

OPEN LANI

Survey Unit	Description	Area	Continuing Characterization				Classification				Investigation and/or Judgmental Measurements Taken	Reason for Investigation and/or Judgmental Measurements	Actions Taken Based on Investigation and/or Judgmental Measurements
		(m <sup>2</sup> )	Required	Surveys Performed	Synopsis of Results	Prompted Changes to Ratios or Mixtures	(Initial)	ReClassified	Reason	(Final)			
10201A	NE Corner of Restricted Area - Lakeshore	1,554	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10201B	NE Corner of Restricted Area - Lakeshore	1,427	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10201C	NE Corner of Restricted Area - Lakeshore	1,379	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10201D	NE Corner of Restricted Area - Lakeshore	1,472	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10202A	IRSF/Fire Training Area	1,757	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10202B	IRSF/Fire Training Area	1,711	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10202C	IRSF/Fire Training Area	1,696	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10202D	IRSF/Fire Training Area	1,680	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10203A	East Training Area	1,999	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10203B	East Training Area	1,977	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Bkgd, Pathway	None
10203C	East Training Area	1,871	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Bkgd	None
10203D	East Training Area	1,993	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Bkgd	None
10203E	East Training Area	1,886	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	75% of OpDCGL	None
10203F	East Training Area	1,888	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10204A	North Gate Area	2,231	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10204B	North Gate Area	1,549	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10204C	North Gate Area	1,547	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10204D	North Gate Area	1,545	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10205	Switchyard	54,573	No	None	N/A	No	3	No	N/A	3	No	N/A	N/A
10206A	Station Construction Area	2,844	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10206B	Station Construction Area	1,837	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10206C	Station Construction Area	1,833	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10206D	Station Construction Area	1,829	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10206E	Station Construction Area	1,825	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10207A	North Warehouse Area	2,675	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Remediation & Resurvey
10207B	North Warehouse Area	1,736	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10207C	North Warehouse Area	1,735	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed 2 particles
10207D	North Warehouse Area	1,733	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10207E	North Warehouse Area	1,731	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10208A	South Warehouse Area	2,460	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Sample Relocation	None
