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John J. Linehan  
Section Leader  
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U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

## INFORMATION REQUEST

This is in response to your letter of January 20, 1986, in which you requested, on behalf of Charlotte Abrams, copies of a number of documents referenced in the August-September 1985 Nevada Nuclear Waste Storage Investigations (NNWSI) Project Monthly Reports.

We are transmitting the following documents as enclosures to this letter:

- o The Effects of Geochemical Processes on the Transport of Containments in Multicomponent Systems: A Modeling Perspective, Gail A. Cederberg, as presented at the September, 1985, Symposium on Coupled Processes. (LA-UR-85-3102).
- o Analysis of Colloid Transport, B. J. Travis and H. E. Nuttall, as submitted to the Ninth International Symposium on the Scientific Basis for Radioactive Waste Management, September 9-11, 1985 (LA-UR-85-2929).
- o An abstract of the paper on The Use of <sup>36</sup>CL for Infiltration Measurements at Yucca Mountain Nevada, by A. E. Norris, et al, published in the book of abstracts for the American Chemical Society Meeting in Chicago on September 9-13, 1985.
- o A preprint copy of <sup>36</sup>CL Measurements of the Unsaturated Zone Flux at Yucca Mountain, by A. E. Norris, et al, as submitted to the International Topical Meeting on High-Level Nuclear Waste Disposal, September 24-26, 1985 (LA-UR-85-2408).
- o Milestone Report R377: Sensitivity of Radionuclide Transport Times to Uncertainties in Chemical Sorption and Molecular Diffusion, by T. B. McWilliams.
- o Fractal Geometry of Two-Dimensional Fracture Networks at Yucca Mountain, Southwestern Nevada, C. Barton and E. Larsen, from the Proceedings of the International Symposium on Fundamentals of Rock Joints, September 15-20, 1985.

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- o USGS-OFR-85-459, Investigation of an Aeromagnetic Anomaly on the West Side of Yucca Mountain, Nye County, Nevada, by G. D. Bath and C. E. Jahren, 1985.

In addition to the above, you requested several other documents which are not yet available. A summary of their status is provided below:

- o The report, Particulate Content of Flowing Groundwater, as noted in the August 1985 Monthly Report, has not yet been released for distribution since the review process has not been completed. We expect it to be available in the Fall of 1986.
- o The preliminary gravity maps for the Nevada Test Site and vicinity, Pahute Mesa, Pahrangat Range, and Indian Springs quadrangles, including gravity and magnetic profiles along four lines on the Nevada Test Site and vicinity map are in varying stages of the preparation and review process and will be forwarded to your office as soon as they are available.
- o The technical presentations from the tectonics internal review held in Denver on August 19-21, 1985, are being prepared for publication as a U. S. Geological Survey (USGS) Bulletin. In the interim we have enclosed a copy of the Table of Contents for the bulletin, and a summary of the review from the July-September, 1985, USGS/NNWSI Quarterly Report.

Please contact Jerry S. Szymanski of my staff, or Michael A. Glora of Science Applications International Corporation (SAIC) if you have any questions.



Donald L. Vieth, Director  
Waste Management Project Office

WMPO:JSS-1688

Enclosures:

1. The Effects of Geochemical Processes on the Transport of Contaminants in Multicomponent Systems: A Modeling Perspective
2. Analysis of Colloid Transport
3. The Use of <sup>36</sup>CL for Infiltration Measurements at Yucca Mountain, Nevada
4. <sup>36</sup>CL Measurements of the Unsaturated Zone Flux at Yucca Mountain
5. Sensitivity of Radionuclide Transport Times to Uncertainties in Chemical Sorption and Molecular Diffusion
6. Fractal Geometry of Two-Dimensional Fracture Networks at Yucca Mountain, Southwestern Nevada
7. Investigation of an Aeromagnetic Anomaly on the West Side of Yucca Mountain, Nye County, Nevada

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AUG 04 1986

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cc w/encl:

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