

COAL MINING AND RECLAMATION OPERATIONS FOR 1990

(Must be submitted to the Division by March 31, 1991)

RECEIVED
MAR 08 1991DIVISION OF
OIL, GAS & MININGState 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

Permittee: Hidden Valley Coal Company, a subsidiary of CalMat Co.

Mine Name: Hidden Valley Mine

Mailing Address: 3200 San Fernando Road, Los Angeles, CA (corporate office)
1801 E. University Drive, Phoenix, AZ 85034 (to correspond with representative)

Company Representative: Lee Edmonson

Resident Agent: United States Corporation Company

Permit Number: INA/015/007

Date of Initial Permanent Program Permit 12/11/86 Reclamation

Date of Permit Renewal: 1/28/92

Quantity of Coal Mined (tonnage) 1990: None

Attach Updated Mine Sequence Map.

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

- A. Summarized Water Monitoring Data
- B. Precipitation or Other Climatological Data
- C. Subsidence Monitoring Report
- D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final)
- E. Annual Impoundment Inspection
- F. Permit Stipulation Status, if applicable. Status of Division Orders, if applicable.

HIDDEN VALLEY COAL PROPERTY
1990 ANNUAL REPORT
MARCH 5, 1991

- A. See attached.
- B. The closest official weather station is located at Emery, Utah, about eight miles north northwest of the mine site.

Average annual precipitation is 7.55 inches. Prevailing strong winds shift from southeast in the A.M. to north northwest in the P.M.

- C. None.
- D. Repairs:

1. Repair run-off control structures.
2. Repair silt fences.
3. Repair/replace erosion control matting damaged by high winds.
4. Replace mine identification sign.
5. Install traffic barrier near top of road.
6. Remove excess erosion control matting.
7. Remove rock and talus from "B" seam diversion.

Monitoring of the reclamation site will continue for a period of time as required. The site is usually monitored monthly (April-September). The fourth growing season was 1990. Little transport/erosion occurred, and

- E. Active reclamation permit. Monitoring for the fourth year (10 year schedule) is complete.

CalMat Co

P.O. BOX 947, COLTON, CALIFORNIA 92324/(714) 825-4260



July 12, 1990
90

Mr. Lowell P. Braxton
Administrator
Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Ivie Creek, Hidden Valley Project
1990 Stream Monitoring Work

Dear Mr. Braxton:

Enclosed are the results of the May 1990 stream monitoring work for Ivie Creek at the Hidden Valley Project in Emery County, Utah.

Sample and field measurements were taken on May 22, 1990. Both the field results, including work sheets, and the laboratory results are included here. Site #1 is the upstream monitoring site and is located on the west side of the property. Site #2, the downstream monitoring site, is located just to the east of the property line.

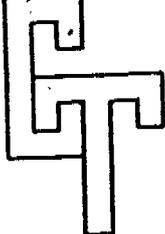
Please contact me if you have any questions regarding this matter.

Sincerely,

John W. Rains
Chief Mining Engineer
California Portland Cement Division
CalMat Co

/kew
Enclosures

jwr 332



CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

6100 S. STRATLER
MURRAY, UTAH 84107
(801) 262-7299

DATE: 6-13-90

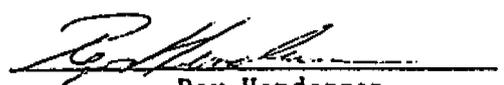
TO: JBR Consultants
1952 East Fort Union Blvd. STE 209
Salt Lake City, UT 84121