10208B	South Warehouse Area	1,835	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10208C	South Warehouse Area	1,868	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10208D	South Warehouse Area	1,827	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10209A	Restricted Area South of Gate House	1,966	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10209B	Restricted Area South of Gate House	1,977	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10209C	Restricted Area South of Gate House	1,970	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10209D	Restricted Area South of Gate House	1,586	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10209E	Restricted Area South of Gate House	1,560	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10210A	Restricted Area South of Turbine Building	1,788	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10210B	Restricted Area South of Turbine Building	1,913	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10210C	Restricted Area South of Turbine Building	1,893	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10211A	SE Corner of Restricted Area (Lakeshore)	1,536	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10211B	SE Corner of Restricted Area (Lakeshore)	1,663	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10212A	NE Corner of Exclusion Area - Lakeshore	9,550	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10212A	2	Yes	Elev Scans	None
10212B	VCC Construction Area	16,154	No	None	N/A	No	3	No	N/A	3	Yes	Elev Scans	None
10212C	NE Corner of Exclusion Area - Lakeshore	1,744	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10212A	1	No	N/A	N/A
10212D	NE Corner of Exclusion Area - Lakeshore	1,490	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10212A	1	Yes	Sample Relocation	None
10213A	NE Corner of Exclusion Area	5,730	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10213A	2	No	N/A	N/A
10213B	NE Corner of Exclusion Area	1,994	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10213A	1	Yes	Elev Scans	Remediation & Resurvey
10213C	NE Corner of Exclusion Area	1,934	No	None	N/A	No	3	Yes	Reclassified Due to Failure of FSS in Class 3 10213A	1	Yes	Elev Scans	None
10214A	Construction Parking Area	8,542	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	2	Yes	Elev Scans	None

10214B	Construction Parking Area	7,372	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	2	Yes	Elev Scans	None
10214C	Construction Parking Area	7,579	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	2	Yes	Elev Scans	Created Class 1 SU 10214F
10214D	Construction Parking Area	8,946	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	2	Yes	Elev Scans	Created Class 1 SU 10214E
10214E	Construction Parking Area	1,989	No	None	N/A	No	3	Yes	Reclassified Due to Discovery of particle in 10214D	1	Yes	Elev Scans	None
10214F	Construction Parking Area	1,661	No	None	N/A	No	3	Yes	Reclassified Due to Discovery of particle in 10214C	1	Yes	Elev Scans	None
10219A	Area Far South of Switchyard	2,433	No	None	N/A	No	3	No	N/A	3	Yes	Water pathway	None
10219B	Area Far South of Switchyard	7,516	No	None	N/A	No	3	No	N/A	3	No	N/A	N/A
10220A	SE Corner of Exclusion Area – Lakeshore	2,025	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed 2 particles
10220B	SE Corner of Exclusion Area - Inland	1,696	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Water pathway	None
10220C	Adjacent of South Restricted Area (Lakeshore)	27,870	No	None	N/A	No	3	No	N/A	3	Yes	Water pathway	None
