

**WESTERN
STATES
MINERALS
CORPORATION** 0037



March 16, 1994

Pamela Grubaugh-Littig
State of Utah
Department of Natural Resources
Division of Oil Gas and Minerals
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

File ACT 10151002 #6

Re: 1993 Annual Report for Western States Minerals Corporation's J.B. King Coal Mine

Dear Ms. Grubaugh-Littig:

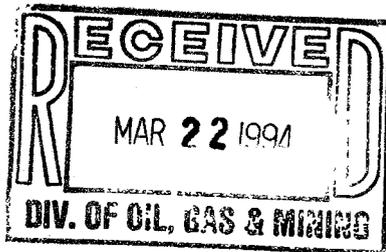
Attached please find the 1993 Annual Report for WSMC's J.B. King Coal Mine located in Emery County, Utah. Included, please find the sediment pond certification and subsidence survey performed by the engineering consulting firm of Hansen, Allen, and Luce, Inc. of Salt Lake City, Utah on January 21, 1994.

If you have any questions please call Buzz Gerick or myself at 702-856-3339.

Sincerely,
Western States Minerals Corporation

Larry D. Berg
Larry D. Berg, P.E.

Attachments;

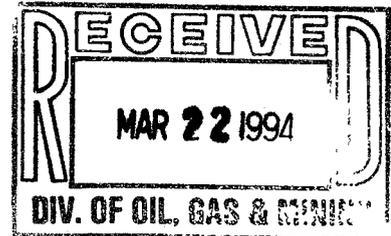


COAL MINING RECLAMATION OPERATIONS FOR 1993

(Must be submitted to the Division by April 15, 1994)

1993 Annual Report

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



Permittee: Western States Minerals Corporation

Mine Name: J.B. King (aka Dog Valley Coal Mine)

Mailing Address: 250 S. Rock Blvd., Suite 130, Reno, NV89502

Company Representative: Edward M. Gerick

Resident Agent: % CT Corp. System
8th Floor, 50 W. Broadway
Salt Lake City, Utah 84101

Permit Number: ACT/015/002

MSHA ID Number: None (Inactive)

Date of Initial Program Permit: March 20, 1981

Date of Permit Renewal: August 13, 1990

Quantity of Coal Mined (tonnage) 1993: None (Inactive)

Attach Updated Mine Sequence Map: None Required, No Mining
(Same as Lease Royalty Payment Map and/or MSHA Progress Map)

J. B. King Mine 1993 Annual Report to UDOGM

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

Comment: Note that all WSMC responses presented in this annual report are underlined.

A. General:

1. Discuss anomalies, missing data and monitoring changes made throughout the year.

Limited monitoring was performed at the J.B. King Mine during 1993. No anomalous readings were observed for the annual subsidence monitoring when compared to data collected during May 1992.

2. Summarize any corrective actions and the results that may have occurred during the year.

The only corrective action performed at the mine site during 1993 was the maintenance of the fencing and the gate along the southern boundary of the disturbed area by Mr. Jim Blackburn, WSMC's maintenance representative. As approved by the Division, all silt fences were removed from the coal refuse pile.

B. Water Monitoring Data:
Groundwater Summary:

1. Mine Discharge: The J.B. King Mine had no discharges in 1993 and monitoring was not required by the existing permit.

2. Springs: No springs are in the vicinity of the J.B. King Mine and thus no monitoring was required by the existing permit.

3. Surface water: All surface water from the disturbed/ reclaimed area of the J. B. King Mine was contained by the existing sedimentation pond. To date the sedimentation pond has not discharged to the surrounding drainage since being constructed. During 1993 the sedimentation pond was not sampled and was usually void of water.

C. Summarize Water Monitoring Data:

1. List monitoring points, locations, and frequencies:
2. UPDES permit number, discharge points, and locations;

J. B. King Mine 1993 Annual Report to UDOGM

3. Summary of findings based on water monitoring during 1993:
4. Submit water monitoring as DOS based files:

WSMC Response: No water sampling was performed at the J.B. King Mine during 1993. WSMC is not required to monitor either surface water or groundwater at the reclaimed J.B. King Coal Mine.

- D. Precipitation or other climatological data (submit as DOS based files):

No meteorological data was collected by WSMC for the J.B. King Mine during 1993. In accordance with Permit # ACT/015/002, WSMC is not required to maintain any precipitation or climatological data for the J.B. King Mine.

