

WATER QUALITY MEMORANDUM

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Utah Coal Regulatory Program

April 28, 2009

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 05/04/09*

FROM: April A. Abate, Environmental Scientist II *AAA 4-28-09*

SUBJECT: 2006 Third Quarter Water Monitoring, Andalex Resources, Centennial Mine, C/007/0019, Task ID #3169

The Centennial Mine is currently in temporary cessation. No mining or coal processing activities currently take place there, nor is the site in active reclamation.

The Division is attempting to get caught up with water quality reporting from past quarters. Therefore, the data described within follows the water monitoring plan in the MRP previously located in Sections 711.300 pages 7-2 through 7-10 and Appendix L. Water sampling locations are shown on Figure IV-11.

1. Were data submitted for all of the MRP required sites?

Springs YES NO

All six stream sites were monitored in accordance with the water monitoring plan.

Streams YES NO

All 12 stream sites were monitored in accordance with the water monitoring plan.

Wells YES NO

Well #1 was monitored during the third quarter of 2006.

UPDES YES NO

All UPDES locations were monitored monthly in accordance with the permit.

Pond YES NO

The stock watering pond, 31-1 sampling location was monitored during the third quarter of 2006.

2. Were all required parameters reported for each site?

Springs and Pond YES NO

B351 and S18-1 were the only springs reporting flow this quarter. All required parameters were analyzed for this quarter.

Streams YES NO

The only stream sample that reported flow was Summit Creek (SC-1). All required sampling parameters were monitored during third quarter 2006

Wells YES NO

Water was measured at a depth of 74.2 feet below ground surface. All other required parameters from this well were measured this quarter.

UPDES YES NO

UPDES point UTG040008-004 was the only sample location reporting flow this quarter. All required parameters were measured.

Pond YES NO

The stock watering pond was less than ¼ full this quarter with no outflow reported.

3. Were any irregularities found in the data?

Springs YES NO

Streams YES NO

Wells YES NO

UPDES YES NO

Total dissolved solids (TDS) values averaged 1,580 mg/L for UPDES sample 004 this quarter. The 30-day average discharge limitation under the mine UPDES Permit is 500 mg/L. However, the permit indicates that if each outfall cannot achieve a 30-day TDS average of 500 mg/L, then the Permittee is limited to one ton (2,000 lbs) per day as the sum from all outfalls. The Permittee is well within these requirements.

Pond

YES NO

Not applicable this quarter.

- 4. Did the Permittee make a timely submittal of all data, including initially missing data, and satisfactorily explain irregular data?** YES NO

This does not apply since the data was submitted over two years ago.

- 5. Does the Mine Permittee need to submit more information to fulfill this quarter's monitoring requirements?** YES NO

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

No actions are recommended since these data are over two years old.

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

None.