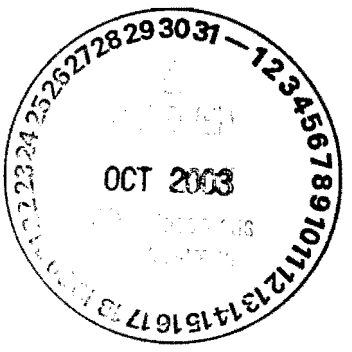
TA-72 TA-03
Sandia Canyon

Department of Energy
National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

OCT 28 2003



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

Dear Mr. Young and Mr. Frischkorn:

I am transmitting the analytical screening data from the sampling of Workplan well R-11 drilling and development water. Workplan well R-11 is located in Sandia Canyon across from the Laboratory's Live Fire Range. Approximately 30,000 gallons of drilling and development water was recently produced during the construction of R-11. The details are as follows.

Pit Water

Approximately 18,000 gallons of drilling and development water are being stored in a mud pit at the R-11 drill site. Screening analysis of the pit water produced the following results:

1. No PCBs, VOAs, or SVOA contaminants were detected at concentrations greater than Method Detection Limits.
2. Gross alpha and tritium activities are below EPA drinking water MCLs.
3. Perchlorate was detected at 5.2 ppb (MDL=4.0 ppb).
4. Screening results show that no contaminants exceeded NM WQCC Regulation 3103 ground water standards with the exception of the following:
   - Al=5.32 ppm (ground water std=5.0 ppm)
   - Fe=1.48 ppm (ground water std=1.0 ppm)
   - Mn=0.327 ppm (ground water std=0.2 ppm)

Frac Tank Water

Approximately 12,000 gallons of development water is being stored in a frac tank at the R-11 drill site. Screening analysis of the frac tank water produced the following results:

1. No PCBs, VOAs, or SVOA contaminants were detected at concentrations greater than Method Detection Limits with the exception of a VOA detection for acetone at 440 ppb.
2. Gross alpha and tritium activities are below EPA drinking water MCLs.
3. No perchlorate was detected in the frac tank screening sample.
4. Screening results show that no contaminants exceeded NM WQCC Regulation 3103 ground water standards.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The Laboratory proposes to apply both the pit water and the frac tank water to a gravel road in Pueblo Canyon for dust suppression. The application will be conducted in accordance with the terms and conditions of the Hydrogeologic Workplan NOI.

If you have any questions regarding this notification, please contact Mr. Bob Beers at 667-7969 (office) or 699-2342 (cell).

Sincerely,

Mathew P. Johansen
Ground Water Program
Compliance Manager

cc:
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