10220D	SE Corner of Exclusion Area - Inland	1,475	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10220E	SE Corner of Exclusion Area - Inland	1,976	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10220F	SE Corner of Exclusion Area - Inland	1,578	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10220G	SE Corner of Exclusion Area - Inland	1,674	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10220H	SE Corner of Exclusion Area – Lakeshore	2,088	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Activity in Adjacent SU	None
10220I	SE Corner of Exclusion Area – Lakeshore	2,060	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Remediation & Resurvey
10220J	SE Corner of Exclusion Area - Inland	2,030	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10221A	South of Protected Area - Inland	1,976	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Remediation & Resurvey
10221B	South of Protected Area - Inland	1,855	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
10221C	South of Protected Area - Inland	1,959	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
10221D	South of Protected Area - Inland	1,697	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Remediation & Resurvey
10221E	South of Protected Area - Lakeshore	1,975	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10221F	South of Protected Area - Lakeshore	1,968	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10221G	South of Protected Area - Lakeshore	1,956	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10221H	South of Protected Area - Lakeshore	1,994	No	None	N/A	No	3	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
10222	North Beach Area	21,788	No	None	N/A	No	NI	Yes	Potential Radiological Impact from Decommissioning Pathways	3	No	N/A	N/A
10223	Power Block Beach Area	12,371	No	None	N/A	No	NI	Yes	Potential Radiological Impact from Decommissioning Pathways	3	No	N/A	N/A
10224	South Beach Area	14,608	No	None	N/A	No	NI	Yes	Potential Radiological Impact from Decommissioning Pathways	3	Yes	Elev Scans	None
10301	West Training Area	55,942	No	None	N/A	No	NI	Yes	Potential Radiological Impact from Decommissioning Pathways	3	Yes	Elev Scans	None
12101	WWTF Sludge Drying Bed Area	2,036	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
12102	WWTF Sludge Drying Bed Area	2,024	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
12103	WWTF Sludge Drying Bed Area	2,034	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
12104	North Half of Unit 2 Containment	1,940	Section 5.3.4.4, 7th bullet	2 GeoProbe Samples at 32 feet	Release Record Table 17	No	1	No	N/A	1	No	N/A	N/A
12105	South Half of Unit 2 Containment	1,938	Section 5.3.4.4, 7th bullet	4 GeoProbe Samples at 32 feet	Release Record Table 17	No	1	No	N/A	1	No	N/A	N/A
12106	North Half of Fuel & Auxiliary Buildings	1,936	Section 5.3.4.4, 7th bullet	1 GeoProbe Sample at 32 feet	Release Record Table 17	No	1	No	N/A	1	No	N/A	N/A
12107	South Half of Fuel & Auxiliary Buildings	1,934	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
12108	North Half of Unit 1 Containment	1,933	Section 5.3.4.4, 7th bullet	5 GeoProbe Samples at 32 feet	Release Record Table 13	No	1	No	N/A	1	No	N/A	N/A
12109	South Half of Unit 1 Containment	1,931	Section 5.3.4.4, 6th & 7th bullet	1 GeoProbe Sample at 32 feet	Release Record Table 13	No	1	No	N/A	1	No	N/A	N/A
12110	Yard Between Unit 1 Containment and Turbine	1,740	Section 5.3.4.4, 6th bullet	Soils Completely Removed	Release Record Sect. 3 text	No	1	No	N/A	1	No	N/A	N/A
