

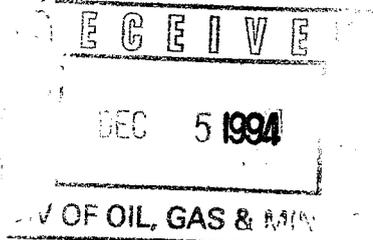
0018

ACT/015/002



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

*Route to Susan, Sun file*



December 2, 1994

*ACT/015/002  
#6*

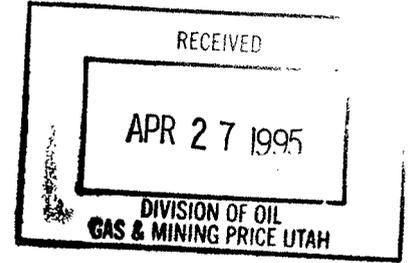
Ms. Pamela Grubaugh-Littig,  
Permit Supervisor  
State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

RE: Annual Report for 1994- J.B. King Mine, ACT/015/002, Folder #2, Emery County, Utah

Please find attached the 1994 Annual reporting requirements for the J.B. King reclaimed minesite. Please let me know if any additional information is required.

Sincerely,

E.M. (Buzz) Gerick  
V.P. Operations



cc: JB King file

1994 Annual Report for the J.B. King reclaimed minesite

**Permittee:** Western States Minerals Corporation

**Mine Name:** J.B. King

**Mailing Address:** 250 South Rock Blvd., Suite 130, Reno, NV. 89502

**Company Representative:** E. M. (Buzz) Gerick

**Resident Agent:** C. T. Corporation System, 175 South Main, Salt Lake City, Utah 84111

**Permit Number:** ACT /015/002

**MSHA ID Number:** Not Applicable - Reclaimed Minesite

**Date of Intial Permanent Program Permit:** 1985

**Date of Permit Renewal:** 1990

**Quantity of Coal Mined (tonnage) 1994:** None - Reclaimed Minesite

1994 Annual Reporting requirements-

Please find the following annual reports from Barry Barnum of Hansen, Allen & Luce Inc. :

1. Sedimentation Pond Certification - performed Nov. 21, 1994
2. Subsidence Survey - performed Nov. 21, 1994

Biological Monitoring-

During 1994, Western States Minerals Corporation (WSMC) contracted with Sam Bamberg, Ph.D of Bamberg Associates to perform a study to determine if ecological and erosional factors on the J.B. King reclaimed minesite are in balance with the natural environmental conditions that exist in the immediate off-site area. This study performed by Dr. Bamberg and his associate is entitled **Ecological Monitoring and Environmental Characterization - J.B. King Mine, Emery County, Utah.** The objective of this monitoring study was to determine the ecological relationships of biological and erosional factors on the site and in nearby areas of similar topographic position off-site. The approach was to measure biological conditions and environmental factors concurrently on the same areas. This study was designed to provided information on the general regional and site specific factors of the climatic and geomorphologic processes that affect vegetation establishment and erosion rates. Quantitative information was gathered by application of linear coupled transects that were permanently marked in the field. The results of this study show the following:

1. The environmental conditions on the reclaimed site have been altered during reclamation such that slopes are reduced, soils are deeper, and erosion is less than that measured off site. Vegetation on the site is stable with trends toward more species native to the region.
2. The size and extent of areas barren of vegetation on the reclaimed site were equivalent to areas off site. However, the site had more recent disturbance and this was reflected in a slightly higher percentage of bare areas.

1994 Annual Report- J.B. King  
December 2, 1994  
Page 2

*Permit Modifications-*

A Permit Amendment, revising the Reclamation Plan, was submitted to the Division on November 28, 1994. The contents of this document is intended to abate NOV's #91-32-6-1 & #93-25-3-1. Field work associated with these specific, proposals included in the Permit Amendment commenced Nov. 21, 1994 (with approval from the Division). It is anticipated that the fieldwork will be completed prior to December 30, 1994.



