

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 14, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Dana Dean, P.E., Senior Reclamation Hydrologist

RE: 2000 Fourth Quarter Water Monitoring, Plateau Mining Corporation, Willow Creek Mine, C/007/0038-WQ00-4, Task ID #1118

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

The Permittee did not submit required samples for sites B361 (Oct.), B151 (Nov.), or B211 (Dec.). They reported "No Access" at sites B241 and B131.

- 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

The MRP has a commitment to resample for baseline parameters in 2000 (the year prior to permit renewal).

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

The operator did not submit nitrate data for sites B41, B71, B161, B22-1, B271, B321, B341, B342, B3N, B5, B6, B151, B211, B263, B353, or BN221.

4. Were irregularities found in the data? YES NO

Comments, including identity of monitoring site:

Several parameters fell outside of two standard deviations from the mean. They were:

SITE	PARAMETER	VALUE	MEAN	DEVIATIONS FROM MEAN
B161	Total alkalinity	1184 mg/l	1055.13 mg/l	2.10
B22-1	Sulfate	242 mg/l	310.63 mg/l	2.24
B271	Sulfate	56 mg/l	33.51 mg/l	2.54
B321	Sulfate	341 mg/l	446.23 mg/l	2.15
BN221	Total hardness	412 mg/l	334.25 mg/l	2.03

The cation-anion balance was 5.03% at B271 and 9.5% at B341.

5. Were DMR forms submitted for all required sites?

1st month, YES NO
 2nd month, YES NO
 3rd month, YES NO

No DMR's were available for the quarter.

6. Were all required DMR parameters reported? YES NO

Comments, including identity of monitoring site:

No DMR's were available for the quarter.

7. Were irregularities found in the DMR data? YES NO

Comments, including identity of monitoring site:

No DMR's were available for the quarter.

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

No further actions are necessary at this time. The missing samples were most likely submitted and/or reviewed during complete inspections at the time, however they did not get into the database or the Division's files. Due to the lapse of time, and personnel and other changes at the mine, the Permittee is unable to locate the missing data now. If the Permittee locates the data, they will submit it to the database.