

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: May 11, 1994
IN REPLY REFER TO: EM/ER:94-J208
MAIL STOP: M992
TELEPHONE: (505) 667-0819

0433
FA-10

Mr. Ted Taylor, Program Manager
U.S. Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, NM 87544

Dear Mr. Taylor:

We are planning to begin sampling at Operable Unit (OU) 1079 in Bayo Canyon, Technical Area 10, on or about May 23, 1994, through mid-July 1994. Investigations will include surface and subsurface sampling. Attached is a sampling summary for Bayo Canyon.

The readiness review for this voluntary corrective action was conducted on April 22, 1994. If you have any questions or concerns, please feel free to give me a call.

Sincerely,


David J. McInroy
Acting Program Manager
Environmental Restoration Program

DJM/sg

Enclosure a/s

Cy: T. Baca, EM, MS J591
J. Jansen, EM/ER, MS M992
P. Aamodt, EM/ER, MS M992
K. Hargis, EM-8, MS K490
G. Allen, CST-6, MS E525
RPF, MS M707
CRM-4, MS A150, (w/o enclosure)



3388

Mr. Ted Taylor
EM/ER: 94-J208
May 11, 1994
Page 2

Benito Garcia
New Mexico Environment Dept.
525 Camino de los Marquez
Santa Fe, New Mexico 87502

Bruce Swanton
Hazardous & Radioactive
Materials Bureau
New Mexico Environment Dept.
525 Camino de los Marquez
Santa Fe, New Mexico 87502

Barbara Driscoll
RCRA Permits Branch
U. S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, TX 75202-2733

**OU 1079, TA-10 (Bayo Canyon)
SUBSURFACE SAMPLING**

CONSTITUENT	QUANTITY	METHOD
Total Uranium	517	Kinetic Phosphorescent Analysis
Isotopic Uranium	**	ICP/MS
Strontium-90	517	Gas flow proportional counter
Gamma Spectroscopy	**	Gamma Spectroscopy
TAL Metals*	517	US EPA SW-846, Method 6010 (Mercury - Method 7471)
Semi-volatiles	517	US EPA SW-846, Method 8270
Volatiles	**	US EPA SW-846, Method 8240
High Explosives	54	USATHAMA by High Performance Liquid Chromatography (HPLC)

SURFACE SAMPLING

CONSTITUENT	QUANTITY	METHOD
Total Uranium	125	Kinetic Phosphorescent Analysis
Isotopic Uranium	**	ICP/MS
Strontium-90	125	Gas flow proportional counter
Gamma Spectroscopy	**	Gamma Spectroscopy
TAL Metals*	125	US EPA SW-846, Method 6010 (Mercury - Method 7471)
Semi-volatiles	12	US EPA SW-846, Method 8270
Volatiles	**	US EPA SW-846, Method 8240
High Explosives	33	USATHAMA by High Performance Liquid Chromatography (HPLC)

* TAL Metals include:

Antimony	Chromium	Silver
Arsenic	Lead	Thallium
Barium	Mercury	Vanadium
Beryllium	Nickel	Zinc
Cadmium	Selenium	

** Selected samples will be analyzed for isotopic uranium, gamma spectroscopy, and volatiles based on field screening results.