- E. Subsidence monitoring report:

1. Brief description of monitoring system (monuments or aerial surveys, how monitoring is done and what frequency.

The subsidence monitoring system consists of a series of 8-subsidence monitoring points (S-1 through S-8) with reference points located at each end of the straight line traverse. A level survey is performed annually to determine the change in vertical displacement from the previous year. The 1993 subsidence survey was performed on January 21, 1994, by the consulting firm of Hansen, Allen, and Luce of Salt Lake City, Utah.

2. List all monitoring points (if any) and their locations and amount of displacement of each;

Presented below are the survey results of the 1993 subsidence monitoring performed on January 21, 1994:

<u>Station:</u>	<u>Recorded 1992 Elevation (ft.)</u>	<u>Recorded 1993 Elevation (ft.)</u>	<u>Elevation Change (ft.)</u>
AA	6517.77	6517.80	+0.03
S1	6513.98	6514.00	+0.02
S2	6504.87	6504.86	-0.01
S3	6496.81	6496.82	+0.01
S4	6489.62	6489.67	+0.05
S5	6484.92	6484.95	+0.04
S6	6488.77	6488.81	+0.04
S7	6497.02	6497.03	+0.01
S8	6501.14	6501.14	0.00

J. B. King Mine 1993 Annual Report to UDOGM

3. Map showing either monitoring points (if any) or a representation of subsidence which has occurred; and

A map depicting the eight subsidence monitoring points is contained in the permit ACT/015/002, labeled J.B. King Subsidence Control DWG 4040-5-5.

4. Any owners and/or occupants of surface property and structures above the underground workings who where or will be mailed notification six months prior to mining (R645-301-525.300).

Not applicable, no mining occurred in 1993 and no mining activity is planned for 1994.

5. Discussion of any proposed mining sequence changes and how that may affect the area of monitoring for the following year.

Not applicable, no mining planned at the present time or in the near future.

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

1. Test plot monitoring data or implementation;

No evaluations of test plot data was performed during 1993.

2. Quantitative results from interim or final seeding efforts;

No quantitative evaluations of interim or final seeding were performed during 1993.

3. If quantitative monitoring was not required, then at a minimum, a qualitative description of the interim or final vegetation; and

All vegetation issues will be addressed in 1994 by Dr. Samuel A. Bamberg, of R.A Consultants of Aurora, Colorado.

4. Describe any seeding done on site during the current year.

No additional seeding was performed during 1993. However, WSMC submitted a comprehensive plan for additional reclamation work on February 18, 1994, that address many of the outstanding reclamation / closure issues outlined by DOGM.

J. B. King Mine 1993 Annual Report to UDOGM

G. Annual Impoundment Certification, (R645-301-514.312) which includes the following information:

The 1993 impoundment certification was performed by the consulting firm of Hansen, Allen, and Luce (HAL) on January 21, 1994. A copy of their field inspection report and certification is attached for DOGM's review. HAL certified that the impoundment is safe and functional.

1. Any appearances of instability;

No apparent instabilities or weaknesses were observed during HAL's inspection of January 21, 1994.

2. Structural weakness or other hazardous conditions;

No apparent structural weaknesses or hazardous conditions were observed by HAL during their inspection of January 21, 1994.

3. Depth and elevation of any impounded waters;

During the 1993 annual inspection performed on January 21, 1994, the sediment impoundment was dry and had no accumulated water.

4. Existing storage capacity;

The existing storage capacity in the sediment pond before any discharge occurs over the spill way is approximately 1,498,230 gallons. During the 1993 Annual inspection Hansen, Allen, and Luce measured the elevation of the deepest point in the pond and determined that this point was approximately 9.45 feet below the spill way. Since no appreciable increase in sedimentation has occurred over the past year, Hansen, Allen, and Luce's sedimentation pond estimate presented in Appendix 8 of WSMC's September 15, 1992, submittal to DOGM is still valid, which calculates that approximately 1.5 million gallons of capacity remain in the pond. During the operational life of the sedimentation pond there have been no discharges over the spillway to the surrounding drainage.

5. Any existing or required monitoring procedures and instrumentation; and

None required:

6. Any other aspects of the structure affecting stability.

(The sedimentation pond was determined to be stable and functional (See attached report))

J. B. King Mine 1993 Annual Report to UDOGM

- H. Annual Overburden, Spoil, Refuse, Roof, Floor, and Mid-Seam Data. For Consistency and completeness, please submit data for this reporting requirement in the following manner: (See UDOGM Form for Details)

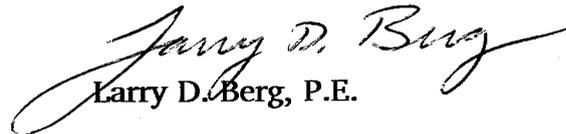
Since no mining occurred on the property during 1993, no data was compiled for overburden, spoil, refuse, roof, floor, and mid-seam data. Note that WSMC submitted a workplan on February 18, 1994, that address the specific concerns identified by UOGM. WSMC has yet to receive any comments from UDOGM regarding the feasibility of this plan which is scheduled to start during the Fall of 1994.

