

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 12, 2004

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Gregg A. Galecki, Reclamation Hydrologist III

RE: 2003 Third Quarter Water Monitoring, Savage Industries, Inc., Savage Coal Terminal, C/007/0022-WQ03-3, Task ID #1725

- 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:

In the 2nd quarter monitoring, 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:

In 2nd quarter 2003, 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. No samples were collected 3rd quarter 2003.

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 []

DMR information has been submitted electronically. September 2003 information was missing, but the Operator has been contacted and commits to submitting the information.

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 Third Quarter Water Monitoring data.