Region I FORM 304 (8/88)

U.S. NUCLEAR REGULATORY COMMISSION

SAMPLE RECORD SHEET
REGION I LABORATORY

LAB CONTROL NUMBER: 301901

X ROUTINE / URGENT — DATE NEEDED

SAMPLE LOCATION: Dept of Army, Ft Monmouth Evans Area

DATE ANALYSIS BEGAN: — DATE COMPLETED: —

ANALYZED BY: [signature] DATE: 5/9/97

COLLECTED BY: S. Shaffer — DIVISION: DNMS — PHONE: 5256

CONTACT NOTIFIED: — DATE:

APPROVED BY: [signature] DATE: 5-9-97

SAMPLE NO.	DATE	HOUR	DESCRIPTION	ANALYZE FOR	INSTRUMENT USED	QUANTITY USED	DATE COUNTED	COUNT TIME Seconds	GROSS COUNT	BACK GROUND	NET COUNT	Radio nuclide	RESULT ±1σ* pCi/g (dry wt)
1	4/9	1200	SOIL	γ scan	#1	223.3	4/21	60,000				Pa 234m	1.8±0.7
												Pb 214	0.76±0.02
												Bi 214	0.69±0.02
												U 235	0.08±0.03
												Ac 228	0.80±0.04
												Pb 212	0.789±0.015
												Bi 212	0.52±0.07
2	4/9	1200	SOIL	γ scan	#2	225.3	4/21	60,000				Pa 234m	0.3±0.7
												Pb 214	0.76±0.02
												Bi 214	0.65±0.02
												U 235	0.10±0.02
												Ac 228	0.76±0.03
												Pb 212	0.848±0.013
												Bi 212	0.50±0.06

*Random uncertainties reported are 1 standard deviation, 1σ, small negative and other results ≤ 2σ are interpreted as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

(pink) 2. INSPECTOR

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SAMPLE NO.	DATE	HOUR	DESCRIPTION	ANALYZE FOR	INSTRUMENT USED	QUANTITY USED g	DATE COUNTED	COUNT TIME seconds	GROSS COUNT	BACK GROUND	NET COUNT	Radionuclide	RESULT ±1σ* pCi/g (dry wt.)
3	4/9	1200	SOIL	γ scan	#2	297.7	4/22	60,000				Pa-234m	0.8±0.6
												Pb-214	0.761±0.015
												Bi-214	0.626±0.015
												U-235	0.070±0.015
												Ac-228	0.69±0.03
												Pb-212	0.764±0.011
												Ri-212	0.39±0.04
4	4/16	1200	SOIL	γ scan	#1	280.3	4/22	60,000				Pa-234m	<0.8
												Pb-214	0.67±0.02
												Bi-214	0.62±0.02
												U-235	0.04±0.03
												Ac-228	0.66±0.03
												Pb-212	0.694±0.012
												Bi-212	0.46±0.05

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SAMPLE NO.	SAMPLE DATE	SAMPLE HOUR	SAMPLE DESCRIPTION	ANALYZE FOR	INSTRUMENT USED	QUANTITY USED g	DATE COUNTED	COUNT TIME seconds	GROSS COUNT	BACKGROUND	NET COUNT	Radionuclide	RESULT ±1σ * pCi/g (dry wt)
5	4/9	1200	SOIL	γ Scan	#1	425.5	4/23	60,000				Pa 234m	0.7±0.3
												Pb 214	0.188±0.010
												Bi 214	0.171±0.010
												U 235	<0.03
												Ac 228	0.70±0.02
												Pb 212	0.239±0.005
												Bi 212	0.20±0.04

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Region I FORM 303
(8-88)

U.S. NUCLEAR REGULATORY COMMISSION

REQUEST FOR ANALYSIS

Region I Laboratory

LABORATORY USE ONLY

CONTROL NUMBER: 30101

SAMPLE LOCATION (LICENSEE): Department of the Army Fort Monmouth Eatontown

LICENSE NO.: 29-10225-10

DOCKET NO.: 030-09718

SAMPLES SUBMITTED

#(TOTAL)	TYPE	VOLUME	WEIGHT
3	Soils		

DATE SAMPLES SUBMITTED: 4-10-97

PRIORITY: [X] ROUTINE [ ] URGENT ***

SAMPLE COLLECTION INTERVAL

	MONTH	DAY	YEAR	TIME
START	4	9	97	1330
STOP	4	9	97	2330

INSPECTOR RESPONSIBLE: Steven Schaffer

PHONE EXT.: 5256

	ANALYSIS TO BE PERFORMED	LIST DESIRED LLD (Optional)		OTHER TYPE OF ANALYSIS (Specify)	LIST DESIRED LLD (Optional)
	GROSS ALPHA				
	GROSS BETA				
X	GAMMA SPEC				
	TRITIUM				
	CARBON-14				
	IODINE-125				

REMARKS

NOTE: Samples will be discarded after analysis unless reasons are noted above in Remarks.

*** FOR URGENT USE ONLY — Signature Blocks below must be filled out by the Inspector's appropriate Section Chief and by the Chief, Effluents Radiation Protection Section BEFORE submitting this form to the Region I Laboratory.

SIGNATURE — APPROPRIATE NUCLEAR MATERIALS SAFETY SECTION CHIEF | DATE

SIGNATURE — CHIEF, EFFLUENTS RADIATION PROTECTION SECTION | DATE

(pink) 2. INSPECTOR