

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



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LANL/ES Data / Sediments



GARY E. JOHNSON  
GOVERNOR

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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 that reads "Stephen Yanicak".

Steve Yanicak, LANL POC  
Department of Energy Oversight Bureau

SY:mrd

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	(pCi/g)	unc
<b>ES</b>																											
LA - 0.01	7/3/96	531826.18	1773577.47	NA	-	0.206	0.066	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 <sup>^</sup>		Ba <sup>^</sup>		Be <sup>^</sup>		Cd <sup>^</sup>		Cr <sup>^</sup>		Hg <sup>^^</sup>	
		(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

<sup>^</sup> - USEPA method 6010

<sup>^^</sup> - USEPA method 7410

\* - Duplicate precision not within control limits

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