

0021

Pam: needs to file  
Route to Tom and Jesse  
New file  
Act/015/004 #6  
mailed 2  
**RECEIVED**  
JAN 08 1992  
DIVISION OF  
OIL GAS & MINING

January 1, 1992

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 for 1991. 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 R614-514.

Sincerely,

Wesley K. Sorensen, P.E.



WKS:wks

xc: Dwight Crossland - Western States Minerals Corp.

*Wesley K. Sorensen, P.E.*  
*Consulting Mining Engineer*  
*P.O. Box 7*  
*Salina, Utah 84654*

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, 1991. There were a few patches of light snow scattered around the site at the time of the inspection. The dam and pond were clear of snow, other than on the ice in the pond.

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 about 4 inches deep.

The pond had water impounded to an elevation of 6243.5 ft. This water was frozen and covered with about an inch of snow. There is room in the pond for an additional 7.5 ft of water prior to discharging out of the spillway. A small amount of vegetative debris was in the spillway rip rap indicating that the pond had discharged sometime this year.

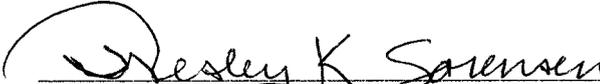
The sediment level in the pond was not measured because of its frozen state. The sediment level in 1990 was 6241.5 ft.

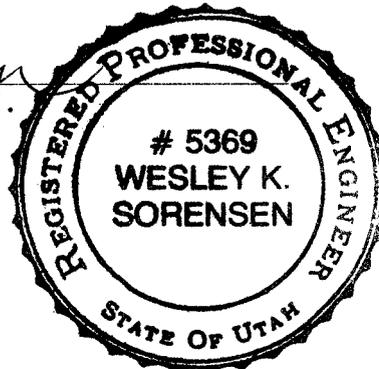
The two inlet channels are functional. Depositional deltas are forming in front of both inlet channels. These deltas should not interfere with the function of either of the channels. Small rills, about 6 in deep, are forming above the northeast collector ditch.

The spillway is functional and it good repair. Small amounts of vegetative debris is present in the rip rap indicating that the pond has discharged.

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, 1991.

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



ANNUAL SEDIMENT POND INSPECTION  
J. B. KING MINE

INSPECTOR Wesley K Sorensen DATE 12/24/91  
WEATHER CONDITIONS Sunny, warm, very light snow  
in patches

1. DAM STRUCTURAL WEAKNESS:

A. CRACKS OR SCARPS ON CREST None

B. CRACKS OR SCARPS ON SLOPES (INTERIOR/EXTERIOR)

None

C. SLOUGHING OR BULGING ON SLOPE

None

2. MAJOR EROSION PROBLEMS:

A. SLOPES Several small gulleys on  
north slope 2-4" deep.

B. DIVERSION DITCHES functional

C. SPILLWAY functional

3. VISIBLE SUMPS OR SINKHOLES IN SLURRY SURFACE:

None. layer of ice in bottom of pond.

4. IMPOUNDED WATERS:

DEPTH 7.5' from spillway SURFACE ELEVATION 6243.5

5. STORAGE CAPACITY:

SEDIMENT DEPTH NOT OBSERVED ICE IN POND  
(6241.5 in 1990) HEIGHT TO SPILLWAY

6. SPILLWAY:

SPILLWAY ELEVATION 6251 FT REFERENCE

SPILLWAY CONDITION Good, Minor debris in rip rap.

ANNUAL SEDIMENT POND INSPECTION  
J. B. KING MINE

7. INLET:

CLOGGING *Small sediment delta in main ditch*

EROSION ~~SP~~ *From east. No significant erosion*

8. SEEPAGE:

*Minor rills above NE collector ditch.*

SPECIFY LOCATION, COLOR AND APPROXIMATE VOLUME.