12111	South Yard Area Northeast of Gate House	1,964	No	None	N/A	No	1	No	N/A	1	Yes	Elev Scans	None
12112	Unit 1 PWST/SST Area West	1,693	No	None	N/A	No	1	No	N/A	1	Yes	Elev Scans	None
12113	Unit 1 PWST/SST Area West	1,658	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
12201A	North Protected Area Yard	1,992	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12201B	North Protected Area Yard	1,995	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12201C	North Protected Area Yard	1,968	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12201D	North Protected Area Yard	1,842	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Removed particle
12201E	North Protected Area Yard	1,902	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12202A	Gate House and Southwest Yard	1,998	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12202B	Gate House and Southwest Yard	1,999	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12202C	Gate House and Southwest Yard	1,894	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12202D	Gate House and Southwest Yard	1,663	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12202E	Gate House and Southwest Yard	1,845	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Bkgd	None
12202F	Gate House and Southwest Yard	1,858	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Bkgd	None
12203A	Under Service Building and Southeast Yard	1,988	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	Remediation & Resurvey

12203B	Under Service Building and Southeast Yard	1,989	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12203C	Under Service Building and Southeast Yard	1,955	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12203D	Under Service Building and Southeast Yard	1,635	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12204A	Crib House Area	1,943	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12204B	Crib House Area	1,971	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12204C	Crib House Area	1,994	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12205A	Area Under the Turbine Building	1,809	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None
12205B	Area Under the Turbine Building	1,814	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12205C	Area Under the Turbine Building	1,818	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12205D	Area Under the Turbine Building	1,821	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	No	N/A	N/A
12205E	Area Under the Turbine Building	1,825	No	None	N/A	No	2	Yes	Potential Radiological Impact from Structural Demo	1	Yes	Elev Scans	None

STRUCTURAL SURVEY UNITS (C)

Survey Unit	Description	Area (m <sup>2</sup> )	Continuing Characterization				Classification				Investigation and/or Judgmental Measurements Taken	Reason for Investigation and/or Judgmental Measurements	Actions Taken Based on Investigation and/or Judgmental Measurements
			Required	Surveys Performed	Synopsis of Results	Changes to Ratios or Mixtures Necessary	(Initial)	ReClassified	Reason	(Final)			
01100	Unit 1 CTMT above 565 ft.	2,465	Section 5.3.4.4, 9th bullet	Smear Survey of Liner	Release Record Sect. 3 text	No	1	No	N/A	1	No	N/A	N/A
01110	Unit 1 CTMT Under-vessel	294	Section 5.3.4.4, 2nd bullet	16 concrete cores	Release Record Tables 4, 5 & 6	Yes	1	No	N/A	1	No	N/A	N/A
01111	Unit 1 CTMT IC-Sump Drain	0.86	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
