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

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OK

December 18, 2002

TO: Internal File  
THRU: Daron R. Haddock, Permit Supervisor *DRH*  
FROM: Gregg A. Galecki, Reclamation Hydrologist III *GA*  
RE: 2002 Second Quarter Water Monitoring, Savage Industries, Inc., Savage Coal Terminal, C/007/022-WQ02-2

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

With the exception of the UPDES site that is monitored monthly, the other water monitoring sites are monitored on a semi-annual basis. Sampling that has traditionally been conducted during the 2<sup>nd</sup> quarter was not conducted. To avoid a hinderance violation, the Permittee submitted an amendment their MRP to better define 'semi-annual' sampling. The MRP was modified to indicate water monitoring will be conducted in the 2<sup>nd</sup> and 4<sup>th</sup> quarters to avoid any clarity issues.

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:*

No samples were collected. See item #1 (above) for details.

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

The following irregularities will need to be checked next quarter when a sample is collected. Well CV-1-W, the only non-UPDES water monitoring site, showed irregularities in the submitted lab data. The Ionic balance was - 7%, pH was an all time low of 6.34, and the Chloride, Sulfate, and Total Dissolved Solids values all illustrated historically high values. These values will continue to be monitored in the future to observe any trends.

**5. Were DMR forms submitted for all required sites?**

*Identify sites and months not monitored:*

1<sup>st</sup> month, YES [ x ] NO [ ]  
2<sup>nd</sup> month, YES [ x ] NO [ ]  
3<sup>rd</sup> 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 2002 Second Quarter Water Monitoring data. However, to fulfill the 'semi-annual' water monitoring requirement, sampling will need to be conducted in the 3<sup>rd</sup> and 4<sup>th</sup> quarters.