

STERIS®



October 12, 1999

José M. Díaz
Radiation Specialist
U.S. Nuclear Regulatory Commission Region II
Atlanta Federal Center
61 Forsyth St., SW, suite 23T85
Atlanta, GA 30303

Dear Mr. Díaz:

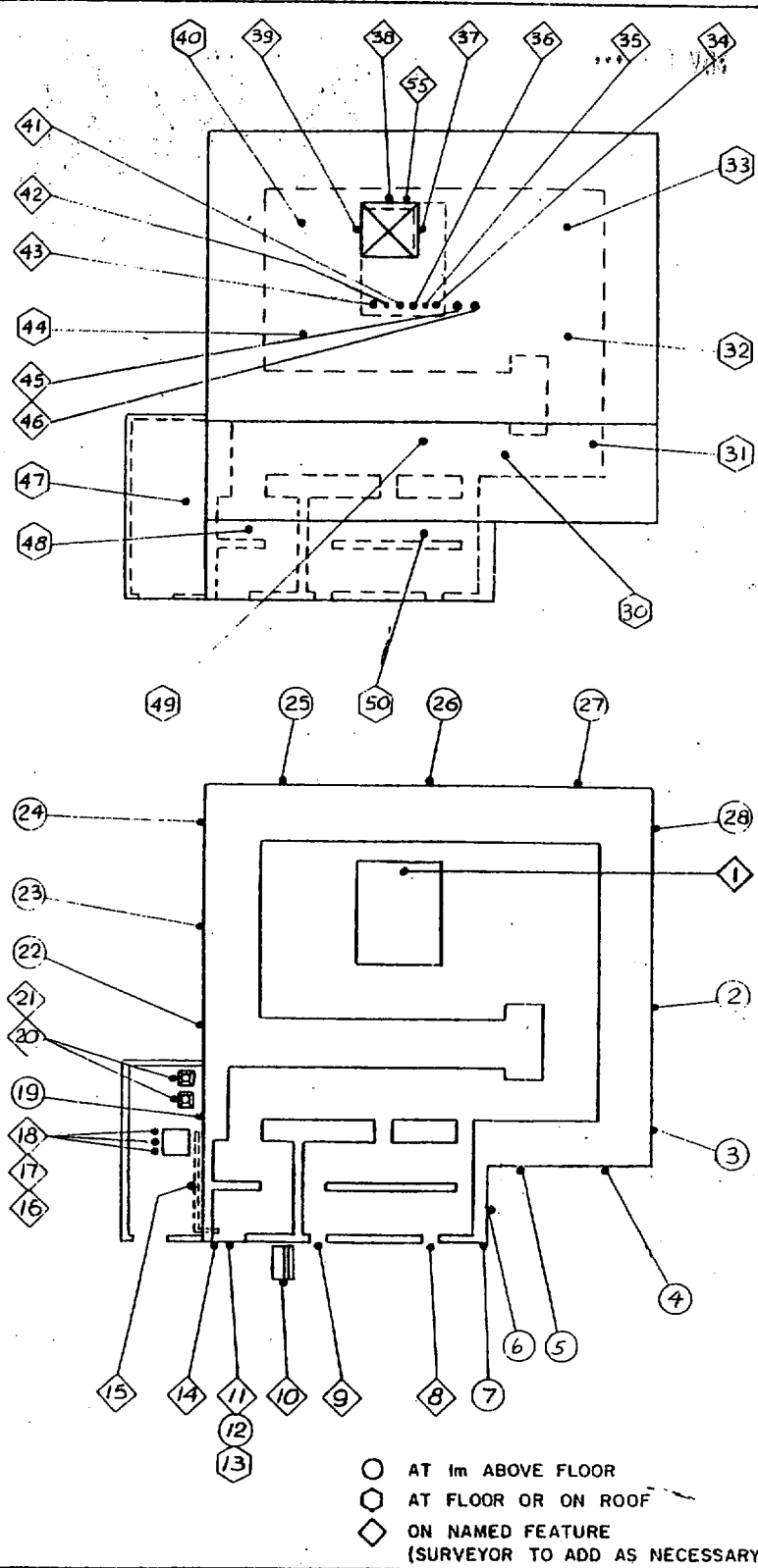
The following is a copy of the most recent radiation survey performed to the Vega Alta Irradiator. This radiation survey was performed on October 7, 1999 after completing the Cobalt 60 loading of 779,51 curies. With this loading the total Cobalt 60 activity as of 3,343,094 curies.

Please include this report as the most recent radiation survey in the Supplemental Information Section 4.4.3 of the Isomedix, Vega Alta, Puerto Rico license number 52-24994-01.

Thank you,

Arnaldo Rosado
Manager, Plant Operations & RSO

PDR ADOUC



ALL READINGS IN mrem/h
 READINGS LESS THAN 0.03 mrem/h
 SHOWN THUS *

NO	READING	REMARKS
1	*	POOL SURFACE**
2	*	
3	*	
4	*	
5	*	
6	*	
7	*	
8	.03	CONVEYOR OUTLET
9	.07	CONVEYOR INLET
10	*	CONTROL CONSOLE
11	.07	TOP OF DOOR
12	.07	
13	.09	
14	.09	DOOR CRACK
15	*	FLOOR TRENCH
16	*	DEIONIZER
17	*	DEIONIZER
18	*	DEIONIZER
19	*	
20	*	AIR FILTER
21	.05	AIR FILTER
22	*	
23	.11	
24	*	
25	*	
26	*	
27	*	
28	*	
29	*	
30	*	
31	*	
32	*	
33	*	
34	*	GUIDE CABLE
35	*	HOIST CABLE
36	*	GUIDE CABLE
37	.06	ROOF PLUG
38	.05	ROOF PLUG
39	*	ROOF PLUG
40	*	
41	*	GUIDE CABLE
42	*	HOIST CABLE
43	*	GUIDE CABLE
44	*	
45	*	AIR SUPPLY LINE
46	*	AIR SUPPLY LINE
47	*	
48	*	
49	*	
50	*	
51		
52		
53		
54		
55	11.0	BASE OF PLUG
56		
57		
58		
59		
60	.12	

ALL READINGS WITH SOURCE
 IN NORMAL IRRADIATION
 POSITION, EXCEPT FOR
 POOL SURFACE** (SOURCE
 DOWN)

Occupancy factors must be such that Non-Radiation Workers do not receive a whole body dose equivalent in any one calendar year in excess of 1 mSv (100 mrem).

The typical and maximum external radiation fields in an unrestricted area shall not exceed 2.5 μSv/h (0.25 mrem/h) and 20 μSv/h (2 mrem/h) respectively. Fields greater than 20 μSv/h (2 mrem/h) are allowed in restricted areas.

SURVEY TO USNRC

SURVEY PERFORMED BY DD RS
 DATE Dec 7th 1999

NORDION INTERNATIONAL INC.
 KANATA (OTTAWA) ONTARIO CANADA

SURVEY INSTRUMENT MODEL Picron 2000
 SERIAL NO. 902E CALIBRATION DATE SEP 13 1999
 SOURCE CONTENT 3,343.094 CURIES
 ON DATE 99/10/01

RADIATION SURVEY REPORT
 AFTER SOURCE INSTALLATION NO. 18
 IN IRJ07 ISOMEDIX
PUERTO RICO
 SHEET 3 OF 3