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CalMat
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The CalMat Companies

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MAR 10 1995
DIV OF OIL, GAS & MINING

February 24, 1995

CERTIFIED MAIL NO. P048 335 856
RETURN RECEIPT REQUESTED

Lowell P. Braxton
STATE OF UTAH, NATURAL RESOURCES
OIL, GAS AND MINING
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ACT/015/002 #6
Copy Price (Call)
(Pam Kall)

Dear Mr. Braxton:

Enclosed is the 1994 Annual Report for our Hidden Valley property.

Sincerely,

HIDDEN VALLEY COAL COMPANY

Lee Edmonson

Lee Edmonson, Manager
Planning & Regulatory Affairs

LE/cn

Enclosures

1801 E. UNIVERSITY DRIVE / PHOENIX, AZ 85034 / P.O. BOX 52012, ZIP 85072 / (602) 254-8465

COAL MINING AND RECLAMATION OPERATIONS FOR 1994

(Must be submitted to the Division by April 14, 1995)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

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Permittee: Hidden Valley Coal Company

Mine Name: Hidden Valley Mine

Mailing Address: 1801 E. University Drive, Phoenix, AZ 85034

Company Representative: Lee Edmonson

Resident Agent: United States Corporation Company

Permit Number: ACT/015/007

MSHA ID Number: None

Date of Initial Permanent Program Permit: December 11, 1986

Date of Permit Renewal: January 30, 1994

Quantity of Coal Mined (tonnage) 1994: None

Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1994. (Same as Lease Royalty Payment Map and/or MSHA Progress Map)

All monitoring activities during the report period to be submitted with this report (including, but not limited to):

A. General

1. **Discuss anomalies, missing data and monitoring changes made throughout the year.**
2. **Summarize any corrective actions and the results that may have occurred during the year.**

B. Water Monitoring Data:
Groundwater Summary

1. **Mine Discharge**
   a. **Summarize the total annual discharge from mine water discharge points and breakdown on a monthly basis for each site.**
   b. **Discuss the past five years of data comparing changes in discharge. (Include in the discussion elements encountered during the year such as mining rate, location of faults or large in-mine flows during the year.)**
   c. **Discuss trends, if existent, and exceedence in water quality parameters. A correlation with flow could provide additional information.**

HIDDEN VALLEY MINE
1994 Annual Report
February 24, 1995

A. Water monitoring results are attached.

B. The closest weather station data available is from Castle Dale, Utah.

Castle Dale Station, Emery County, Utah

Elevation 5.819 feet
Period of record: 1928-1992
Normal mean temperature: 47.4° F.
Normal annual precipitation: 7.52 inches

