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RECEIVED
JUN 23 1981
RADIATION PROTECTION SECTION

June 23, 1981

H. John Abbiss, P.E.
United Nuclear Corporation
Church Rock Operations
P. O. Drawer QQ
Gallup, New Mexico 87301

Dear Mr. Abbiss:

On March 30, 1981 Mr. Todd Miller submitted data to the EID relating to the backfilling activities at the Church Rock Mine, including both measured ground water - insitu samples and experimental values determined from leach column tests. I am most appreciative of Mr. Miller submitting the compiled data. However, the raw data (i.e. absolute values for major, minor and trace elements) for the mine water, slurry, decant, commingled, and ion exchange fractions was not submitted for the ground water sampling program. Further, the time that the sample(s) were collected, the location(s) and the date(s) of sample(s) collection needs to be submitted to the EID. I would appreciate it if UNC would submit the data in order to enable the EID to perform statistical studies, including correlation coefficient analysis and other types of tests on the data. Such tests will help all of us to understand the complex physio-chemical effects of backfilled tailings on native ground waters (i.e. Westwater Formation).

Sincerely,

Patrick A. Longmire, Geochemist
Ground Water Section
Water Pollution Control Bureau

PAL/sm

cc: Kent Breese, EID, Radiation
William Bennett, EID, District I
Carl Woolfolk, EID, Milan
Thomas Hill, UNC, Albuquerque

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