SALT LAKE AREA OFFICE  
6771 South 900 East  
Midvale, Utah 84047  
Phone: (801) 566-5599

## MEMORANDUM

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**DATE:** November 29, 1994

**TO:** E.M. (Buzz) Gerick  
Vice President Operations  
Western States Minerals Corp.  
250 S. Rock Blvd, Suite 130  
Reno, Nevada 89502

**FROM:** Barry Barnum

**PROJECT:** J.B. King annual sedimentation pond certification and subsidence survey.

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### SEDIMENTATION POND CERTIFICATION

The sedimentation pond at the reclaimed J.B. King Mine site was inspected by Gaylen Cropper and Barry Barnum on November 21, 1994. The pond was dry but there were small patches of snow. The weather was cold and cloudy.

This pond is incised so out slopes do not exist. The inside slopes show no sign of weakness and appear to be stable. There are small animal burrows in the upper north east side of the pond but these do not affect the stability or usefulness of the pond. There is minor erosion where the collector ditch now discharges into the pond but this does not affect the integrity or usefulness of the pond.

The depth to sediment in the approximate center of the pond is 9.09 feet below the spillway compared to a depth of 9.45 feet last year.

The inlet from the feeder ditch is clear and functional. The spillway is vegetated but is clear and functional.

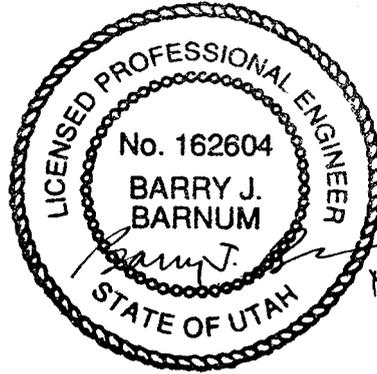
I certify that the J.B. King sedimentation pond is safe and functional, and that the above description is an accurate representation of the site conditions as of November 21, 1994.

E.M. (Buzz) Gerick  
November 29, 1994  
Page 2 of 2

### SUBSIDENCE SURVEY

On November 21, 1994, Gaylen Cropper and Barry Barnum measured the elevations of the J.B. King subsidence markers using a level. The calculation sheets resulting from that survey are attached. The summary sheet compares the measurements from this survey with those of the last survey. The maximum differences between these elevations and those of the last survey were +0.03 and -0.02 feet. These differences are within the tolerances of the previous surveys and indicate that no additional subsidence has occurred since the last survey.

Certified by:



Nov. 29, 1994

PROJECT WESTERN STATES MUD  
 FEATURE SUBSIDENCE  
 PROJECT NO. LEVELING NOTES

SHEET 1 OF 2  
 COMPUTED BSB  
 CHECKED  
 DATE 11/22/94

SET UP

HI	6505.90		6497.64		6503.72		6514.62	
STA	READING	ELEV.	READING	ELEV.	READING	ELEV.	READING	ELEV.
CAP	0.45	6505.45						
S8	4.75	6501.15						
S7	8.87	6497.03	0.61	6497.03				
S6	17.11	6488.79	8.85	6488.79				
S5			12.73	6484.91				
S4			8.04	6489.60	14.12	6489.60		
S3					6.94	6496.78	17.84	6496.78
S2							9.76	6504.86
S1							0.61	6514.01

SUMMARY

<u>STATION</u>	<u>ELEVATIONS</u>		<u>DIFFERENCE</u>
	<u>1/21/94</u>	<u>11/21/94</u>	
CAP	6505.45	6505.45	ASSUMED
S8	6501.14	6501.15	+ 0.01
S7	6497.02	6497.03	+ 0.01
S6	6488.77	6488.79	+ 0.02
S5	6484.92	6484.91	- 0.01
S4	6489.62	6489.60	- 0.02
S3	6496.81	6496.78	- 0.03
S2	6504.87	6504.86	- 0.01
S1	6513.98	6514.01	+ 0.03