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ACT 10/5/92 #6
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DIVISION OF
OIL GAS & MINING

January 5, 1993

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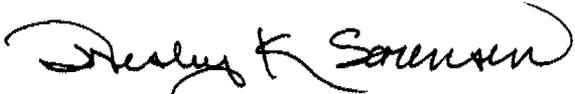
Lowell Braxton
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

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 event should occur.

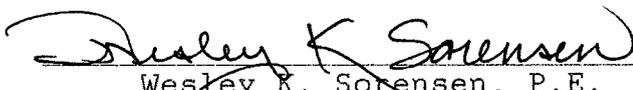
The sediment level in the center of the pond was at an elevation of 6241.69 ft.

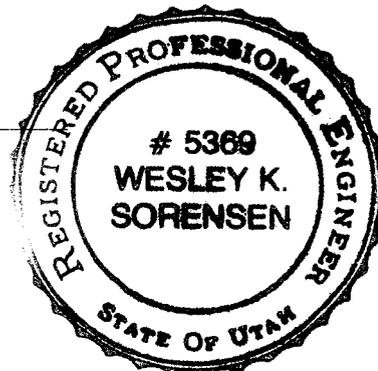
The two inlet channels are functional. The northeast collector ditch to the pond has good vegetative cover on the sides which will help minimize erosion. Depositional deltas are forming in front of both inlet channels. These deltas should not interfere with the function of either of the channels. Small 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 Sorensen DATE 12/24/92

WEATHER CONDITIONS Clear, calm $\approx 20^{\circ}$

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

$$\begin{array}{r} 6251.00 \\ - 9.01 \\ \hline 6242.99 \end{array}$$

5. STORAGE CAPACITY:

SEDIMENT ^{ELEV} DEPTH 6242.69 HEIGHT TO SPILLWAY 9.31

$$\begin{array}{r} 6251.00 \\ - 6242.69 \\ \hline 8.31 \end{array}$$

6. SPILLWAY:

SPILLWAY ELEVATION 6251 FT REFERENCE

SPILLWAY CONDITION Some weeds growing in riprap

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

Mr. Wesley K Sorensen
PO Box 7
Salina UT 84654-0007



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