



## SATISFACTORY FINDINGS:

1. Thermohydrology Research Project - This project does not currently utilize samples for its experiments, but may in the future. The Principal Investigator is familiar with TOP-012 requirements, and a hold point will be imposed, as necessary, to assure that controls are applied prior to sample receipt.
2. IWPE Research Project - Samples stored in Building 57 were verified as being properly marked by stamping with the Heat number of the material. Machined samples are identified by labeling their sample bag. Some large sheets of material are stored in Division 17, and were marked at the mill with the Heat number. Information has been compiled to complete the Sample Custody Entry Forms (Form TOP-004) as required by TOP-012. Reagents and standard solutions are appropriately labeled. A sample custody log has not yet been developed.
3. Geochemistry Research Project - Clinoptilolite material samples and subsamples being used in the ongoing experiments have been labeled and TOP-004 forms completed. Reagents were labeled properly except for the lack of cross reference to the Scientific Notebook entry documenting preparation. Some samples were used for earlier experiments and are not expected to be used again. These have not been re-marked with TOP-012 type identification nor have custody forms been completed. A sample custody log has not been developed.
4. Seismic Rock Mechanics Research Project - Due to travel by key personnel, TOP-004 forms have not been completed, however, samples were properly identified and Field Sample Specimen Information forms (CNWRA Form RM/S 1.89) were initiated in the field as required by TOP-006. Samples are stored in a locked room in Building 57, except when being tested in Division 04. The sample custody log has not been developed.

Due to the small number of samples, the absence of sample custody logs does not adversely impact sample control effectiveness. The files of Sample Custody Entry Forms are adequate as logs until true logs can be developed. Follow-up is planned to verify full compliance with TOP-012 by February 28, 1991.

## RECOMMENDATIONS/ACTIONS:

1. Obsolete Geochemistry samples should be discarded if not needed, or should be put under TOP-012 control if retention and archiving is desired.
2. In the northeast-most room of Building 57 are some Texas mineral samples and some "scrap" Apache Leap samples. Both should be clearly identified and placed under TOP-012 controls if necessary.