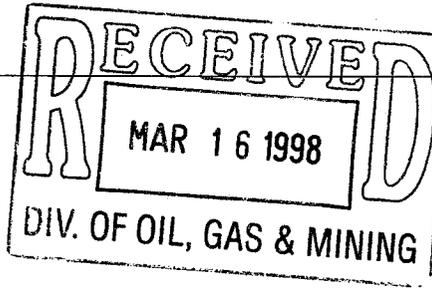


0011

Wesley K. Sorensen, P.E.
[REDACTED]



P.O. Box 7
Salina, UT 84654

March 13, 1998

RE: ANNUAL CERTIFICATION OF SEDIMENT POND AT J. B. KING MINE

Ms. Mary Ann Wright
Division Of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT 84114-5801

Rate to Sorensen SW
file AC 11615/002 #6

Dear Ms. Wright:

Enclosed is the annual certification report for the sedimentation pond at Western States Minerals' J. B. King Mine. This certification is being submitted as required by R645-514.

Sincerely,

Wesley K. Sorensen
Wesley K. Sorensen, P.E.

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**ANNUAL SEDIMENT POND CERTIFICATION
J.B. KING MINE**

The incised sediment pond at the reclaimed J.B. King Mine was inspected by Wesley K. Sorensen, P.E., on March 13, 1998. The area was dry and virtually snow free. The ambient temperature was about 50°F with no wind. The pond had ice and water in the bottom.

No signs of structural weakness were observed on the incised pond. There are several erosion rills running from the northeast collector ditch in a westerly direction into the pond and along the north side of the main collector ditch. These small channels appear to have occurred during high water flow in the area. One rill along the northeast collector ditch has cut through the ditch and has created a shorter route to the pond about 50 feet north of the original northeast collector inlet into the pond. None of these small erosion channels threaten the stability of the pond in any manner. The deepest channel observed was 1.5 ft along the north slope leading into the main diversion ditch. All erosion from the rills ends up in the pond.

A new spillway has been constructed on the western side of the pond. This spillway has an outlet elevation of 6250.5 ft. This spillway was in as constructed condition during the inspection. The old spillway has been back filled.

Ice and water was in the pond at the time of the inspection. The elevation of the ice surface near the center of the pond was 6243.7 ft. The sediment is at an elevation of 6243.2 ft directly below. There is room in the pond for 6.8 ft of water prior to discharging out of the newly constructed spillway.

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 March 13, 1998.


Wesley K. Sorensen, P.E.
Registration No. 159457
State of Utah



ANNUAL SEDIMENT POND INSPECTION
J.B. KING MINE

DATE 3/13/98

INSPECTOR Wesley K Sorensen P.E.

WEATHER CONDITIONS Partly Cloudy, calm 50°F

1. Structural Weakness:

A. Cracks or scarps on crest None observed

B. 1. Cracks or scarps on slopes (interior) None observed

C. Sloughing or bulging on slope None

2. Major Erosion Problems:

- A. Slopes Small erosion rills along NE slope and main inlet ditch. All cut to pond. several 1.5ft deep
- B. Diversion ditches NE ditch cut down into pond 50ft N. of original inlet.
- C. Spillway NEW - Constructed during '97 on west side In as constructed condition

3. Visible Sumps or Sinkholes in Slurry Surface:

Describe None

4. Impounded Waters:

Depth 0.5ft water & ice Surface Elevation 6243.7

5. Storage Capacity:

Sediment Elevation 6243.2 Height to Spillway 7.3 ft

6. Spillway: Spillway Elevation ^{6250.5} 6251 ft (Reference)

Spillway Condition Clear & clean

7. Inlet:

Clogging: Clear

Erosion: Along north bank (rills)

8. Seepage:

Specify location, color and approximate volume.

None

9. Other Comments:

EIK have been bedding on NE slope of pond.