

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 28, 2005

OK

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: Steve Fluke, Reclamation Hydrogeologist
SF

RE: 2005 Second Quarter Water Monitoring, Canyon Fuel Company,
Soldier Canyon Mine, C/007/0018-WQ05-2, Task ID #2518

The Soldier Canyon Mine has been in temporary cessation since 1998. Because the mine has not been active for over one year, water monitoring has been discontinued at all but five locations until the mine becomes active again. Water monitoring data is evaluated from the data that is submitted quarterly by the mine to the Division electronic data input (EDI) database. The water monitoring program, field and laboratory measurement protocols, and groundwater and surface water operational water quality parameters are outlined in the mine's MRP in Tables 7.31-1, 7.31-2, 7.31-3, and 7.31-4. UPDES reporting requirements are presented in Table 5.26-2 in Chapter 5 of the MRP.

1. Was data submitted for all required monitoring sites? YES [X] NO []

Surface *Sampling during temporary cessation is required quarterly for only two stream monitoring sites (G-5 and G-6). For stream sites G-6 and G-7, flow measurements are to be taken weekly between April 1 and August 31 during the first wet year and the first dry year. Additionally, semi-annual water quality field measurements, operational laboratory measurements and ³H measurements are to be taken during a wet and dry year for these sites. Dry and wet years are based on the Natural Resources Conservation Service (NRCS) snow pack measurements as of March 1 for the Price River-San Rafael River Basins that are <70 and >110 percent of normal, respectively.*

NRCS snow pack measurements as of March 1, 2005 for the Price-San Rafael Basins is reported as 107% of average (calculated between 1971 and 2000). No additional sampling is required. Both required surface monitoring sites were sampled and data submitted for the 2005 second quarter monitoring.

Groundwater and Wells *Sampling during temporary cessation is not required for any spring monitoring or groundwater well monitoring sites. For spring sites 5 (CC-53), 10, 23 (CC-36), and 24 (CC-40), flow measurements are to be taken weekly between April 1 and August 31 during the first wet year and the first dry year. Additionally, semi-annual water quality field measurements, operational laboratory measurements and ³H measurements are to be taken during a wet and dry year for these sites. Dry and wet years are based on the Natural Resources Conservation Service (NRCS) snow pack measurements as of March 1 for the Price River-San Rafael River Basins that are <70 and >110 percent of normal, respectively.*

No groundwater or well monitoring is required for the 2005 second quarter monitoring. NRCS snow pack measurements as of March 1, 2005 for the Price-San Rafael Basins is reported as 107% of average (calculated between 1971 and 2000). No additional sampling is required.

UPDES *Sampling during temporary cessation is required monthly for three active UPDES sites (UT0023680-001, -002, and -003). Outflows 001 and 003 are for mine water discharge at site MW-1 and MW-2, respectively, and outflow 002 is for the sedimentation pond discharge.*

Data was submitted for all three UPDES sites. No discharge was reported for all three months of the 2005 second quarter monitoring.

2. Were all required parameters reported for each site? YES [X] NO []

Surface All required parameters were reported for stream monitoring site G-5 and G-6.

Groundwater and Wells NA

UPDES No flow was reported for all three UPDES outflows for all three months.

3. Were any irregularities found in the data? YES [] NO [X]

Surface No irregularities found.

Groundwater and Wells NA

UPDES No flow was reported for all three UPDES outflows for all three months.

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

