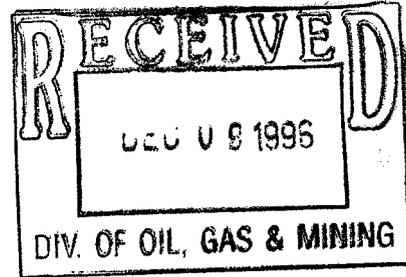
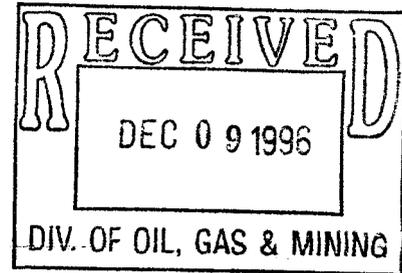


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December 2, 1996

Ms. Mary Ann Wright
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801



Dear Ms. Wright:

Enclosed is the annual certification report for Western States Minerals J.B. King Sedimentation Pond.

This certification is being submitted as required by R645-514.

Sincerely,

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

Wesley K. Sorensen, P.E.

WKS:kb

A:\ANNCERT.LTR

*Routed to Susan, then
file ACT/015/002 #6*

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 November 29, 1996. The area was dry with a trace of snow. The ambient temperature was about 20°F with a 30 mph wind. The pond had vegetation growth in the bottom, and an estimated 2.5 ft of water based on a January 1996 sediment elevation of 6242.1.

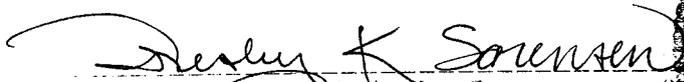
No signs of structural weakness were observed on the incised pond. There are two erosion rills running from the northeast collector ditch in a westerly direction into the pond. These small channels appear to have occurred during high water flow in two areas where vegetative matter has become trapped and allowed sediment to build up in the ditch. The northeast collector ditch has filled with sediment in the lower reaches next to the pond. This ditch should be cleaned out to provide adequate free board and prevent over flow and short circuiting down the bank of the incised pond. There are two areas where this has already occurred. Neither of these small erosion channels threaten the stability of the pond in any manner. All erosion from the rills ends up in the pond.

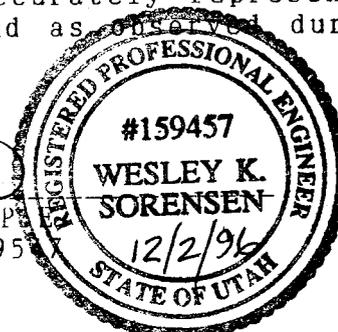
The water in the pond at the time of the inspection was at an elevation of 6244.6. There was ice on the pond, but it was not of sufficient thickness to walk on. The water depth (+ 2 ft) and the softness of the under lying mud precluded wading to the center of the pond. There is room in the pond for 6.4 ft of water prior to discharging out of the spillway.

A small amount of vegetative matter was observed in the spillway riprap. This debris should not hinder discharge from the pond if a discharge event should occur. The undisturbed ditch that the pond discharges into has filled with sediment. It is only 1.26 ft lower than the spillway where the spillway dumps into the ditch. It was reported that a major storm event backed up water from the undisturbed ditch and back fed into the pond during the summer. Debris in the riprap supports this report. Measures to make the spillway more reliable and prevent back feeding should be implemented. These could include cleaning of the undisturbed ditch or relocation of the 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 November 29, 1996.


Wesley K. Sorensen, P.E.
Registration No. 1595



ANNUAL SEDIMENT POND INSPECTION
J.B. KING MINE

DATE 11/29/96

INSPECTOR W.K. Sorensen, P.E.

WEATHER CONDITIONS 20°F 30mph wind cloudy w/ storm

1. Structural Weakness:

A. Cracks or scarps on crest None observed

B. 1. Cracks or scarps on slopes (interior) Minor erosion rills

C. Sloughing or bulging on slope None observed

2. Major Erosion Problems:

A. Slopes Minor on NE side by collector ditch

B. Diversion ditches NE needs to be cleaned

C. Spillway some debris - water into pond from undisturbed ditch only 126 ft drop

3. Visible Sumps or Sinkholes in Slurry Surface:

Describe None observed

4. Impounded Waters:

Depth Est @ 2.5 ft

Surface Elevation 6244.6

5. Storage Capacity:

Sediment Elevation 6242.1?

Height to Spillway _____

6. Spillway: Spillway Elevation 6251 ft (Reference)

Spillway Condition Clear not enough drop to undisturbed ditch

7. Inlet:

Clogging: OK - nothing major

Erosion: Delta forming

8. Seepage:

Specify location, color and approximate volume.

None observed

9. Other Comments:

EIK watering @ pond