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March 8, 1989

TO: Richard V. Smith, Acting Permit Supervisor
FROM: Darin Worden, Reclamation Hydrologist *DW*
RE: Review of Surface Water Monitoring Data, Andalex Resources, Inc., Wildcat Loadout Facility, ACT/007/033, Folder #2 and 7, Carbon County, Utah

Synopsis

Andalex Resources, Inc. submitted on March 1, 1989, Third and Fourth Quarter Wildcat Loadout Facility Surface Water Quality Reports to the Division. This memo reviews this report.

Analysis

The operator must supply the Division with quarterly baseline surface water quality reports complying with Table IV-10, Chapter IV, Part K, Section 8, page 128 of the Mining and Reclamation Plan (MRP). Table IV-10 gives a complete listing of baseline parameters.

The operator has not complied with this list.

The following parameters were not tested at all sites during the Third Quarter ephemeral flow sampling.

1. Field measurements:
 - a. Flow
 - b. pH
 - c. Specific conductivity
 - d. Temperature

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2. Lab measurements:

- a. Settleable solids
- b. Aluminum (Al)
- c. Arsenic (As)
- d. Carbonate (CO_3^{-2}) was listed as alkalinity
Carbonate (CaCO_3)
- e. Nickel (Ni)
- f. Nitrate (NO_2)
- g. Phosphorus as (PO_4^{-3}) was listed as total
phosphorus in the Third Quarter report
- h. Sulfide (S^-)
- i. Oil and Grease
- j. Cation-Anion Balance

Recommendation

Inform the operator of these discrepancies. If the operator does not follow Table IV-10 (page 128) and sample the parameters listed in this table, then a violation will be issued following review of any future data.

djh
AT30/1-2