DATE SUBMITTED: 5-25-90 - Hidden Valley Mine, Collected 5-22-90

CERTIFICATE OF ANALYSIS

SAMPLE ID:	#1 UPPER IVIE	#2 LOWER IVIE
LAB:	<u>U050969</u>	<u>U050970</u>

<u>PARAMETER</u>		
Acidity as CaCO ₃ , mg/l	<10	<10
Bicarbonate as HCO ₃ , mg/l	251	252
Carbonate as CO ₃ , mg/l	0	3.6
Calcium as Ca, mg/l	173	173
Chloride as Cl, mg/l	184	181
Magnesium as Mg, mg/l	288	279
Potassium as K, mg/l	11.6	12.2
Sodium as Na, mg/l	522	521
Sulfate as SO ₄ , mg/l	1,850	2,410
TDS, mg/l	3,800	3,800
Iron as Fe (D), mg/l	<.01	<.01
Manganese as Mn (D), mg/l	0.032	0.041
TSS, mg/l	271	696
Settleable Solids, ml/l	2.1	2.2
Hardness as CaCO ₃ , mg/l	1,640	1,640
Oil & Grease, mg/l	<.5	0.53
Cation, meq/l	55.3	54.5
Anion, meq/l	56.2	55.4


Rex Henderson

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
MAY 22. 1990

Location	Flow (cfs)	Temperature degress C	pH	Conductivity (micromhos)	Dissolved Oxygen (mg/l)
#1 Ivie Ck (upper)	0.9	22	8.4	3800	7.9
#2 Ivie Ck (lower)	1.0	23	8.5	3850	7.9



The CalMat Companies

December 12, 1990

Mr. Lowell P. Braxton
Administrator
Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 250
Salt Lake City, UT 84180-1203

RE: Ivie Creek, Hidden Valley Project
1990 Stream Monitoring Work

Dear Mr. Braxton,

Enclosed are the results of the September 1990 stream monitoring work for Ivie Creek at the Hidden Valley Project. Samples and field measurements were taken on September 22, 1990.

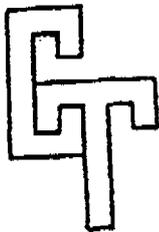
Both the field results, including work sheets and the laboratory results are included here. Site #1 is the upstream monitoring site and is located on the west side of the property. Site #2, the downstream monitoring site, is located just to the east of the property line.

Please contact me if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Lee Edmonson", written in a cursive style.

Lee Edmonson
Region Manager
Planning and Land Management



CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

6100 S. STRATLER
MURRAY, UTAH 84107
(801) 262-7299

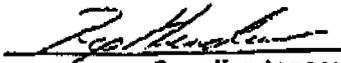
DATE: 10-17-89

TO: JBR Consultants
1952 East Fort Union Blvd. STE 209
Salt Lake City, UT 84121

DATE SUBMITTED: 10-4-89 - CALMAT Hidden Valley, 9-21-89

CERTIFICATE OF ANALYSIS

SAMPLE ID:	#1 UPPER IVIE	#2 LOWER IVIE
LAB:	<u>U045097</u>	<u>U045098</u>
<u>PARAMETER</u>		
Acidity as CaCO ₃ , mg/l	<10	<10
Bicarbonate as HCO ₃ , mg/l	291	282
Carbonate as CO ₃ , mg/l	0	0
Calcium as Ca, mg/l	296	296
Chloride as Cl, mg/l	213	202
Hardness as CaCO ₃ , mg/l	1,550	1,685
Magnesium as Mg, mg/l	204	205
Potassium as K, mg/l	13.6	13.4
Sodium as Na, mg/l	555	550
Sulfate as SO ₄ , mg/l	2,280	2,070
TDS, mg/l	3,860	3,480
Oil & Grease, mg/l	<.5	0.71
Settleable Solids, ml/l	<.1	<.1
TSS, mg/l	158	170
Iron as Fe (D), mg/l	0.072	0.155
Iron as Fe (T), mg/l	3.21	4.40
Manganese as Mn (T), mg/l	0.145	0.138
Cation, meq/l	56.1	55.9
Anion, meq/l	58.2	53.4


Rex Henderson

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
SEPTEMBER 22, 1990

Location	Flow (cfs)	Temperature degress C	pH	Conductivity (micromhos)	Dissolved Oxygen (mg/l)
#1 Ivie Ck (upper)	0.3	15	7.2	3000	7.8
#2 Ivie Ck (lower)	0.3	13	7.9	3100	7.8