

**WESTERN
STATES 0040
MINERALS
CORPORATION**



*Susan - FYI,
then file*

RECEIVED

January 14, 1994

JAN 18 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

DIVISION OF
OIL, GAS & MINING

ACT/OIS/002 #6

Re: 1992 Annual Report for Western States Minerals Corporation's J.B. King Coal Mine

Dear Ms. Grubaugh-Littig:

A review of our files revealed that Western States Minerals Corporation (WSMC) did not file a 1992 Annual Report with the Division. Attached please find the 1992 Annual Report for WSMC's J.B. King Coal Mine located in Emery County, Utah. While the Annual Report was not filed as required, the required sediment pond certification and subsidence survey were submitted to your office. WSMC regrets any problems associated the late submittal of this report while attending to other issues regarding the J.B. King Mine.

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 1992

(Must be submitted to the Division by March 31, 199³~~2~~)

1992 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, NV 89502

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: 20 March, 1981

Date of Permit Renewal: 13 August, 1990

Quantity of Coal Mined (tonnage) 1992: None (Inactive)

Attach Updated Mine Sequence Map: None Required, No Mining
(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. Summarized Water Monitoring Data: NONE REQUIRED

- B. Precipitation or other Climatological Data: NONE REQUIRED
- C. Subsidence Monitoring Report:
1. The subsidence monitoring system consists of a series of survey points which are monitored on an annual basis by performing a level survey. The 1992 subsidence survey was initially performed on December 16, 1992. Due to survey error and poor weather, the subsidence survey could not be checked in the field until May 1993. All survey data has been previously submitted to the Division
 2. A list of monitoring points and their respective displacements are included in the attached report.
 3. A table representing annual subsidence occurring is in the attached report.
 4. No current mining.
- D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final).
1. RA Consultant of Aurora, Colorado, performed plant surveys at the J.B. King Mine and submitted their results to the Division in a report dated August 1992.
- E. Annual Impoundment Certification
1. The annual impoundment certification was performed on December 24, 1992, and submitted to the Division in a letter dated January 5, 1993 to Mr. Lowell Braxton.
- F. Annual Overburden, Spoil, Refuse, Roof, Floor, and Mid-Seam Data.
- NONE REQUIRED (NO MINING).
- G. Any Other Information Required to be Submitted as Specific as Specified in Your Permit Application Package and Permit.
1. NOV N91-35-06-1 was issued on November 18, 1991, "for failure to comply with the terms and conditions of the permit. Failure to completely address and satisfy the requirements of permit stipulation R614-301-742.113 (TM) in a timely manner. The NOV N91-35-06-1 was fully abated by removing the silt fences from the subject property in May of 1993 and the sending the Division an up dated version of Map JBK-1 Rev (2).

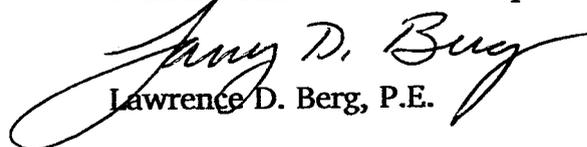
2. NOV N91-35-7-1 was issued November 19, 1991, "for failure to minimize erosion to the extent possible and failure to minimize erosion off the refuse pile." An Erosional Control Plan was submitted by RA Consultants, S.A. Bamberg Ph.D. and Ingrid Hane dated March 1992, to address NOVs N91-35-6-1, N91-35-7-1, and N91-32-6-1. WSMC addressed the abatement of NOV N91-35-7-1 in a submittal to the Division dated September 15, 1992, which was sufficient to abate this NOV as stated in Dr. Dianne R. Nielson's December 7, 1992, letter to WSMC.

3. NOV N91-32-6-1 was issued for "failure to comply with the terms and conditions of the approved permit. Failure to implement and control the Main Feeder Ditch and the Feeder Ditch in accordance with the design criteria specificized in the permit." WSMC submitted a remedial design dated September 26, 1993, which the Division reviewed and requested more specific information. The abatement of this violation was extended to January 17, 1994.

If you have any questions or require further information, please call me at (702)856-3339 and I will gladly assist you.

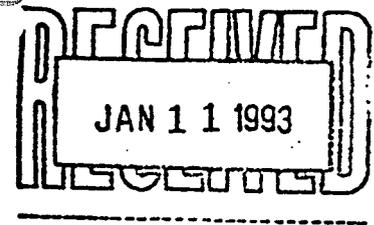
Sincerely,

Western States Minerals Corporation


Lawrence D. Berg, P.E.

Attachments:

1/6



January 5, 1993

Dwight Crossland
Western States Minerals Corp.
P.O. Box 3094
Elko, Nevada 89803

Dear Mr. Crossland:

Enclosed is a copy of the sedimentation pond annual inspection report. I have sent a copy of the report to the Utah Division of Oil Gas and Mining.

My invoice for the certification is also enclosed as you requested. I am working a four day week and have time to do other types of consulting as well, if I can be of any further service please call.

