Region I FORM 304
(8/88)

U.S. NUCLEAR REGULATORY COMMISSION

SAMPLE RECORD SHEET
REGION I LABORATORY

LAB CONTROL NUMBER: 301911

✓ ROUTINE | DATE NEEDED
URGENT

SAMPLE LOCATION: Ft Monmouth, NJ
DATE ANALYSIS BEGAN:
DATE COMPLETED:
ANALYZED BY: [illegible] DATE: 7/23/97

COLLECTED BY: S Shaffer | DIVISION: DNMS | PHONE: 5256
CONTACT NOTIFIED:
DATE:
APPROVED BY: [illegible] DATE: 7-28-97

NO.	DATE	HOUR	SAMPLE DESCRIPTION	ANALYZE FOR	INSTRUMENT USED	QUANTITY USED grams	DATE COUNTED	COUNT TIME seconds	GROSS COUNT	BACKGROUND	NET COUNT	Radionuclide	RESULT ±1σ * pCi/g (dry wt)
1	6/11	1200	SOIL	γ scan	#2	281.3	6/16	60,000				Cs-137	0.033±0.005
												Pa-234m	1.1±0.7
												U-235	0.16±0.03
												Ac-228	1.86±0.04
												Pb-212	2.129±0.016
2	6/11	1200	SOIL	γ scan	#2	338.1	7/15	60,000				Pa-234m	2.0±0.8
												U-235	0.17±0.03
												Ac-228	2.34±0.04
												Pb-212	2.74±0.02
3	6/11	1200	SOIL	γ scan	#2	335.4	6/18	60,000				Cs-137	0.234±0.007
												Pa-234m	2.7±0.8
												U-235	0.22±0.04
												Ac-228	2.95±0.04
												Pb-212	3.52±0.02

*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	DATE COUNTED	COUNT TIME	GROSS COUNT	BACKGROUND	NET COUNT	Radionuclide	RESULT ±1σ* pCi/g (dry wt.)
4	6/11	1200	MISC SOIL	γ scan	#1	41.8g	7/15	60,000s				Co-60	0.04±0.02 (20%)
												Cs-137	0.10±0.03 (20%)
												Pa-234m	8±3 (20%)
												U-235	<0.4
												Ac-228	0.3±0.2 (20%)
												Pb-212	0.34±0.06 (20%)

*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

Region I FORM 303
(8-88)

U.S. NUCLEAR REGULATORY COMMISSION

REQUEST FOR ANALYSIS
Region I Laboratory

LABORATORY USE ONLY

CONTROL NUMBER: 301911

SAMPLE LOCATION (LICENSEE): Ft. Monmouth NJ

LICENSE NO.	DOCKET NO.
29-01022-06	30-05248

SAMPLES SUBMITTED

#(TOTAL)	TYPE	VOLUME	WEIGHT
3	Soils		
1	Misc		

DATE SAMPLES SUBMITTED: 6/12/97

PRIORITY: X ROUTINE / URGENT ***

SAMPLE COLLECTION INTERVAL

	MONTH	DAY	YEAR	TIME
START	6	11	97	
STOP	6	11	97	

INSPECTOR RESPONSIBLE: Steve Shaffer

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