

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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February 4, 2004

TO: Internal File

THRU: Daron Haddock, Permit Supervisor

FROM: David Darby, Senior Reclamation Specialist

RE: 2002 Second Quarter Water Monitoring, Consolidation Coal Company, Emery Deep Mine, C/015/0015-WQ02-2, Task ID #78

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

Information for this report was evaluated from file; 0:\015015.eme\Water Quality\Datacheck2002.xls.

Missing samples:

Springs All monitored for second quarter  
Streams Sites 1a  
Wells SM1-4  
UPDES All monitored for second.

- 2. On what date does the MRP require a five-year resampling 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 does not have such a requirement.

**Resampling due date** \_\_\_\_\_

**Plan does not specify.**

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

Springs No monitoring required.  
Wells Missing parameters as identified in Section 1, also there is missing data for the SM1-2, SM1-4, Lewis and Kemmer Wells. Several of the wells do not show water level data, however it looks as if the real depth data was logged in under the 'Water Levels' column.  
Streams As identified in Section 1. Oil and Grease parameters were not reported.  
  
Streams No data reported for Site 1A.

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

Missing data as identified in Section 1, also there are several sites identified with bad Conductivity data under Stream and Well monitoring worksheets. Several of the sites in the same worksheets also show bad TDS/Conductivity ratios.

**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 [ ]  
*Identify sites and months not monitored:*

**6. Were all required DMR parameters reported?** YES [ ] NO [X]  
*Comments, including identity of monitoring site:*

Oil and grease was not reported for some of the sites. Site 001 did not have TDS and Iron reported for April.

**7. Were irregularities found in the DMR data?** YES [X] NO [ ]  
*Comments, including identity of monitoring site:*

**As identified in Sections 1 and 6.**

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

I have sent a copy of the data file to Steve Demczak and James Byars so they know what data is missing and hopefully submit it to the database. The data that is missing in the data file is identified by red highlighted areas of the table where the data should be. The color chart on the bottom of each worksheet identify the problem data.

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