

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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February 10, 2004

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Gregg A. Galecki, Reclamation Specialist III

RE: 2002 First Quarter Water Monitoring, Canyon Fuel Company, LLC, Skyline Mine, C/007/0005-WQ02-1, Task ID #1364

**1. Was data submitted for all of the MRP required sites?** YES [ x ] NO [ ]

*Identify sites not monitored and reason why, if known:*

Of the eleven (11) samples included in the 'Winter' sampling frequency, three (3) sites had no access and one (1) site had no flow. No wells or springs are monitored during the 'Winter sampling' only selected streams and in-mine roof drippers. Sampling was conducted primarily at the end of February 2002.

**2. On what date does the MRP require a five-year resampling of baseline water data.**

*Renewal of the permit is April 30, 2002. The MRP makes no commitment to sampling baseline water parameters one year prior to the renewal date. No baseline parameters are even outlined. Operational parameters are the only parameters ever collected.*

Permit Renewal date 30Apr02

**3. Were all required parameters reported for each site?** YES [ x ] NO [ ]

**4. Were irregularities found in the data?** YES [ x ] NO [ ]

Anomalous values from last quarter were back to normal this quarter.  
No other irregularities were noted in the streams sampled.

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

1<sup>st</sup> month, YES [ x ] NO [ ]  
2<sup>nd</sup> month, YES [ x ] NO [ ]  
3<sup>rd</sup> month, YES [ x ] NO [ ]

All DMR information was submitted electronically.

**6. Were all required DMR parameters reported?** YES [ x ] NO [ ]

No flow conditions existed at the Loadout and Waste Rock facilities. Continuous discharge conditions existed from the Portal Area Discharge point.

**7. Were irregularities found in the DMR data?** YES [ x ] NO [ ]

Exceedances were reported for all three (3) months (Jan-Mar) for the Total Dissolved Solids (TDS) maximum daily load of 7.1 tons/day. Discharge flows averaged approximately 8,000 gpm in January, 6,350 gpm in February, and 7,150 gpm in March (a 239% increase from 2nd quarter 2001). TDS values averaged approximately under 500 mg/l creating a daily load of approximately 20.78-, 14.41-, and 18.07 tons /day TDS (respectively). Skyline Mine is working with DWQ to modify their permit to consider the TDS values on an mg/l basis instead of tons per day limit. Based on the Colorado Salinity Forum, a daily tons limit may be omitted if the TDS in mg/l remains below 500 mg/l. This will continue to be monitored.

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

No further action is necessary for the 2002 02-1 (1<sup>st</sup>) Quarter Water Monitoring data.