Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: June 8, 1994
IN REPLY REFER TO: EM/ER:94-A201
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Ms. Barbara Driscoll
RCRA Permits Branch
Environmental Protection Agency
Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

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TA-21

Dear Ms. Driscoll:

This letter is to inform you of the upcoming sampling activities that affect the Resource Conservation and Recovery Act Facility Investigation work being performed in Operable Unit (OU) 1106 at Los Alamos National Laboratory (the Laboratory). The sampling will take place starting in early July and continue into October.

The attached table briefly describes the sampling activities and the anticipated schedule. If you would like more information on these activities, please let me know.

Please feel free to call me with any questions regarding this sampling program.

Sincerely,

P L Aamodt for

Tracy Glatzmaier
Programmatic Project Leader

TG/sg

Attachment a/s

Cy: Ted Taylor DOE/LAAO, MS A316
J. Jansen, EM/ER, MS M992 (w/o att.)
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B. Swanton, NMED/AIP, MS J993
CRM-4, MS A150 (w/o att.)
RPF, MS M707

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Proposed Schedule for 1994 Field Season

Radiological Survey/Surface Sampling							
Activity	**Chapter**	**SWMU No(s)**	**Date (est)**	**Surveys**	**Samples (# Loc)**	**QA Samples**	**Analytes**
MDA Drainages	16.1	MDA A,B,T,U,V	7/5–7/11	10	45 (15)	15	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, semivolatile organics, metals
MDA V	16.7	21-018(a)	7/5-7/11	2	0	0	radiation surveys only
New Industrial LWTF	16.5	21-011(a,b-j)	7/12–7/15	2	25 (5)	4	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
MDA A	16.8	21-014	7/18–7/25	2	55	11	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, semivolatile organics, metals
MDA U (1)	16.6	21-017(a-c)	7/26–8/2	2	80 (80)	10	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, semivolatile organics, metals
MDA B (2)	16.2	21-015	8/3–8/11	2	60 (60)	13	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
PCB Container Area	14.2	21-003	8/12–8/17	0	63 (63)	10	gamma spec, tritium, total U, isotopic Pu, organics, metals, PCB
AG Tanks and Lines (3)	14.3	21-004(a-c,d)	8/18-8/29	10	5 (5)	4	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
Active Container SA	14.4	21-028(d,e)	8/30–9/1	4	8 (8)	4	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
DP Tank Farm	14.5	21-029	9/2–9/6	0	2 (2)	0	organics, metals, TCLP metals, ethanol
Inactive Container SA	14.6	21-002(b)	9/7–9/8	0	8 (8)	4	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
Surface Disposal Areas (4)	14.7	21-013(b-g)	9/21–9/21	10	36	7	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
Sewage TP (5)	14.8	21-026(a-c)	9/22–9/26	1	21 (12)	6	gamma spec, tritium, total U, isotopic Pu, isotopic U, Sr^{90}, organics, metals

NOTES:

1) Total sample number includes 10 sv, 10 contingency
2) Total sample number includes 6 sv, 10 contingency
3) Distinct radiological surveys not defined
4) Complicated survey plan
5) Sample number includes near-surface samples that are based on surface bias

Proposed Schedule for 1994 Field Season -- Continued

Subsurface Sampling									
Activity	**Chapter**	**SWMU No(s)**	**Date (est)**	**Type**	**Qty**	**Depth (ea)**	**Samples**	**QA Samples**	**Analytes**
MDA V (7) (Round 1)	16.7	21-018(a)	7/5–7/15	B	2	75	48	8	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
Vadose Zone/MDA V	12.5	21-018(a)	7/18–8/3	B	1	300	60	15	mobile lab only
LAUZ 1 & 2 (6)	12.6		8/4–8/22	B	2	200	80	22	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
New Industrial LWTF	16.5	21-011(a,b-j)	8/23–8/26	AB	4	20	20	3	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
Sewage TP	14.8	21-026(a-c)	8/29–9/8	AB	1	47	10	3	gamma spec, tritium, total U, isotopic Pu, isotopic U, Sr^{90}, organics, metals, TCLP metals
				AB	2	52	22	4	
Industrial LWTF	16.4	21-010(a,b-h)	9/9–9/12	SB	5	10	20	3	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
			9/13	SB	5	5	10	1	
			9/14–9/15	SB	5	20	20	6	
MDA V (7) (Round 2)	16.7	21-018(a)	9/16–9/23	B	4	75	97	16	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
New Industrial LWTF	16.5	21-011(a,b-j)	9/26–9/27	SB	7	10	40	6	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
AG Tanks and Lines	14.3	21-004(a-c,d)	9/28	SB	2	5	4	4	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
DP Tank Farm	14.5	21-029	9/29–9/30	SB	10	10	40	10	organics, metals, TCLP metals, ethanol
Surface Disposal Areas (8)	14.7	21-013(c,d,e)	10/3–10/6	SB	27	7.5	27	18	gamma spec, tritium, total U, isotopic Pu, Sr^{90}, organics, metals
		21-013(b,f,g)	10/7-10/11	SB	27	2.5	27	13	
Sewage TP	14.8	21-026(a-c)	10/12–10/17	VB	1	30	6	0	gamma spec, tritium, total U, isotopic Pu, isotopic U, Sr^{90}, organics, metals

NOTES: B – Borehole, SB – Shallow Borehole, AB – Angled Borehole, VB – Vertical Borehole

1) Depth based on recommendations from LADP-3 and LADP-4
2) One of the 6 boreholes is scheduled to a depth of 125 ft
3) Approximately 30% of screening samples will be submitted for lab analysis