

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Manti-LaSal NF

REPLY TO: 2820 Leases and Permits

March 28, 1980

SUBJECT: Meeting Notes, FS, OSM, DOGM and Valley Camp of
Utah, Hydrologic Monitoring Base Data Review

TO: Forest Supervisor



On March 19, 1980, a meeting was held in the FS Office to discuss the Valley Camps Hydrologic Inventory and baseline data for their Belina Mine. Attached is a list of those attending.

A copy of the data is in the Minerals files.

Topics that were discussed:

1. Maps and displays for the data.
 - a. Maps scales should be consistent.
 - b. Maps should be prepared in such a way that related parameter could be on same map i.e. either by overlays or repetition of drawings.
 - c. Maps should have Utah State Coordinate system.
 - d. All points, bench marks, monitor stations, springs and etc. should have established coordinates and elevations. Most can be photogrammetrically determined.
 - e. Readings, analysis, flows and etc. should be in table form or graphically shown as much as possible.
 - f. A map of the mine workings will be furnished.
 - g. Valley Camp will provide the Forest Service with a Mylar base map.
2. Base data. It was agreed that the base data to this point was generally well presented and is complete to this time. It was recognized that base data will continue to be added as it becomes available.

3. The FS will review their data on vegetative and wildlife studies and prepare maps of these. Included will be:
 - a. Vegetative study plots. Will review and determine if what we have is sufficient or will recommend additional plots and locations. Will assemble data from study of plots.
 - b. Timber studies and Inventories for mine areas need to be assembled.
 - c. Wildlife studies for mine and affected areas.
 1. Summer Range
 2. Winter Range
 3. Migration Routes
 4. Calving and Fawning areas
 5. Critical Areas
 6. Critical water locations or sources
 - d. Range.
 1. Program for area
 2. Condition of
 3. Critical water locations or sources
 4. Trails
4. The water monitor points presented by the Hydrologic Monitor plan could not be evaluated in regards to management needs. This was because FS and State have not identified their monitor needs.
 - a. FS will define those water sources, springs, seeps or streams critical to surface resource management. They will also, in cooperation with the State, define those water sources having existing rights. These data along with those of Valley Camps should establish the water sources to be monitored.
 - b. The monitor procedures such as frequency, number of samples and tests are presented in the plan and appear to be adequate. These procedures should be evaluated as data are accumulated and adjusted according to needs.
5. Monitor points must have access. The FS must look at permanent access to monitor points.



FRED THOMPSON
Geologist

Enclosure

March 19, 1980

Valley Camp Subsidence - Hydrologic Monitoring

Forest Office - Bill's Office

William Boley

USFS - Price

George Chadwick

Vaughn Hansen Associates - SLC

Vaughn E. Hansen

Vaughn Hansen Associates - SLC

W. H. Haynes, Jr.

Valley Camp of Utah, Inc.

Fred Thompson

USFS - Price

John Nadolski

OSM - Denver

Trevor Whiteside

Valley Camp of Utah, Inc.