

Document Information Form

Mine Number: C/015/002

File Name: Incoming

To: DOGM

From:

Person N/A

Company N/A

Date Sent: October 24, 1994

Explanation:

Additional Boron and Selenium Testing of
J.B. King Samples

cc:

File in: C/015, 002, Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

RECEIVED OCT 24 1994

Mr. E.M. "Buzz" Gerick
 Vice President Operations
 Western States Minerals Corporation
 250 S. Rock Blvd., Suite 130
 Reno, Nevada 89502

October 24, 1994

Re: Additional Boron and Selenium Testing of J.B. King Samples.

Dear Mr. Gerick:

At your request we submitted the last splits of samples taken at the J.B. King site in May of this year to Inter-Mountain Laboratories, Inc. for additional testing for boron and selenium. The results of this testing were received October 11 and are attached.

The following tables show the boron and selenium values of the individual samples as well as the length weighted average concentrations for the channel area and for the refuse material. For locations of the sample sites please refer to the report "Drilling and Sampling Program at the J.B. King Mine", submitted to Western States Minerals Corporation in August 1994.

TABLE 1
 SAMPLE OF MATERIALS IN CHANNEL AREA

Composite #	Length	Boron	Wt. Boron	Selenium	Wt. Selenium
1/12	9'	1.83	16.47	<0.02	<0.02
1/345	12'	0.83	9.96	<0.02	<0.02
2/12	9.5'	0.47	4.47	<0.02	<0.02
2/34	16.5'	2.07	3		
3/123	14'	1.84	2		
4/123	12.5'	1.06	1		
5/12	9'	3.52	3		
5/34	9.25'	2.04	1		
11/12	4.5'	0.62	2.79	<0.02	<0.02
Total	96.25'		157.41		<0.02
Wt. Average			1.6354		<0.02

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- Confidential
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Refer to Record No 0010 Date 10-24-94

In C/ 015, 002, Incoming

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2/12	9.5'	0.47	4.47	<0.02	<0.02
2/34	16.5'	2.07	34.16	<0.02	<0.02
3/123	14'	1.84	25.76	<0.02	<0.02
4/123	12.5'	1.06	13.25	<0.02	<0.02
5/12	9'	3.52	31.68	<0.02	<0.02
5/34	9.25'	2.04	18.87	<0.02	<0.02
11/12	4.5'	0.62	2.79	<0.02	<0.02
Total	96.25'		157.41		<0.02
Wt. Average			1.6354		<0.02

**TABLE 2
SAMPLE OF MATERIAL IN REFUSE PILE**

Composite #	Length	Boron	Wt. Boron	Selenium	Wt. Selenium
6/12	6.5'	1.39	9.04	0.18	1.17
6/34	10'	1.06	10.60	0.28	2.80
6/56	8'	1.02	8.16	0.14	1.12
7/12	6.8'	1.72	11.70	0.14	0.95
7/34	10'	2.25	22.50	0.26	2.60
7/56	9.75'	2.18	21.26	0.06	0.59
8/12	6.4'	1.88	12.03	0.20	1.28
8/34	10'	2.37	23.70	0.16	1.60
8/56	7.75	2.08	16.12	0.06	0.47
9/12	6.75'	1.75	11.81	0.10	0.68
10/123	7.5'	2.98	22.35	0.10	0.75
Total	89.45'		169.27		14.01
Wt. Average			1.8923		0.1566

In June 1994 Dr. Sam Bamberg took two additional samples of soil material adjacent to the J.B. King site. The remaining splits of these samples were also sent to IML and the results of testing are shown in Table 3 below.

**TABLE 3
SAMPLES OF OFF-SITE MATERIALS**

Sample #	Boron	Selenium
Off-site 1	0.32	<0.02
Off-site 2	0.38	<0.02

The results of analyses reported herein plus the results contained in the August 1994 report allow the following conclusions:

- According to the Division's guidelines, as referenced in the 1994 report, the material into which the proposed channels at the J.B. King site might erode is not toxic.
- Also the materials represented by the two off-site samples are not toxic.
- The material contained in the refuse pile exceeds the Division's guidelines for allowable selenium by 0.0566 ppm. All other parameters are in the non-toxic ranges of the guidelines.

If there are any questions, please contact us.

Very truly yours,



Barry J. Barnum



Inter-Mountain Laboratories, Inc.

Sheridan, Wyoming 82801

Tel. (307) 672-8945

1633 Terra Avenue

HANSEN, ALLEN & LUCE
MIDVALE, UTAH

October 6, 1994

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Lab No.	Location	Depths	Boron ppm	Selenium ppm
115717	1/12		1.83	<0.02
115718	1/345		0.83	<0.02
115719	2/12		0.47	<0.02
115720	2/34		2.07	<0.02
115721	3/123		1.84	<0.02
115722	4/123		1.06	<0.02
115723	5/12		3.52	<0.02
115724	5/34		2.04	<0.02
115725	6/12		1.39	0.18
115726	6/34		1.06	0.28
115727	6/56		1.02	0.14
115728	7/12		1.72	0.14
115729	7/34		2.25	0.26
115730	7/56		2.18	0.06
115731	8/12		1.88	0.20
115732	8/34		2.37	0.16
115733	8/56		2.08	0.06
115734	9/12		1.75	0.10
115735	10/123		2.98	0.10
115736	11/12		0.62	<0.02



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Lab No.	Location	Depths	Boron ppm	Selenium ppm
115737	OFFSITE 1		0.32	<0.02
115738	OFFSITE 2		0.38	<0.02