

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 First Quarter Water Monitoring, Canyon Fuel Company, LLC, Dugout Mine, C/007/0039-WQ03-1, Task ID #143

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

- 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

Baseline sampling was conducted at the required sites during the 3rd quarter 2002.

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

Of the 25 total samples required for sampling, 14 sites had 'No Access' due to winter snowpack conditions. These 14 sites are historically inaccessible during the 1st quarter. It is recommended that they be taken off the sampling frequency in the 1st quarter.

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

Water quality in MD-1 (Old Gilson) seam has changed significantly since spring 2002 when they started pumping the old workings. Dissolved Magnesium, Dissolved Sodium, Chloride, Sulfate and TDS have all increased since pumping began. However, flow is often reduced significantly since the site was primarily thought to be recharged from the old mine workings.

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:

7. Were irregularities found in the DMR data?

YES [] NO [x]

Comments, including identity of monitoring sites:

UPDES site 001 (Mine Discharge) discharged on March 6, 2003. Flow was documented at approximately 60 gpm and Total Dissolved Solids was 1940 mg/l, equaling a daily discharge total of 1,386 lbs/day. No exceedance was documented. No other discharges were recorded during the quarter.

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

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