP	PM10	SOx	NOx	VOC	CO

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

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

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)

August 31, 1994

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To Mike Glasson	From PAM G-L
Co. Andalex	Co. DOGM
Dept.	Phone #
Fax # 637-5860	Fax #

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

Re: New Truck Dump and Topsoil Relocation Plan, Wildcat Loadout Facility, Andalex Resources, Inc., ACT/007/033-94B and ACT/007/033-94C, Folder #3, Carbon County, Utah

Dear Mr. Glasson:

Approval is hereby given for construction of the new truck dump and coal storage facility and relocation of the topsoil stockpile with the following stipulations:

1-"Prior to placement of fill material as proposed, Andalex Resources, Inc., must provide to the Division an analysis of the material to demonstrate that it is suitable for use as fill. If it is determined to be unsuitable, alternative fill material will need to be used," and

2-"Andalex Resources Inc., must notify the Division three days prior to the installation of the test plot."

Please submit seven finalized copies of both amendments by September 30, 1994. If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

cc: Daron Haddock