01112	Unit 1 CTMT Penetrations	255	No	None	N/A	No	2	Yes	Potential Radiological Impact from System Demo	1	No	N/A	N/A
02100	Unit 2 CTMT above 565 ft	2,465	Section 5.3.4.4, 9th bullet	Smear Survey of Liner	Release Record Sect. 3 text	No	1	No	N/A	1	No	N/A	N/A
02110	Unit 2 CTMT Under-Vessel Area	294	Section 5.3.4.4, 2nd bullet	16 concrete cores	Release Record Tables 4, 5 & 6	Yes	1	No	N/A	1	No	N/A	N/A
02112	Unit 2 CTMT Penetrations	253	No	None	N/A	No	2	Yes	Potential Radiological Impact from System Demo	1	No	N/A	N/A
03202	SFP/Transfer Canal	723	Section 5.3.4.4, 1st bullet	8 concrete cores	Release Record Tables 2 & 3	No	1	No	N/A	1	No	N/A	N/A
05100	Auxiliary Building Basement	7,226	Section 5.3.4.4, 3rd, 4th 5th bullet	32 concrete cores	Release Record Tables 3 & 4	No	1	No	N/A	1	Yes	Uneven, rough surfaces	None
05119	Auxiliary Building Embedded Floor Drains	294	No	None	N/A	No	1	No	N/A	1	No	N/A	N/A
05120	Auxiliary Building Penetrations	15	No	None	N/A	No	2	Yes	Potential Radiological Impact from System Demo	1	No	N/A	N/A
06100	Turbine Building Basement	27,135	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Investigation of Potential	None
06105A	Circulating Water Discharge Pipe	1,075	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Systematic Not Possible	None
09200	Unit 1 & 2 Circulating Water Discharge Tunnels	4,868	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Systematic Not Possible	None
06105B	Turbine Building Embedded Pipe	238	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
06107	Unit 1 Turbine Building Buttress Pit	1,596	No	None	N/A	No	2	No	N/A	2	Yes	Systematic Not Possible	None
06108	Unit 2 Turbine Building Buttress Pit	1,596	No	None	N/A	No	2	No	N/A	2	Yes	Systematic Not Possible	None
06201	Unit 1 Turbine Building 570' Diesel Fuel Storage	813	No	None	N/A	No	2	Yes	Pathway out of Aux Bldg During Demo	1	Yes	Addition to Systematic	None
06202	Unit 2 Turbine Building 570' Diesel Fuel Storage	813	No	None	N/A	No	2	Yes	Pathway out of Aux Bldg During Demo	1	Yes	Addition to Systematic	None
06209	Unit 1 Steam Tunnel Floor Drain	47	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
06210	Unit 2 Steam Tunnel Floor Drain	46	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
06211	Unit 1 Tendon Tunnel Floor Drain	51	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
06212	Unit 2 Tendon Tunnel Floor Drain	42	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
06213	Unit 1 Steam Tunnel East Valve House	304	No	None	N/A	No	2	Yes	Failed initial FSS	1	Yes	Addition to Systematic	None
06214	Unit 1 Steam Tunnel West Valve House	304	No	None	N/A	No	2	Yes	Failed initial FSS	1	Yes	Addition to Systematic	None
06215	Unit 2 Steam Tunnel East Valve House	240	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Addition to Systematic	None
06216	Unit 2 Steam Tunnel West Valve House	240	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Addition to Systematic	None
08100	Crib House	8,435	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	No	N/A	N/A
08401	Forebay	5,407	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	3	Yes	Addition to Systematic	None
08102A/B	Unit 1 & 2 Circulating Water Intake Pipes	4,412	No	None	N/A	No	3	Yes	LTP Ch. 5 Table 5-19	3	Yes	Addition to Systematic	None
09100	Waste Water Treatment Facility (WWTF)	1,124	No	None	N/A	No	2	Yes	LTP Ch. 5 Table 5-19	1	No	N/A	N/A

