

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

December 1, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Gregg A. Galecki, Reclamation Hydrologist III

RE: 2003 Second Quarter Water Monitoring, Savage Industries, Inc., Savage Coal Terminal, C/007/0022-WQ03-2, Task ID #1637

- 1. Was data submitted for all of the MRP required sites?** YES [x] NO []
Identify sites not monitored and reason why, if known:

The MRP was modified in 2002 to indicate water monitoring will be conducted in the 2nd and 4th quarters to avoid any confusion concerning sampling frequency.

- 2. On what date does the MRP require a five-year re-sampling of baseline water data.**
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP dose not have such a requirement.

Re-sampling due date Not Required

- 3. Were all required parameters reported for each site?** YES [] NO [x]
Comments, including identity of monitoring site:

Specific Conductivity for site CV-1-W was reported as >20,000 mohms. This is unacceptable. The Operator needs to get a meter that reads values greater than 20,000 mohms or needs to dilute the sample to get a more accurate reading. The Operator has been notified of this.

- 4. Were irregularities found in the data?** YES [x] NO []
Comments, including identity of monitoring sites:

Water quality analysis varies widely with fluctuations in depth. As an example, since November 2001 Dissolved Magnesium has ranged from 126 – 384 mg/l; Dissolved Sodium from 926 – 3710 mg/l; Bicarbonate from 127 – 458 mg/l; Acidity from <1 – 17 mg/l; Sulfate from 2681 – 11,200 mg/l; and Total Dissolved Solids from 4391 – 14,500 mg/l. Efforts will be made to find the source of with wide variability.

5. Were DMR forms submitted for all required sites?

Identify sites and months not monitored:

1st month, YES [x] NO []
2nd month, YES [x] NO []
3rd month, YES [x] NO []

6. Were all required DMR parameters reported?

YES [x] NO []

Comments, including identity of monitoring sites:

CV-15-W recorded 'No Discharge.'

7. Were irregularities found in the DMR data?

YES [] NO [x]

Comments, including identity of monitoring sites:

CV-15-W recorded 'No Discharge.'

8. Based on your review, what further actions, if any, do you recommend?

No further action is necessary for the 2003 Second Quarter Water Monitoring data.