Sincerely,

A handwritten signature in cursive script that reads "Wesley K. Sorensen".

Wesley K. Sorensen, P.E.

WKS:wks

January 5, 1993

Lowell Braxton
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Braxton:

Enclosed is the annual certification report for Western States Minerals Corporation's J.B. King Sediment Pond. The sedimentation pond at the reclaimed mine site is functional and is in good repair as indicated in the attached certification.

This report is being submitted prior to the Annual Report as required by R645-514.

Sincerely,



Wesley K. Sorensen, P.E.

WKS:wks

xc: Dwight Crossland - Western States Minerals Corp.

ANNUAL SEDIMENT POND CERTIFICATION
J.B. KING MINE

An inspection of the sediment pond at the reclaimed J.B. King mine site was made by Wesley K. Sorensen, P.E. on December 24, 1992. There was light snow cover partially covering the site at the time of the inspection. The dam and pond had isolated patches of snow less than an inch in depth. The water in the pond was frozen.

No signs of structural weakness were observed on the incised pond. There is some minor erosion present on the interior of the north slope. These small rills are mainly associated with burrowing rodent dens and are of no significance as far as stability or erosion.

The pond had water impounded to an elevation of 6241.99 ft. This water was frozen and covered with about an inch of snow. The ice was 0.30 ft thick. There is room in the pond for an additional 9.01 ft of water prior to discharging out of the spillway. A small amount of vegetative growth was observed in the spillway rip rap. This growth should not hinder discharge from the pond if a discharge even. should occur.

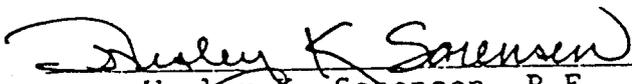
The sediment level in the center of the pond was at an elevation of 6241.69 ft.

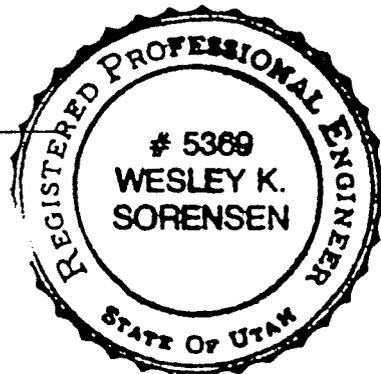
The two inlet channels are functional. The northeast collector ditch to the pond has good vegetative cover on the sides which will help minimize erosion. Depositional deltas are forming in front of both inlet channels. These deltas should not interfere with the function of either of the channels. Small rills, about 6 in deep, are forming above the northeast collector ditch.

The spillway is functional and it good repair. Small amounts of vegetative growth is present in the rip rap. This growth should not hinder a discharge event.

A copy of the field notes is attached.

I certify that the above description accurately represents the condition of the J.B. King Sediment Pond as observed during my inspection of December 24, 1992.


Wesley K. Sorensen, P.E.
Registration No. 5369
State of Utah



ANNUAL SEDIMENT POND INSPECTION
J. B. KING MINE

INSPECTOR Wesley K Sorenson DATE 12/24/92

WEATHER CONDITIONS Clear, Calm ≈ 20°

1. DAM STRUCTURAL WEAKNESS:

A. CRACKS OR SCARPS ON CREST None observed

B. CRACKS OR SCARPS ON SLOPES (INTERIOR/EXTERIOR)
None observed

C. SLOUGHING OR BULGING ON SLOPE
None observed

2. MAJOR EROSION PROBLEMS:

A. SLOPES Minor rilling on south facing slope - ground slugs

B. DIVERSION DITCHES grown in with weeds on north ditch

C. SPILLWAY weeds growing in rip-rap

3. VISIBLE SUMPS OR SINKHOLES IN SLURRY SURFACE:

None ICE ON POND

4. IMPOUNDED WATERS:

DEPTH 0.30 SURFACE ELEVATION 6242.99

6251.00
9.01

6242.99

5. STORAGE CAPACITY:

SEDIMENT ^{ELEV} DEPTH 6242.69 HEIGHT TO SPILLWAY 9.31

^{10'}
6251.00
6242.69

9.31

6. SPILLWAY:

SPILLWAY ELEVATION 6251 FT REFERENCE

SPILLWAY CONDITION Some weeds growing in riprap

5/6

ANNUAL SEDIMENT POND INSPECTION
J. B. KING MINE

7. INLET:

CLOGGING None

EROSION Minor

8. SEEPAGE:

SPECIFY LOCATION, COLOR AND APPROXIMATE VOLUME.

None observed

9. OTHER COMMENTS:

lots of wildlife using area:
deer, elk, cottontails, ground dogs

6/6

INVOICE

Professional engineering services for J.B. King sedimentation pond inspection for 1992 as required by the Utah Division of Oil Gas and Mining:

\$250.00.