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Survey Unit	Description	Area (m <sup>2</sup> )	Continuing Characterization				Classification				Investigation and/or Judgmental Measurements Taken	Reason for Investigation and/or Judgmental Measurements	Actions Taken Based on Investigation and/or Judgmental Measurements
			Required	Surveys Performed	Synopsis of Results	Prompted Changes to Ratios or Mixtures	(Initial)	ReClassified	Reason	(Final)			
00101A	Condensate Feed Water Supply and Recirculation	228	No sediment available	None	N/A	No	3	No	N/A	3	No	N/A	N/A
00101B	Primary Water Supply Header	29	No sediment available	None	N/A	No	3	Yes	Activity identified in downstream Tank	2	No	N/A	N/A
00101F	Diesel Generator Service Water Supply and Return Pipe	89	No sediment available	None	N/A	No	3	No	N/A	3	No	N/A	N/A
00101H	Service Water Supply Header	488	No sediment available	None	N/A	No	3	No	N/A	3	No	N/A	N/A
00150A	North Yard Drain Pipe	204	No	None	N/A	No	NI	Yes	Discovery of detectable plant derived activity in sediment	2	No	N/A	N/A

D SURVEY UNITS

# of Measurements				Spacing	Mean OpSOF	Max OpSOF	# OpSOF > 1	Mean BcSOF	Adj to BcSOF due to Elev Measure	Adj Mean BcSOF	Dose to Survey Unit	Radionuclide Statistical Summary						# of HTD Samples (FSS)	HTD ROC Analysis (FSS)			
												Co-60			Cs-137				Ni-63		Sr-90	
												Max	Mean	St Dev	Max	Mean	St Dev		Max Conc	MDC	Max Conc	MDC
NP	Judg	Inv	QC	(m)							(mrem/yr)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)		(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	
17	0	0	1	10.3	0.047	0.080	0	0.012	0.000	0.012	0.299	6.18E-02	2.39E-02	1.80E-02	7.81E-02	3.00E-02	2.30E-02	2	<MDC	4.12E+00	<MDC	6.72E-01
17	0	0	1	9.8	0.047	0.097	0	0.012	0.000	0.012	0.303	7.11E-02	2.47E-02	2.00E-02	7.92E-02	3.32E-02	2.80E-02	2	<MDC	4.14E+00	<MDC	7.08E-01
17	0	0	1	9.7	0.045	0.088	0	0.012	0.000	0.012	0.288	4.82E-02	2.31E-02	1.70E-02	1.20E-01	3.53E-02	2.90E-02	2	<MDC	3.10E+00	<MDC	6.28E-01
17	0	0	2	10.0	0.060	0.144	0	0.015	0.000	0.015	0.385	9.58E-02	3.33E-02	2.60E-02	1.35E-01	4.12E-02	3.30E-02	2	1.49E+01	3.13E+00	<MDC	6.27E-01
17	0	0	1	10.7	0.055	0.100	0	0.014	0.000	0.014	0.354	6.99E-02	3.22E-02	1.70E-02	7.52E-02	4.12E-02	2.30E-02	2	<MDC	3.99E+00	<MDC	5.30E-01
17	0	0	3	10.8	0.046	0.085	0	0.012	0.000	0.012	0.292	6.65E-02	2.57E-02	1.80E-02	9.33E-02	4.38E-02	2.00E-02	3	<MDC	4.20E+00	<MDC	6.07E-01
17	0	0	1	10.7	0.050	0.091	0	0.013	0.000	0.013	0.319	5.78E-02	2.71E-02	2.00E-02	8.30E-02	4.17E-02	2.30E-02	2	<MDC	4.10E+00	<MDC	6.69E-01
17	0	0	1	10.7	0.054	0.138	0	0.014	0.000	0.014	0.348	9.30E-02	2.78E-02	2.50E-02	1.19E-01	5.73E-02	3.70E-02	2	<MDC	4.02E+00	<MDC	5.95E-01
17	0	0	1	11.7	0.038	0.092	0	0.010	0.000	0.010	0.244	6.95E-02	1.78E-02	1.90E-02	9.90E-02	4.41E-02	3.00E-02	2	<MDC	3.56E+00	<MDC	9.51E-01
17	6	0	2	11.6	0.050	0.127	0	0.013	0.000	0.013	0.321	6.48E-02	2.21E-02	2.30E-02	2.18E-01	5.17E-02	5.70E-02	4	<MDC	3.46E+00	<MDC	1.03E+00
17	3	0	2	11.3	0.037	0.090	0	0.010	0.000	0.010	0.238	5.00E-02	1.79E-02	1.60E-02	8.18E-02	3.20E-02	2.20E-02	2	<MDC	3.33E+00	<MDC	1.12E+00
17	1	0	2	11.6	0.041	0.122	0	0.011	0.000	0.011	0.263	5.54E-02	2.33E-02	1.50E-02	1.24E-01	3.43E-02	2.80E-02	2	<MDC	3.33E+00	<MDC	9.49E-01
17	0	3	2	11.3	0.050	0.106	0	0.013	0.000	0.013	0.323	6.66E-02	2.99E-02	2.30E-02	9.02E-02	3.90E-02	2.90E-02	2	<MDC	3.56E+00	<MDC	1.02E+00
17	0	0	1	11.3	0.028	0.078	0	0.007	0.000	0.007	0.181	4.89E-02	1.55E-02	1.40E-02	3.56E-02	1.02E-02	1.10E-02	2	<MDC	3.26E+00	<MDC	6.12E-01
