

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 8, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

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

RE: 1999 Fourth Quarter Water Monitoring, Plateau Mining Corporation, Willow Creek Mine, C/007/0038-WQ99-4, Task ID #956

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

The operator reported "No Access" at sites B241, B131, and B151 (Dec.).

- 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:*

All lab samples were missing lab pH and lab conductivity. Sites B263, B353, and BN221 were also missing dissolved oxygen.

4. Were irregularities found in the data? YES NO

Comments, including identity of monitoring site:

The water temperature reading at Site B71 (2 deg. C) was 2.52 standard deviations from the mean of 9.60 deg. C. At site B321, dissolved potassium (341 mg/l) was 2.15 standard deviations from the mean of 446.23 mg/l. The conductivity reading at site B3N for November (1384 μ mhos/cm) was 2.41 standard deviations from the mean of 876.73 μ mhos/cm. The depth reading at site B331 (654.79 ft.) was 2.39 standard deviations from the mean of 659.51 ft.

5. Were DMR forms submitted for all required sites?

1 st month,	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
2 nd month,	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
3 rd month,	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

6. Were all required DMR parameters reported? YES NO

Comments, including identity of monitoring site:

All DMR's reported "No Flow."

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

Comments, including identity of monitoring site:

All DMR's reported "No Flow."

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.