

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

May 11, 2007

TO: Internal File

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

FROM: David W. Darby, Senior Reclamation Specialist/Hydrology *DWD*

RE: 2006, 3rd Quarter Water Monitoring, Plateau Mining Corporation (PMC), Willow Creek Mine, C/007/0038-WQ06-3, Task ID #2623

The Willow Creek Mine is in reclamation. The mines have been closed and sealed. The disturbed areas around the portals have been regraded to AOC and seeded. The most recent surface operations took place in Willow Creek Canyon, about a mile from the junction between U.S. Highway 6 and State Highway 191. The reclaimed area in Crandall Canyon is also part of the Willow Creek permit area.

This report was prepared based on information in File: O:\007038.WIL\Water Quality\datacheck2006-2007(1).xls. There are no ground water sites monitored during reclamation the phase.

**1. Was data submitted for all of required sites?**

Under the reclamation plan, surface water monitoring is required for sites listed in Exhibit 7-3 and shown on Map 15.

**Springs** There are no springs monitored for reclamation.

YES [ ] NO [ ] NA

**Streams** There are six surface water monitoring sites. Sites B3N (Willow Creek above power plant), B-5 (Price River below processing plant above Willow Creek), B-6 (Price River above coal processing plant), B25 (Crandall Canyon Creek), B26 (lower reach of Crandall Canyon) and B151. The reclamation sampling water quality list is presented in Section 13, p. 28. Sampling is conducted quarterly. PMC tries to monitor the sites within a two week period from March 15<sup>th</sup>, June 10<sup>th</sup>, September 5<sup>th</sup> and November 30<sup>th</sup> to attempt to collect data that coincides with first thaw, Spring high flow, end of Summer low-flow and last sample before freeze-up.

**YES [X] NO [ ]** All required stream sites were reported for the quarter. They were monitored on September 15th and 26th.

**Wells** There are no operational monitoring wells.

**YES [ ] NO [ ] N/A**

**UPDES** One UPDES site, Pond UTG040012-001, is monitored monthly for discharge to Willow Creek. It is monitored in accordance with UPDES requirements.

**YES [X] NO [ ]** No discharge from the pond.

**2. Were all required parameters reported for each site?**

**Springs** YES [ ] NO [ ] NA

**Streams** YES [X] NO [ ] B-25 and B-26 reported no flow. PMC is reporting many more parameters than required.

**Wells** YES [ ] NO [ ] NA

**UPDES** YES [X] NO [ ] There was no discharge from sedimentation pond 001, thus no sampling.

**3. Were irregularities found in the data?**

**Springs** YES [ ] NO [ ] NA

**Streams** YES [ ] NO [X] The flows and water quality on Willow Creek and Price River at the sites above and below the minesite are almost identical.

**Wells** YES [ ] NO [ ] NA

**UPDES** YES [ ] NO [X]

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

Not specified in MRP. It should be updated at Mid-term or Five Year Renewal.

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

None

**Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? [ ] Yes [X] No**

**6. Follow-up from last quarter, if necessary.**

**Did the Mine Operator submit all the missing and/or irregular data (datum)?**

None required.