

General

2/24/1998



State of New Mexico
ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
P.O. Box 1663, MS/J-993
Los Alamos, New Mexico 87545



GARY JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

David C. Gordon
Water Quality Technician
P.O. Box 70
Cochiti Pueblo, NM 87072

Re: Release of 1996 DOE OB Environmental Restoration split sampling and independent sampling (sediments) results at Los Alamos National Laboratory and surrounding areas

Dear Mr. Gordon:

Attached please find a copy of the above referenced material. Some of this data was collected in tributaries of Cochiti Reservoir and may be of some interest to you. Additional 1996 and 1997 DOE OB data collected at Los Alamos National Laboratory and vicinity (including White Rock Canyon) will be available by March 13, 1998. If you have any questions regarding this data please feel free to contact Michael Dale of our staff at (505)672-0449.

Sincerely,

Stephen Yanicak, LANL POC
Department of Energy Oversight Bureau

SY:anc

Attachment

cc: John Parker, NMED DOE Oversight Bureau, Chief
Mat Johansen, DOE LAAO, AIP POC, MS A 316

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FEB 24 1998

DOE OVERSIGHT BUREAU



13156

LANL/ES Data/Sediments



GARY E. JOHNSON
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MARK E. WEIDLER
SECRETARY

April 9, 1997

Mat Johansen, DOE LAAO AIP POC
U.S. Department of Energy
Los Alamos Area Office
528 35th Street, MS A316
Los Alamos, NM 87544

RE: Release of 1996 DOE OB Environmental Restoration split-sampling and independent sampling (sediments) results at Los Alamos National Laboratory and surrounding areas

Dear Mr. Johansen:

The New Mexico Environment Department of Energy Department of Energy Oversight Bureau (NMED DOE OB) collected independent and ER split-samples during 1996, and the attached data are being submitted for your thirty-day review as stated in the Agreement-in-Principle Umbrella Protocol. After you have had the opportunity to review and comment on the data, it will be released to applicable agencies thirty (30) days following your receipt of this letter. In addition, the NMED DOE OB would like Mr. Steve Reneau (FU 4) for his cooperation and assistance.

Contact Michael Dale at 672-0449 if you have any questions concerning this matter.

Sincerely,

A handwritten signature in cursive script, reading "Stephen Yanicak".

Steve Yanicak, LANL POC
Department of Energy Oversight Bureau

SY:mrđ

Attachment

Mr. Mat Johansen
April 9, 1997
Page 2

cc: Ted Taylor, DOE LAAO, Program Manager, EM/ER, MS A316
Bob Simeone, DOE LAAO, FU-4 FPC, MS A316
Joe Mose, DOE LAAO, FU-3 & FU-6 FPC, MS A316
Steve Rae, LANL, ESH-18, MS K490
Jorg Jansen, LANL, Project Manager, EM/ER, MS M992
Allyn Pratt, LANL, FU-4 FPL, MS J521
John Parker, NMED, Chief, DOE OB

C:\...\96seddat.doe

TABLE 1 - NMED DOE Oversight Bureau sediment analytical results: Radionuclides.

| STATION ID | Date | X-Y COORDINATES | | 90Sr | | 137Cs | | 22Na | | U | | 234U | 236U | 238U | 238Pu | 239/240Pu | | 241Am | | 237Np | | Gross Alpha | | Gross Beta | | |
|------------------------|----------|-----------------|------------|---------|------|---------|-------|---------|-----|---------|------|---------|---------|---------|---------|-----------|-------|---------|--------|---------|------|-------------|------|------------|------|------|
| | | EASTING | NORTHING | (pCi/g) | unc | (pCi/g) | unc | (pCi/g) | unc | (pCi/g) | unc | (pCi/g) | (pCi/g) | (pCi/g) | (pCi/g) | unc | unc | (pCi/g) | unc | (pCi/g) | unc | (pCi/g) | unc | (pCi/g) | unc | |
| ES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LA - 0.01 | 7/3/96 | 531826.18 | 1773577.47 | NA | - | 0.206 | 0.086 | 0.094 | BDL | NA | - | NA | NA | NA | NA | - | NA | - | <0.330 | BDL | NA | - | 5.65 | 0.79 | 5.19 | 0.74 |
| Rio Grande @ Medio (a) | 10/10/96 | 481059.88 | 1704608.93 | NA | - | 0.703 | 0.103 | NA | - | NA | - | NA | NA | NA | <0.07 | BDL | 0.03 | 0.02 | <0.02 | BDL | 0.00 | 0.04 | NA | - | NA | - |
| Rio Grande @ Medio (b) | 10/10/96 | 481059.88 | 1704608.93 | NA | - | <0.039 | BDL | NA | - | NA | - | NA | NA | NA | <0.04 | BDL | <0.01 | BDL | <0.06 | BDL | 0.01 | 0.01 | NA | - | NA | - |
| #31 | 5/15/96 | 497419.24 | 1772944.86 | 31.3 | 5.70 | 186 | 11.8 | NA | - | 5.26 | 0.71 | 1.82 | 0.12 | 1.79 | 0.08 | 0.02 | 5.40 | 0.66 | 1.55 | 0.20 | NA | - | 11.2 | 1.4 | 211 | 23 |
| #48 | 5/15/96 | 497419.24 | 1772944.86 | 1.06 | 0.47 | 4.23 | 0.302 | NA | - | 3.53 | 0.48 | 1.36 | 0.06 | 1.27 | 0.10 | 0.03 | 0.44 | 0.08 | 0.69 | 0.10 | NA | - | 4.19 | 0.50 | 7.71 | 0.86 |

NA - Not analyzed or not available

BDL - Below method detection limits

UNC - Estimated total propagated uncertainty (2 sigma)

Represents:

(a) - fine grained deposit 0"-4" below top of mud flat.

(b) - courser deposit 4"-8" below (a).

#31 and #48 - ER FU4 canyon's split sampling

NOTE: X-Y Coordinates are State plane, New Mexico Central Zone, NAD 27

Source: Digitized from U.S.G.S. 7.5 Minute Quadrangles.

TABLE 2 - NMED DOE Oversight Bureau sediment analytical results: Metals.

| STATION ID | Date | As [^] | | Ba [^] | | Be [^] | | Cd [^] | | Cr [^] | | Hg ^{^^} | |
|---------------|---------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|------------------|------|
| | | (mg/kg) | (RL) | (mg/kg) | (RL) | (mg/kg) | (RL) | (mg/kg) | (RL) | (mg/kg) | (RL) | (mg/kg) | (RL) |
| #31 | 5/15/96 | 3 | 1.0 | 110* | 10 | 0.9 | 0.5 | <0.5 | 0.5 | 29* | 1 | 0.2 | 0.1 |
| #48 | 5/15/96 | 2 | 1.0 | 40 | 10 | <0.5 | 0.5 | <0.5 | 0.5 | 6 | 1 | <0.1 | 0.1 |

(RL) - Reporting limit

[^] - USEPA method 6010

^{^^} - USEPA method 7410

* - Duplicate precision not within control limits

#31 and #48 - ER FU4 canyon's split sampling