



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 17, 2001

TO: **Internal File**

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: Gregg A. Galecki, Reclamation Specialist *GAG*

RE: 2000 Third Quarter Water Monitoring, Andalex Resources, Inc., Centennial Project, C/007/019-WQ00-3

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

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

During the year preceding each repermitting action: one sample for baseline analysis at high and one at low flow for surface-monitoring sites, and one at low flow for ground-water monitoring sites. Next renewal submittal due 09/04/01, for renewal on 04/04/02.

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

Total Manganese was not sampled at well site S18-1.

4. **Were irregularities found in the data?** YES [X] NO []
Comments, including identity of monitoring site:

A review of the available data from 99-1 through 00-3 was conducted. At well S18-1 Specific Conductivity, TDS, and SO₄ is trending downward; 4210 to 3810, 2937 to 2632, and 1300 to 918, respectively. In addition, Total Manganese was not analyzed.

At Well #1a review of the data available during the same time period was conducted. The reported TDS during 00-3 is approximately 10 percent of the anticipated value at 251 mg/l. The Total Fe is at high levels at 12.5 mg/l; this may be attributed to Fe casing in the well. This will be determined through the operator. Another parameter to continue to monitor is SO4 which has increased from 527 to 912 mg/l.

5. Were DMR forms submitted for all required sites?

1st month, YES [x] NO []
2nd month, YES [x] NO []
3rd month, YES [x] NO []

Identify sites and months not monitored:

UT0040008 001 through 004 were the DMR's reviewed; No Discharge was reported at all sites.

6. Were all required DMR parameters reported?

YES [x] NO []

Comments, including identity of monitoring site:

No Discharge was reported.

7. Were irregularities found in the DMR data?

YES [] NO [x]

Comments, including identity of monitoring site:

UT0040008 001 through 004 were reviewed; No Discharge was reported at all sites.

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

No further action is necessary. The operator will be contacted to inquire whether the sample still exists and can be run for Total Manganese (it is still within the required holding time), and check on the reported TDS. The operator will also be notified of the trending parameters.