

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 3, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Second Quarter Water Monitoring, Andalex Resources, Inc., Centennial Project, C/007/0019, Task ID # 2302

The monitoring plan is described in Section R645-301-711.300 of the MRP. Monitoring sites are shown on Figure IV-11. Reports for many monitoring sites are typically no-flow.

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

Springs	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Pond	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

2. Were all required parameters reported for each site?

Springs	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

UPDES YES NO
Pond YES NO

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations: “n” is the number of values used to calculate the standard deviation in the Division’s database. An asterisk (*) indicates this is not a parameter required by the MRP.

Springs YES NO
S18-1 K (n = 11) and Na (n = 10).

B351 Flow (n = 20).

Streams YES NO

B263 Flow (n = 14), water temperature (n = 11), Mg (n = 11), and Ca (n = 11).

Wells YES NO

Well #1 TSS (n = 32) and NO3 (n = 12)

UPDES YES NO

Pond YES NO

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

The Permittee has committed to sampling baseline water parameters one year prior to the renewal date. The next renewal submittal is due 09/04/2006 for renewal on 04/04/2007, so baseline sampling and analysis are to be done in 2006.

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

Since September 1998, the water depth in Well #1 has dropped but now appears stable at 72 to 76 feet. This condition will continue to be tracked.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? YES NO

7. Follow-up from last quarter (1st Qtr 2005), if necessary. YES NO

NA

8. Did the Mine Operator respond adequately to queries about missing or irregular data? YES NO

NA