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November 5, 1995

Mr. Ivan Trujillo, LAAO AIP
Point of Contact
Department of Energy
Los Alamos Area Office
MS A316
Los Alamos, NM 87544

RE: Submittance of split sampling data from ER site 22-015(c), LANL FU-5.

Dear Mr. Trujillo

The New Mexico Environment Department (NMED) Department of Energy Oversight Bureau (DOE OB) staff performed split sampling on September 14, 1995 at ER site 22-015(c). The split samples were taken during confirmation of the Expedited Cleanup (EC) at this site. Sample 22-015(c)A, taken just below the outfall, corresponds to LANL FU-5 sample 22-2077. Sample 22-015(c)B, taken from the mud in the boggy area, corresponds to LANL FU-5 sample 22-2075. This sample data is 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 the applicable agencies within 30 days of receipt of this letter.

Contact Chris Hanlon-Meyer at 827-1536 if there are any questions concerning this matter.

Sincerely,

Steve Yanicak, DOE Oversight Bureau, LANL POC
New Mexico Environment Department

SY:CJHM:cjhm



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LANL/ER/04 1111

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22-015(c) Data transmittal
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attachment

cc: Neil Weber, NMED, Chief, DOE Oversight Bureau
Mike Golgosch, DOE FPC, MS A316
Cheryl Rofer, LANL, EES-1, MS D462

Table 1- NMED DOE Oversight Bureau Soil Analysis Results, Field Unit 5, OU 1111, Site 22-015(c): Semivolatile Organic Compounds.

Sample ID: 22-015(c)-A			
Sampling Date: 9/14/95			
Parameter	RESULT (ug/l)	Parameter	RESULT (ug/l)
PYRIDINE	<330	ACENAPHTHENE	<330
n-NITROSODIMETHYLAMINE	<330	2,4-DINITROPHENOL	<1700
ANILINE	<830	4-NITROPHENOL	<1700
PHENOL	<330	DIBENZOFURAN	<330
BIS(2-CHLOROETHYL)ETHER	<330	2,4-DINITROTOLUENE	<330
2-CHLOROPHENOL	<330	DIETHYL PHTHALATE	<330
1,3-DICHLOROBENZENE	<330	FLUORENE	<330
1,4-DICHLOROBENZENE	<330	4-CHLOROPHENYL PHENYL ETHER	<330
1,2-DICHLOROBENZENE	<330	4-NITROANILINE	<1700
BENZYL ALCOHOL	<330	AZOBENZENE	<330
BIS(2-CHLOROISOPROPYL)ETHER	<330	4,6-DINITRO-2-METHYLPHENOL	<1700
2-METHYLPHENOL	<330	N-NITROSODIPHENYLAMINE	<330
N-NITROSO-DI-N-PROPYLAMINE	<330	4-BROMOPHENYL PHENYL ETHER	<330
4-METHYLPHENOL	<330	HEXACHLOROBENZENE	<330
HEXACHLOROETHANE	<330	PENTACHLOROPHENOL	<1700
NITROBENZENE	<330	PHENANTHRENE	<330
ISOPHORONE	<330	ANTHRACENE	<330
2-NITROPHENOL	<330	CARBAZOLE	<330
2,4-DIMETHYLPHENOL	<330	DI-N-BUTYLPHTHALATE	<330
BENZOIC ACID	<1700	FLUORANTHENE	<330
1,2,4-TRICHLOROBENZENE	<330	BENZIDENE	<1700
NAPHTHALINE	<330	PYRENE	<330
4-CHLOROANILINE	<830	BUTYL BENZYL PHTHALATE	<330
HEXACHLOROBUTADIENE	<330	BENZO(A)ANTHRACENE	<330
4-CHLORO-3-METHYLPHENOL	<330	3,3'-DICHLOROBENZIDINE	<1700
2-METHYLNAPHTHALE	<330	CHRYSENE	<330
HEXACHLOROCYCLOPENTADIENE	<330	BIS(2-ETHYLHEXYL)PHTHALATE	300 J
2,4,6-TRICHLOROPHENOL	<330	DI-N-OCTYL PHTHALATE	<330
2,4,5-TRICHLOROPHENOL	<1700	BENZO(B)FLUORANTHENE	<330
2-CHLORONAPHTHALE	<330	BENZO(K)FLUORANTHENE	<330
2-NITROANILINE	<1700	BENZO(A)PYRENE	<330
DIMETHYL PHTHALATE	<330	INDENO(1,2,3-CD)PYRENE	<330
2,6-DINITROTOLUENE	<330	DIBENZ(A,H)ANTHRACINE	<330
ACENAPHTHILINE	<330	BENZO(G,H,I)PERYLENE	<330
3-NITROANILINE	<1700		

LESS THAN (<) SYMBOL INDICATES THAT THE REPORTED VALUE IS LESS THAN THE MEAN DETECTION LIMITS

METHODS USED: MODIFIED USEPA METHOD 8270

J MEANS THAT THIS VALUE IS ESTIMATED, ANALYTE FOUND BELOW DETECTION LIMIT

Table 1 cont.- NMED DOE Oversight Bureau Soil Analysis Results, Field Unit 5, OU 1111, Site 22-015(c): Semivolatile Organic Compounds.

