

Los Alamos

NATIONAL LABORATORY

Los Alamos National Laboratory
Los Alamos, New Mexico 87545



Date: May 18, 1999

In Reply Refer To: ESH-18/WQ&H:99-0165

Mail Stop: K497

Telephone: (505) 665-1859

Mr. John Young
Hazardous, Radioactive Materials Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, New Mexico 87502

Ms. Phyllis Bustamante
Ground Water Protection Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, New Mexico 87502

SUBJECT: NOTICE OF INTENT TO DISCHARGE WELL DEVELOPMENT WATER AND PURGE WATER FROM THE R-31 WELL

Dear Mr. Young and Ms. Bustamante:

Los Alamos National Laboratory is submitting this Notice of Intent to Discharge (NOI) for the well development water and purge water associated with the R-31 Monitoring Well pursuant to Section 1201 of the New Mexico Water Quality Control Commission Regulations. This well is part of the Laboratory's New Monitoring Well Installation Project under the Hydrogeologic Workplan. The R-31 Well will be located at Technical Area (TA)-39 approximately 400 ft southeast of the confluence of the north and south branches of Ancho Canyon (Please see enclosed drawing). The depth for this well is planned to be 900 feet, but the actual depth may be adjusted as the investigation progresses to ensure that the characterization objectives are adequately addressed.

Discharge volumes for the containerized water from the R-31 Well are expected to be approximately 25,000 gallons per day, for a total of 10 discharge days. The total amount of water to be collected during the construction phase of this project is estimated to be 200,000 gallons. Developed groundwater from the well will be stored onsite pending waste management disposal determination. If the developed water is suitable as determined by analytical data, the proposed method of discharge would be by means of using a sprinkler system (Please see enclosed drawing). This method will allow the water to be evenly dispersed preventing any runoff or erosion damage.

The proposed land application area has been reviewed by Environmental Restoration Project staff familiar with the area and determined to have no SWMU's or PRS's that could be impacted by this operation. All land application will be performed in a manner that will eliminate any impact to the stream course. Best Management Practices (BMPs) and erosion controls will be utilized and installed as required.



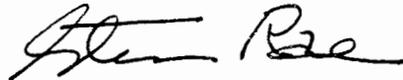
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Please call Harvey Decker (665-2014) or Steve Veenis (665-9735) of the Laboratory's Water Quality and Hydrology Group (ESH-18) if additional information would be helpful.

Sincerely,



Steven Rae
Group Leader
Water Quality and Hydrology Group

SR:HD/mm

Enclosures: a/s

Cy: B. Hoditschek, NMED/SWQB, Santa Fe, New Mexico, w/enc.
J. Kieling, NMED/HRMB, Santa Fe, New Mexico, w/o enc.
S. Yanicak, NMED/DOE/OB, w/enc., MS J993
J. Vozella, DOE/LAAO, w/o enc., MS A316
B. Enz, DOE/LAAO, w/o enc., MS A316
T. Gunderson, DLD-OPS, w/enc., MS A100
A. Pratt, ER/ FPL, w/o enc., MS J521
D. Broxton, EES-1, w/enc., MS D462
P. Longmire, EES-5, w/o enc., MS J534
R. Bohn, EM-ER, w/o enc., MS M992
D. Erickson, ESH DO, w/o enc., MS K491
C. Nylander, ESH-18, w/o enc., MS K 497
S. Veenis, ESH-18, w/o enc., MS K497
M. Saladen, ESH-18, w/o enc., MS K497
H. Decker, ESH-18, w/o enc., MS K497
WQ&H File, w/enc., MS K497
CIC-10, w/enc., MS A150