*None*  
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9. OTHER COMMENTS:

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**WESTERN  
STATES  
MINERALS  
CORPORATION**

RECEIVED

APR 03 1992

DIVISION OF  
OIL GAS & MINING

31 March, 1992

Mr. Lowell P. Braxton  
Associate Director, Mining  
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

Dear Mr. Braxton:

Attached please find the 1991 Annual Report for the J.B. King (aka Dog Valley Coal) Mine of Western States Minerals Corporation, ACT/015/002, located in Emery County, Utah. As you know, J.B. King has long been inactive as far as mining, and is in the late stages of reclamation.

Please let me know if there is any further information you require.

Sincerely,



Dwight J. Crossland

COAL MINING AND RECLAMATION OPERATIONS FOR 1991

(Must be submitted to the Division by March 31, 1992)

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 Mine (aka Dog Valley Coal Mine)

Mailing Address: 250 S. Rock Blvd., Ste. 130, Reno, Nv. 89502

Company Representative: Dwight J. Crossland

Resident Agent: % C T 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) 1991: 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. Precip. 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 running a level survey.
2. A list of monitoring points and their displacements is 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.**

A substantial body of information has been submitted to the division in the past year, including, but not limited to, information addressing Revegetation Success Monitoring, as well as information pertaining to the division suggested change of vegetation reference area. As directed by the division, this data is incorporated herein by reference.

**E. Annual Impoundment Certification**

The annual impoundment certification was performed in December of 1991, and submitted directly to the Division in January, 1992, as required. It is incorporated herein by reference.

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

NONE REQUIRED - NO MINING.

**G. Any Other Information Required to be Submitted as Specified in your Permit Application Package and Permit.**

Stipulation R614-301-120 and R614-301-140 have been responded to and completed. N.O.V. N91-35-2-1 was issued and corrected. Stipulation R614-301-356.100 is under review by the Division, as are the related Stipulation R614-301-742.113 and N.O.V.'s N91-35-6-1, N91-35-7-1, and N91-32-6-1.

Please let me know if there is any further information you require.

Sincerely,

A handwritten signature in cursive script, appearing to read "D. J. Crossland", written over a horizontal line.

Dwight J. Crossland

**WESTERN  
STATES  
MINERALS  
CORPORATION**

20 January, 1992

Ms. Susan White, Biologist  
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. White:

Attached please find the results of the 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,



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Dwight J. Crossland

J. B. KING  
 SUBSIDENCE POINTS  
 METHOD - REG. LEVELS

23 DEC. '91  
 T Jc, φ TEC  
 PARTLY CLOUDY, COLD  
 GUN = WILLARD T-2

A	H.I.	F.S.	INTERCEPT	Δ	ELEV.
SE 1/16 S 32	4.53	<u>S-8</u>	D - 8.86 I - 8.86 > 8.86	- 4.33	6505.45 6501.12
<u>S-7</u>	5.13	S-8	D - 1.02 I - 1.01 > 1.01	- 4.13	6496.99
S-7	4.43	<u>S-6</u>	D - 12.69 I - 12.67 > 12.68	- 8.25	6488.74
S-6	4.97	<u>S-5</u>	D - 8.87 I - 8.85 > 8.86	- 3.89	6484.85
<u>S-4</u>	5.31	S-5	D - 10.05 I - 10.03 > 10.04	+ 4.73	6489.58
<u>S-3</u>	4.98	S-4	D - 12.16 I - 12.17 > 12.16	+ 7.18	6496.76
<u>S-2</u>	4.24	S-3	D - 12.32 I - 12.29 > 12.30	+ 8.06	6504.82
<u>S-1</u>	3.82	S-2	D - 12.98 I - 12.96 > 12.97	+ 9.15	6513.97
S-1	3.82	<u>AA</u>	D - .01 I - .01 > .01	+ 3.81	6517.78

**Table I. - J.B. KING MINE SUBSIDENCE MEASUREMENT SUMMARY**

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