Sample ID: 22-015(c)-B			
Sampling Date: 9/14/95			
Parameter	RESULT (ug/l)	Parameter	RESULT (ug/l)
PYRIDINE	<330	ACENAPHTHENE	<330
n-NITROSODIMETHYLAMINE	<330	2,4-DINITROPHENOL	<1700
ANILINE	<830	4-NITROPHENOL	<1700
PHENOL	<330	DIBENZOFURAN	<330
BIS(2-CHLOROETHYL)ETHER	<330	2,4-DINITROTOLUENE	<330
2-CHLOROPHENOL	<330	DIETHYL PHTHALATE	<330
1,3-DICHLOROBENZENE	<330	FLUORENE	<330
1,4-DICHLOROBENZENE	<330	4-CHLOROPHENYL PHENYL ETHER	<330
1,2-DICHLOROBENZENE	<330	4-NITROANILINE	<1700
BENZYL ALCOHOL	<330	AZOBENZENE	<330
BIS(2-CHLOROISOPROPYL)ETHER	<330	4,6-DINITRO-2-METHYLPHENOL	<1700
2-METHYLPHENOL	<330	N-NITROSODIPHENYLAMINE	<330
N-NITROSO-DI-N-PROPYLAMINE	<330	4-BROMOPHENYL PHENYL ETHER	<330
4-METHYLPHENOL	<330	HEXACHLOROBENZENE	<330
HEXACHLOROETHANE	<330	PENTACHLOROPHENOL	<1700
NITROBENZENE	<330	PHENANTHRENE	<330
ISOPHORONE	<330	ANTHRACENE	<330
2-NITROPHENOL	<330	CARBAZOLE	<330
2,4-DIMETHYLPHENOL	<330	DI-N-BUTYLPHTHALATE	<330
BENZOIC ACID	<1700	FLUORANTHENE	<330
1,2,4-TRICHLOROBENZENE	<330	BENZIDENE	<1700
NAPHTHALINE	<330	PYRENE	<330
4-CHLOROANILINE	<830	BUTYL BENZYL PHTHALATE	<330
HEXACHLOROBUTADIENE	<330	BENZO(A)ANTHRACENE	<330
4-CHLORO-3-METHYLPHENOL	<330	3,3'-DICHLOROBENZIDINE	<1700
2-METHYLNAPHTHALE	<330	CHRYSENE	<330
HEXACHLOROCYCLOPENTADIENE	<330	BIS(2-ETHYLHEXYL)PHTHALATE	<330
2,4,6-TRICHLOROPHENOL	<330	DI-N-OCTYL PHTHALATE	<330
2,4,5-TRICHLOROPHENOL	<1700	BENZO(B)FLUORANTHENE	<330
2-CHLORONAPHTHALE	<330	BENZO(K)FLUORANTHENE	<330
2-NITROANILINE	<1700	BENZO(A)PYRENE	<330
DIMETHYL PHTHALATE	<330	INDENO(1,2,3-CD)PYRENE	<330
2,6-DINITROTOLUENE	<330	DIBENZ(A,H)ANTHRACINE	<330
ACENAPHTHILINE	<330	BENZO(G,H,I)PERYLENE	<330
3-NITROANILINE	<1700		

LESS THAN (<) SYMBOL INDICATES THAT THE REPORTED VALUE IS LESS THAN THE MEAN DETECTION LIMITS

METHODS USED: MODIFIED USEPA METHOD 8270

Table 2- NMED DOE Oversight Bureau Soil Analysis Results, Field Unit 5, OU 1111, Site 22-015(c): Metals and Gross Alpha/Beta.

SAMPLE ID	Date	Gross Alpha		Gross Beta		Ag	As	Be	Cd	Cr	Cu	Fe	Hg	Ni	Pb	Se	V	Zn
		(pCi/g)	UNC	(pCi/g)	UNC	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
22-015(c)-A	9/14/95	1.78	0.6	4.44	0.83	2.00	2.00	<0.5	1.10	11.00	83.00	7300.00	<0.2	23.00	12.00	<0.5	55.00	16.00
22-015(c)-B	9/14/95	2.66	0.79	2.78	0.66	12.00	4.00	0.80	18.00	93.00	300.00	8500.00	<0.2	140.00	13.00	<0.5	11.00	32.00

Samples analysed by modified USEPA method 6010 except USEPA 7471 was used for mercury