



Nuclear Consulting Services, Inc.

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October 22, 1990

Mr. Donald R. Gibbons
Health Physicist
US NRC Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Mr. Gibbons:

Thank you for your Oct. 18th visit to our company. It not only gave us the opportunity to see how effective our program is, but also demonstrates to management that the money and time spent was not wasted.

During the exit interview, you mentioned two findings:

1. source inventory not completed on a semi-annual basis.
2. Source leak testing not completed on a semi-annual basis.

We had been performing this inventory/leak test every quarter, with the last inventory being completed in March of 1990. At that time, it was brought to our attention that our license only requires an inventory/leak test every six months, which would make our next inventory due in September of 1990. In the process of ongoing business, we deferred the inspection until October of 1990. We have now completed and documented our semi-annual source inventory/leak testing. As a corrective action, we have entered the semi-annual source inventory/leak test into our Maintenance and Test Equipment (M&TE) Calibration Program. Each week, the computer generates a list of all M&TE equipment due for calibration. As of now, every six months the phrase "Sealed Source Inventory", will appear on the calibration due printout. This will remind us that the inventory/leak test is due that month, ensuring completion on a timely basis.



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In summary, the deficiencies mentioned at the exit interview have been acted upon and we are now in compliance with NRC requirements. Once again, thank you for an interesting and informative inspection.

Sincerely yours,

R. S. Kingsley for B. J. Kovach
Bela J. Kovach
Radiation Safety Officer

Enclosure:

cc: J. L. Kovach - President, NUCON
R. S. Kingsley - Vice President Technology, NUCON
T. S. Keller - Health Physicist, NUCON
Lauretta Lee - Health Physicist, Ohio Dept. of Health

NUCLEAR CONSULTING SERVICES, INC.

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INVENTORY/LEAK TEST LOG

SOURCE	I.D. NO.	MUCOH LOG NO.	ORIGINAL ACTIVITY DATE	LEAK TESTED			INVENTORY DATE		INSTRUMENT USED
				µCi	DATE	INITIAL	DATE	INITIAL	
Ba-133	5AM-4M42	L0560	1.863 x 10 ⁵ Sep 78	<10 ⁻⁴	19 OCT 90	ZAK	18 OCT 90	ZAK	LO485
Kr-85	7M091	N/A	500 µCi Apr 72	<10 ⁻⁴		ZAK		ZAK	
Kr-85	None	N/A	500 µCi Nov. 72	<10 ⁻⁴		ZAK		ZAK	
Ba-133, Cs-137	LO	L0260	0.0339 µCi Jun 73	<10 ⁻⁴		ZAK		ZAK	
		L0261	B+ 0.03 µCi Cs 0.025 µCi Dec 74	<10 ⁻⁴		ZAK		ZAK	
		L0262	5.07 µCi May 74	<10 ⁻⁴		ZAK		ZAK	
Co-60	D-121	L0336	15.9 µCi Dec 79	<10 ⁻⁴		ZAK		ZAK	
Co-60	J-032	L0767	12.1 µCi Sep 80	<10 ⁻⁴		ZAK		ZAK	
Am-241	53001	L0253	5.87 µCi Sep 78	<10 ⁻⁴		ZAK		ZAK	
Cl-36	None	L0255	0.0999 µCi Aug 74	<10 ⁻⁴		ZAK		ZAK	
Ni-63	None	ECD	?			ZAK		ZAK	
H-3	1055	ECD	250 µCi Sep 64	<10 ⁻⁴		ZAK		ZAK	
	7522	ECD	250 µCi Jan 69	<10 ⁻⁴		ZAK		ZAK	
Ra-226	A-4183-1	ECD	0.088 µCi	<10 ⁻⁴		ZAK		ZAK	
Pa-234	None	L0254	0.109			ZAK		ZAK	
QCX-44	R8/270/22	L0867	1.14 x 10 ⁻⁵ µCi Oct 85	<10 ⁻⁴		ZAK		ZAK	