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State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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**TECHNICAL FIELD VISIT**

**Date :** November 25, 1998  
**DOGM Staff:** Robert Davidson  
**Attendants:**  
**RE:** N98-45-4-1, J.B. King Mine, Western States Minerals, ACT/015/002, File #2, Emery County, Utah

**Purpose:**

- Observe ditch repairs and reconstruction efforts for the purpose of terminating N98-45-4-1.

**Background:**

- Notice of Violation N98-45-4-1 was written on 9/23/98 for failure to maintain the north diversion ditch according to plan and failure to control or prevent additional contribution of suspended solids to runoff outside the permit area. As documented in the September inspection report, the north diversion ditch was breached in three separate locations with one breach being major.
- In order to abate NOV#N98-45-4-1, Western States Minerals has submitted information on October 26, 1998 to repair and the breached ditch and provide additional maintenance on the remainder of the ditch. In addition to repairing the ditch, Western States Mineral also proposes to repair the adjacent hillside area south of the ditch.
- An on-site inspection was made on November 17, 1998 to observe work in progress that was proposed by Western States on October 26, 1998 and approved by the Division on November 5, 1998. The November 1998 Inspection report outlines the following:
  - Verbal approval was given for removing the portion of the deteriorated Primary silt fence located along the undisturbed eastern diversion ditch and the top of the refuse pile.
  - Field repairs to the swale located directly south and above the north diversion ditch will divert runoff to the south and southwest
  - Verbal approval was given for not disturbing the hillside above the diversion ditch because it would disrupt established vegetation. Instead, the hillside's upper ridge line surface will be deep gouged to help prevent surface runoff from reaching the side slope.

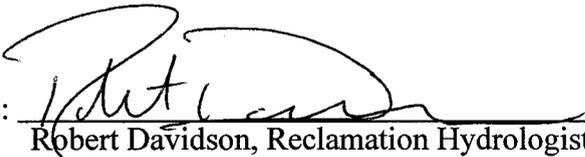
**Observations:**

- The primary site entrance gate was left open giving open access the site and sediment pond.
- Along the north diversion ditch, all three blow outs were repaired in addition to the ditch being reconstructed.

- The lower reaches of the upper ridge line located above the north diversion ditch was gouged and reseeded.
- The disintegrated portion of the primary silt fence along the eastern edge of the refuse pile was removed.
- The subsidence cracks in the upper subsidence area were repaired. Evidence of foam was seen on the ground in one location.

**Recommendations/Conclusions:**

- The main gate was closed and wired shut. A hand written paper sign was attached to the gate that reads as follows: "NOTICE - Water in this pond has flowed across toxic mine tailings. The water may contain toxic substances or acidic materials."
- Based on site maintenance and ditch repairs, NOV N98-45-4-1 was terminated on November 27, 1998 and a recommendation was given to the Division's assessment officer to award the maximum "good faith" assessment points.

Signature:  on November 30, 1998  
Robert Davidson, Reclamation Hydrologist

cc: E.M. (Buzz) Gerick, V. P. Operations, Western States Mineral Corp.  
Mary Ann Wright  
Pam Grubaugh-Littig  
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