C. Subsidence monitoring is not required for this site.

D. Quantitative revegetation analysis was conducted in 1992 and submitted by letter dated December 11, 1992.

E. There are no impoundments on this site.

F. There are no over burden or spoil analysis data required for this site.

G. The report of officers of the company is attached.

RECEIVED JUN 6 1994

CHEMTECH

ANALYTICAL LABORATORY

6100 S. STRATLER
MURRAY, UTAH 84107
PHONE: (801) 262-7299
FAX: (801) 262-7378

DATE: 6-06-94

TO: JBR Consultants
8160 S. Highland Dr. STE A-4
Sandy, Utah 84093

DATE SAMPLED: 5-19-94 @ 1045 by Karla Knoop

DATE SUBMITTED: 5-20-94

CERTIFICATE OF ANALYSIS

SAMPLE ID:	Ivie Creek #1	Ivie Creek #2		
LAB#:	U007550	U007551	DATE ANALYZED/METHOD	ANALYST
PARAMETER				
Oil & Grease, mg/l	<5	<5	5-27-94 EPA 413.1	RP
TDS, mg/l	3,330	3,270	5-26-94 EPA 160.1	RG
pH Units	8.35	8.40	5-23-94 EPA 150.1	RG
Conductivity, uhmos/cm	3,790	3,700	5-23-94 EPA 120.1	RG
Seattleable Solids, ml/l	<.2	<.2	5-20-94 EPA 160.5	RG
TSS, mg/l	11	23	5-23-94 EPA 160.2	RG
Hardness as $CaCO_3$, mg/l	1,420	1,200	6-02-94 EPA 130.2	RG
Acidity as $CaCO_3$, mg/l	<10	<10	5-31-94 EPA 305.1	RG
Carbonate as CO_3, mg/l	3	<2	5-31-94 SM 2320B	RG
Bicarbonate as HCO_3, mg/l	321	318	5-31-94 SM 2320B	RG
Chloride as Cl, mg/l	161	152	6-03-94 EPA 325.3	RG
Sulfate as SO_4, mg/l	1,950	1,850	5-24-94 SM 4500	TH
Manganese as Mn, mg/l	0.034	0.041	5-26-94 EPA 200.7	JO
Calcium as Ca (Diss), mg/l	161	157	5-23-94 EPA 200.7	JO
Iron as Fe (Diss), mg/l	0.031	0.062	5-26-94 EPA 200.7	JO
Magnesium as Mg (Diss), mg/l	196	194	5-23-94 EPA 200.7	JO
Potassium as K (Diss), mg/l	6.8	6.9	5-23-94 EPA 200.7	JO
Sodium as Na (Diss), mg/l	394	409	5-23-94 EPA 200.7	JO

NOTE: Sample temp. when submitted was 4.6°C on ice

Approved By: Russell Ruckman

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
FIELD MEASUREMENT SHEET

Date Sampled May 19, 1994
Time Sampled Site #1: 1130
Site #2: 1045
Sampler Karla Knoop, JBR

Location	Flow (cfs)	Temperature degrees C	pH	Conductivity (micromhos)	Dissolved Oxygen (mg/l)
#1 Ivie Ck (upper)	0.6	14	7.5	3500	8.5
#2 Ivie Ck (lower)	0.6	14	7.5	3400	8.5

CHEMTECH

ANALYTICAL LABORATORY

6100 S. STRATLER
MURRAY, UTAH 84107
PHONE: (801) 262-7299
FAX: (801) 262-7378

DATE: 10-13-94

TO: JBR Consultants
8160 So. Highland Dr. STE A-4
Sandy, Utah 84093

SAMPLE ID: Lab #UQ15559

PROJECT: CAL MAT - Hidden Valley Coal: Ivie Creek #2

DATE SAMPLED: 9-27-94

DATE SUBMITTED: 9-28-94

CERTIFICATE OF ANALYSIS

PARAMETER	DETECTED	DATE ANALYZED/METHOD	
Oil & Grease, mg/l	<5	10-10-94	EPA 413.1
TDS, mg/l	1,370	9-29-94	EPA 160.1
pH Units	8.36	9-30-94	EPA 150.1
Conductivity, umhos/cm	1,920	10-03-94	EPA 120.1
TSS, mg/l	3.0	9-29/10-4	EPA 160.2
Settleable Solids, ml/l	<.2	9-28-94	EPA 160.5
Hardness as $CaCO_3$, mg/l	459	9-29-94	EPA 130.2
Acidity as $CaCO_3$, mg/l	<10	10-11-94	EPA 305.1
Carbonate as CO_3 (D) mg/l	4	9-30-94	SM 2320B
Bicarbonate as HCO_3 (D), mg/l	316	9-30-94	SM 2320B
Chloride as Cl (D), mg/l	44.5	9-29-94	EPA 325.3
Sulfate as SO_4 (D), mg/l	772	10-03-94	SM 4500
Calcium as Ca (D), mg/l	78.5	9-30-94	EPA 200.7
Magnesium as Mg (D), mg/l	58.4	9-30-94	EPA 200.7
Potassium as K (D), mg/l	4.73	9-30-94	EPA 200.7
Sodium as Na (D), mg/l	272	9-30-94	EPA 200.7
Iron as Fe (D), mg/l	0.290	9-30-94	EPA 200.7
Manganese as Mn (T), mg/l	0.022	9-30-94	EPA 200.7

NOTE: Sample temp. when submitted was 7.7°C on ice.

Approved By: Joel Workman

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
FIELD MEASUREMENT SHEET

Date Sampled: September 27, 1994

Time Sampled: Site #1: 0830
Site #2: 0930

Sampler: Karla Knoop, JBR Environmental Consultants

Location	Flow (cfs)	Temperature degrees C	Conductivity (micromhos)
#1 Ivie Ck (upper)	0.2	9	1960
#2 Ivie Ck (lower)	0.2	9	1940

NOTES: No dissolved oxygen measurements were taken.
pH was done by laboratory