

ADDENDUM TO FINAL STATUS SURVEY REPORT

IRT CORPORATION; SMN 1405

This report covers the final measurements related to the filling of the activated neutron storage tube in Room 111. Measurements were made just prior to the back-filling operation and upon completion of the operation. The following types of measurements were made:

- 1. Removable beta/gamma and alpha contamination. Instruments 4 and 5 respectively.
- 2. Direct beta/gamma and alpha scans. Instruments 1 and 2 respectively.
- Direct/beta gamma. Instrument 7.
- 4. Direct dose rate at 1 meter above floor level and floor level. Instrument 8.

The figure of Room 111 shows the locations where measurements were made. The location of the backfilled area is shown in the upper left. The cut-off tube is shown as a broken circle. A direct measurement with the HP210/scalar unit, instrument 7 above the tube at floor level prior to the removal of the concrete around the tube and the back-fill gave a count rate no greater than the average room background as measured at 1 meter above ground, approximately 35 cpm. The shielded background of the detection system is 25 cpm. The same is true for the microR dose rate measurement, approximately 16 microR/hr. The wipe survey showed results consistent with the earlier wipe survey previously reported, nothing above MDA. The wipe area again covered a minimum of 1 ft² randomly selected in the areas shown in the figure. Direct beta/gamma measurements were consistent with previously reported data, approximately 57 cpm as in the unaffected areas. The direct dose rate measurements ranged from 14 to 16 microR/hr both at floor level and 1 meter above floor level. The survey results are given in the following table.

AREA	SCANNENG DPM/100 CM(EXP+2)		REMOVABLE DPM/100 CM(EXP+2)		DIRECT	DOSE RATE	
	BETAGAMMA	ALPHA	BETAKAMMA	ALPHA	BETAGAMMA	PLOOR	@1 METER
	<mda< td=""><td>< MDA</td><td><0.9</td><td>< 0.05</td><td>49</td><td>14</td><td>10</td></mda<>	< MDA	<0.9	< 0.05	49	14	10
2	< MDA	< MDA	<0.3	< 0.05	52	16	15
3	< MDA	<moa< td=""><td><0.3</td><td><0.05</td><td>66</td><td>17</td><td>16</td></moa<>	<0.3	<0.05	66	17	16
4	< MOA	< MDA	<0.3	< 0.05	54	16	16
6	<mda< td=""><td><mda< td=""><td><0.3</td><td>< 0.05</td><td>50</td><td>16</td><td>15</td></mda<></td></mda<>	<mda< td=""><td><0.3</td><td>< 0.05</td><td>50</td><td>16</td><td>15</td></mda<>	<0.3	< 0.05	50	16	15
6	<moa< td=""><td><mda< td=""><td><0.3</td><td><0.0E</td><td>57</td><td>14</td><td>15</td></mda<></td></moa<>	<mda< td=""><td><0.3</td><td><0.0E</td><td>57</td><td>14</td><td>15</td></mda<>	<0.3	<0.0E	57	14	15
7	< MDA	< MOA	<0.3	<0.05	57	15	14
8	<mda< td=""><td>< MÓA</td><td><0.3</td><td>< 0.05</td><td>61</td><td>16</td><td>16</td></mda<>	< MÓA	<0.3	< 0.05	61	16	16
9	< MDA	<mda< td=""><td><0.3</td><td><0.05</td><td>50</td><td>15</td><td>14</td></mda<>	<0.3	<0.05	50	15	14
10	<mda< td=""><td>< MOA</td><td>< 0.3</td><td>< 0.05</td><td>60</td><td>16</td><td>15</td></mda<>	< MOA	< 0.3	< 0.05	60	16	15

FINAL SURVEY 3030 CALLAN ROAD-JANUARY 25, 1994

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MALING ADORESS. P D BOX 35 117, SAN DEEGG, CA 92186-517



SOURCE STORAGE ROOM - 111

M2C 1/26/99



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AREA	BCANNING DPM/100 CM(EXP+2)		3 EMOVABLE DPM. 100 CM(EXP+2)		DIRECT	DOSE RATE MICRO/HR	
	BETAGAMMA	ALTHA	BETAZOAMMA	ALPHA	BETAKAMMA	MOOR	@1 METER
1	< MDA	< MDA	<0.3	< 0.05	49	1.4	18
2	< MOA	< MOA	<0.3	×0.05	52	6	15
- 0	< MOA	<moa< td=""><td>×0.3</td><td><0.05</td><td>56</td><td>17</td><td>15</td></moa<>	×0.3	<0.05	56	17	15
	< MDA	«MDA	<0.3	< 0.05	54	16	16
6	< MOA	< MDA	<0.3	<0.06	50	18	16
6	K SADA	< MOA	<0.3	<0.05	57	14	15
7	< MDA	<140A	<0.3	<0.05	57	15	14
8	< MDA	«MDA	×0.3	<0.05	51	16	18
9	< MOA	<moa< td=""><td><0.3</td><td>< 0.05</td><td>50</td><td>15</td><td>14</td></moa<>	<0.3	< 0.05	50	15	14
10	< MDA	< MOA	<0.3	<0.05	60	16	15

FINAL SURVEY 3000 CALLAN ROAD- JANUARY 26, 1994

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MAILING ADDRESS P O BOX 85112 SAN DIEGO CA 92186 5117



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AREA	SCANNING DPM/100 CM(EXP+2)		REMOVABLE DFM/100 CM(EXP+2)		DIRECT	DOSE RATE MICRO/HR	
	BETAGAMMA	ALTHA	BETAMAMMA	ALFHA	BETAGAMMA	PLOOR	@1 METER
	< MDA	< MDA	<0.9	< 0.05	49	14	16
2	< MDA	< MOA	<0.3	< 0.05	52	16	15
3	< MDA	< MOA	<0.3	<0.05	60	57	15
4	AOMA	< MDA	×0.9	< 0.06	64	16	16
6	< MOA	< MDA	<0.9	<0.06	50	16	15
8	< MOA	< MDA	<0.3	< 0.05	57	1.4	15
7	< MDA	<moa< td=""><td><0.3</td><td>< 0.05</td><td>57</td><td>25</td><td>14</td></moa<>	<0.3	< 0.05	57	25	14
8	<mda< td=""><td>< MOA</td><td><0.3</td><td><0.05</td><td>51</td><td>16</td><td>16</td></mda<>	< MOA	<0.3	<0.05	51	16	16
9	< MDA	< MDA	<0.3	<0.05	59	15	14
10	< MOA	< MOA	<0.3	< 0.05	60	16	15

FINAL SURVEY 3030 CALLAN ROAD-JANUARY 26, 1994

COMPORATE HEADOLUMERY 1010/CORNERTONE TOURT WEST AN ISRAELY A 100 (01/2019/04/14/17/05/2014/17/07) FAX 16/07/6/2 8868

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