- I. A current copy of the annual report of officers submitted to the Department of Commerce and any changes in ownership and control information required under R645-301-110.

No mining performed in 1993, no report required.

If you have any questions or require further information, please contact me at (702) 856-3339.

Sincerely,
Western States Minerals Corporation


Larry D. Berg, P.E.

Attachments:

**HANSEN
ALLEN
& LUCE Inc**

RECEIVED MAR - 7 1994

SALT LAKE AREA OFFICE
6771 South 900 East
Midvale, Utah 84047
Phone: (801) 566-5599

Mr. Larry Berg
Western States Minerals Corp.
250 South Rock Blvd.
Suite 130
Reno, Nevada 89502

March 2, 1994

Dear Larry:

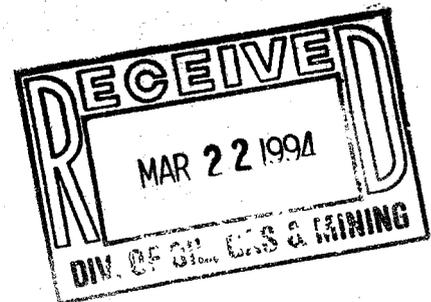
Enclosed are the data for the subsidence survey and the sedimentation pond certification. According to UDOGM the 1993 forms have been sent to WSMC and they were reluctant to send copies of the forms to us. Apparently they prefer that the annual report be submitted by the permittee rather than by a consultant.

Thanks for letting us work with you on this project.

Sincerely,



Barry J. Barnum



J.B. King Mine
Sedimentation Pond Certification

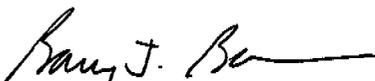
The sedimentation pond at the reclaimed J.B. King Mine site was inspected by Greg Poole and Barry Barnum on January 21, 1994. The site was clear of snow and the pond was dry.

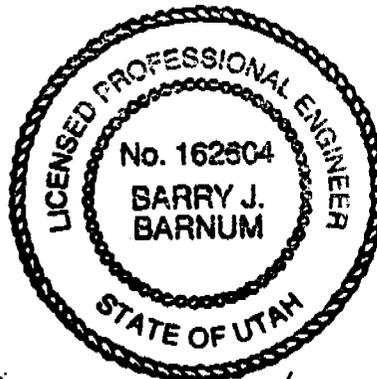
This pond is incised so out slopes do not exist. The inside slopes show no sign of weakness and appear to be stable. Rodents have burrowed into the north east side of the pond but this does not effect the stability or usefulness of the pond. There is inconsequential erosion where the collector ditch now discharges into the pond. It may be beneficial to rework the discharge end of the collector ditch when the pond is cleaned this year.

The depth to sediment in the center of the pond is 9.45 feet below the spillway. This measurement does not agree with the measurement made last year because of differences in reference points on the spillway. It is recommended that a spillway elevation reference point be installed when the pond is cleaned this year. There does not appear to be any increase in the amount of sediment in the pond from last year.

The inlet from the feeder ditch is clear and functional. The spillway has some vegetation but is clear and functional.

I certify that the J.B. King sedimentation pond is safe and functional, and that the above description is an accurate representation of the site conditions as of January 21, 1994.


Barry J. Barnum, P.E.



March 2, 1994

HI 6521.28
READING ELEV

S3 24.53 6496.81
S2 16.45 6504.87
S1 7.305 6513.98
AA 3.51 6517.77

SUMMARY

STATION	ELEVATION		ΔH
CAP	6505.45	Assumed	
S8	6501.14	6501.14	0
S7	6497.02	6497.03	+ 0.01
S6	6488.77	6488.81	+ 0.04
S5	6484.92	6484.95	+ 0.04
S4	6489.62	6489.67	+ 0.05
S3	6496.81	6496.82	+ 0.01
S2	6504.87	6504.86	- 0.01
S1	6513.98	6514.00	+ 0.02
AA	6517.77	6517.80	+ 0.03

A review of the

A review of the latest survey data shows NO significant changes when compared to data from May 93' - LDR

copy.

POND INSPECTION REPORT

POND: Sediment

LOCATION: J B King mine

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>NA</u>
(2) Slope Stability	<u>Good</u>
(3) Erosion	<u>very little</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>NA</u>

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

Jessie B. [Signature]

1/13/94
Date

RECEIVED JAN 18 1994