Please mail payment to:

Wesley K. Sorensen
P.O. Box 7
Salina, Utah 84654

Social Security Number: 528-80-9234
Terms: Net 15 days

RECEIVED OCT 14 1992

POND INSPECTION REPORT

POND: Sediment

LOCATION: JB King mine

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	NONE
(2) Slope Stability	Good
(3) Erosion	very little
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	1 foot of water in pond

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.

Jim Blackburn

10/6/92

Date

WESTERN
STATES
MINERALS
CORPORATION



14 May, 1993

Ms. P. Grubaugh-Littig, Permit Supervisor
Utah Department of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Re: Annual Subsidence Survey
J.B. King Mine, ACT/015/002

Dear Ms. Grubaugh-Littig:

Attached please find the results of the latest annual subsidence survey measurements as required for Western States Minerals Corporation's J.B. King Mine, ACT/015/002, Folder #2, Emery County, Utah.

I have included a copy of the level calculations, as well as the usual summarizing tabulation - Table I.

Please let me know if you require further information.

Sincerely,

Dwight J. Crossland

cc: Mr. E. Gerick

RECEIVED MAY 17 1993

3 MAY 33

J.B. KING SUBSIDENCE SURVEY

d.j.c.

AA ← S-1

H.P. = .81' H.I. = 4.615'

$\Delta = 3.805'$

$AA = 6,517.81' - 3.805' = \boxed{6,514.01' = S-1}$

S-1 → S-2

H.P. = 12.97' H.I. = 3.825'

$\Delta = 9.145'$

$S-1 = 6,514.01' - 9.145' = \boxed{6,504.86' = S-2}$

S-2 → S-3

H.P. = 12.37' H.I. = 4.333'

$\Delta = 8.037'$

$S-2 = 6,504.86' - 8.037' = \boxed{6,496.82' = S-3}$

S-3 → S-4

H.P. = 12.35' H.I. = 5.126'

$\Delta = 7.154'$

$S-3 = 6,496.82' - 7.154' = \boxed{6,489.67' = S-4}$

S-5 → S-4

H.P. = 0.76' H.I. = 5.479'

$$\Delta = 4.719'$$

$$S-4 = 6,489.67' - 4.719' = \boxed{6,484.95' = S-5}$$

S-5 → S-6

H.P. = 1.62' H.I. = 5.479'

$$\Delta = 3.859'$$

$$S-5 = 6,484.95' + 3.859' = \boxed{6,488.81' = S-6}$$

S-7 → S-6

H.P. = 11.91' H.I. = 3.688'

$$\Delta = 8.223'$$

$$S-6 = 6,488.81' + 8.223' = \boxed{6,497.03' = S-7}$$

S-8 → S-7

H.P. = 9.45' H.I. = 5.342'

$$\Delta = 4.108'$$

$$S-7 = 6,497.03' + 4.108' = \boxed{6,501.14' = S-8}$$

S-8 → CAP

H.P. = 1.03'

H.I. = 5.312'

$\Delta = 4.312'$

$S-8 = 6,501.14 + 4.312' = 6,505.45 = \text{CAP}$

SURVEY DATE - 1 MAY 93

π JK, ϕ JK

SUN - ELKO WILD T-16

CLOUDY (SMS), WINDY, ~70°

METHOD - STD. LEVELS (DIRECT & INVERTED).

14 May, 1993

d.j.c.

Table 1. - J.B. KING MINE SUBSIDENCE MEASUREMENT SUMMARY

STATION	ORIG- INAL	JUNE '83	MAY '84	APRIL '85	JUNE '86	SEPT. '87	SEPT. '88	FEB. '90	SEPT. '90	DEC. '91	MAY '93
A-A	6517.8	6517.77	6517.8	6517.8	6517.8	6517.80	6517.80	6517.8	6517.8	6517.78	6517.80
S-1	6514.0	6514.00	6513.8		6513.9	6514.06	6514.00	6514.0	6514.0	6513.97	6514.00
S-2	6505.9	6504.84	6504.6	6504.8	6504.9	6504.41	6504.59	6504.8	6505.2	6504.82	6504.86
S-3	6501.5	6496.81	6496.9	6496.9	6496.8	6497.11	6497.11	6496.8	6497.3	6496.76	6496.82
S-4	6500.0	6489.63	6489.5	6489.8	6489.7	6490.00	6490.02	6489.5	6490.0	6489.58	6489.67
S-5	6491.0	6484.91	6484.8	6485.1	6484.3	6485.32	6485.29	6484.8	6485.4	6484.85	6484.95
S-6	6496.0	6488.82	6488.6	6489.1	6488.3	6488.91	6489.01	6488.6	6488.5	6488.74	6488.81
S-7	6507.0	6497.00	6496.7	6497.3	6496.9	6497.45	6497.62	6496.9	6496.7	6496.99	6497.03
S-8	6501.2	6501.14	6500.8	6501.6	6501.3	6501.59	6501.61	6501.0	6500.9	6501.12	6501.14
CAP	6505.5	6505.45	6505.5	6505.5	6505.4	6505.45	6505.40	6505.3	6505.2	6505.45	6505.45