19	0	0	2	11.6	0.044	0.085	0	0.011	0.000	0.011	0.283	5.57E-02	2.29E-02	1.40E-02	6.17E-02	2.45E-02	1.90E-02	3	<MDC	3.45E+00	<MDC	8.49E-01
17	0	2	2	10.3	0.037	0.095	0	0.009	0.000	0.009	0.235	6.02E-02	1.77E-02	1.90E-02	6.17E-02	2.94E-02	2.10E-02	2	<MDC	3.89E+00	<MDC	9.37E-01
17	0	0	1	10.3	0.056	0.102	0	0.014	0.000	0.014	0.361	6.50E-02	3.52E-02	1.90E-02	1.14E-01	3.73E-02	2.40E-02	2	<MDC	3.23E+00	<MDC	7.12E-01
17	0	1	2	10.2	0.043	0.084	0	0.011	0.000	0.011	0.279	6.36E-02	2.37E-02	1.70E-02	5.68E-02	2.48E-02	1.90E-02	2	<MDC	3.27E+00	<MDC	9.24E-01
14	0	0	1	Random	0.016	0.031	0	0.004	0.000	0.004	0.102	2.27E-02	8.85E-03	6.73E-03	3.42E-02	1.11E-02	1.09E-02	1	<MDC	4.76E-01	<MDC	3.50E-01
24	0	0	2	11.7	0.061	0.422	0	0.016	0.000	0.016	0.392	5.18E-02	2.11E-02	1.70E-02	1.52E+00	9.90E-02	3.04E-01	4	<MDC	3.29E+00	<MDC	7.60E-01
17	0	4	3	11.9	0.048	0.117	0	0.012	0.000	0.012	0.309	6.61E-02	2.64E-02	2.30E-02	7.91E-02	3.97E-02	2.20E-02	3	<MDC	3.27E+00	<MDC	7.39E-01
17	0	0	1	11.9	0.058	0.106	0	0.015	0.000	0.015	0.370	5.18E-02	2.70E-02	1.60E-02	9.11E-02	5.55E-02	2.40E-02	2	8.77E+00	3.12E+00	<MDC	7.51E-01
17	0	1	2	11.1	0.069	0.198	0	0.018	0.000	0.018	0.440	1.56E-01	3.99E-02	3.40E-02	1.26E-01	6.45E-02	3.10E-02	2	<MDC	3.14E+00	<MDC	7.69E-01
17	0	0	1	11.1	0.028	0.104	0	0.007	0.000	0.007	0.180	8.29E-02	1.73E-02	2.20E-02	5.37E-02	1.70E-02	1.70E-02	2	<MDC	3.22E+00	<MDC	8.20E-01
23	4	26	4	11.6	0.136	1.345	1	0.035	0.000	0.035	0.869	1.51E-01	3.31E-02	3.20E-02	4.26E+00	3.14E-01	8.88E-01	15	<MDC	3.53E+00	<MDC	8.31E-01
17	0	10	2	10.9	0.038	0.085	0	0.010	0.000	0.010	0.243	6.19E-02	2.05E-02	2.10E-02	1.03E-01	3.65E-02	2.50E-02	4	<MDC	3.26E+00	<MDC	9.90E-01
17	0	11	2	10.9	0.069	0.150	0	0.018	0.000	0.018	0.441	1.04E-01	3.87E-02	3.00E-02	1.78E-01	6.00E-02	3.80E-02	4	<MDC	3.58E+00	<MDC	8.84E-01
17	1	2	2	10.8	0.052	0.110	0	0.013	0.000	0.013	0.333	5.88E-02	2.59E-02	1.90E-02	8.72E-02	4.06E-02	2.80E-02	3	<MDC	3.38E+00	<MDC	7.69E-01
17	0	0	1	10.8	0.044	0.096	0	0.011	0.000	0.011	0.282	6.78E-02	2.65E-02	2.10E-02	6.34E-02	3.34E-02	1.60E-02	2	<MDC	3.21E+00	<MDC	7.82E-01
21	1	0	2	11.6	0.046	0.089	0	0.012	0.000	0.012	0.297	6.13E-02	2.71E-02	1.70E-02	8.74E-02	3.43E-02	2.30E-02	3	<MDC	3.11E+00	<MDC	6.58E-01
17	0	0	1	11.2	0.047	0.095	0	0.012	0.000	0.012	0.300	6.05E-02	2.67E-02	2.20E-02	9.88E-02	3.76E-02	3.60E-02	3	<MDC	3.27E+00	<MDC	5.88E-01
17	0	4	2	11.3	0.045	0.083	0	0.012	0.000	0.012	0.291	6.33E-02	2.58E-02	2.00E-02	5.92E-02	2.27E-02	2.10E-02	3	<MDC	3.26E+00	<MDC	6.39E-01
17	0	10	2	11.1	0.042	0.086	0	0.011	0.000	0.011	0.272	5.35E-02	2.44E-02	1.70E-02	5.54E-02	2.37E-02	1.50E-02	4	<MDC	3.51E+00	<MDC	9.56E-01
17	0	5	2	11.6	0.041	0.077	0	0.011	0.000	0.011	0.264	4.52E-02	2.19E-02	1.50E-02	7.12E-02	2.87E-02	2.70E-02	3	<MDC	3.60E+00	<MDC	6.41E-01
17	0	0	1	11.6	0.047	0.090	0	0.012	0.000	0.012	0.304	6.78E-02	2.39E-02	2.00E-02	1.22E-01	3.78E-02	3.20E-02	2	<MDC	3.31E+00	<MDC	8.29E-01
</																						



17	0	1	2	22.4	0.038	0.085	0	0.010	0.000	0.010	0.243	4.62E-02	2.00E-02	1.60E-02	8.78E-02	2.65E-02	2.90E-02	2	<MDC	3.68E+00	<MDC	8.56E-01
17	0	6	2	22.7	0.035	0.067	0	0.009	0.000	0.009	0.227	3.98E-02	1.78E-02	1.20E-02	9.50E-02	1.96E-02	2.60E-02	2	<MDC	3.30E+00	<MDC	9.75E-01
17	1	6	2	24.7	0.036	0.101	0	0.009	0.000	0.009	0.232	6.20E-02	1.59E-02	1.60E-02	1.45E-01	3.44E-02	4.10E-02	3	<MDC	3.42E+00	<MDC	9.31E-01
17	0	2	2	11.6	0.030	0.090	0	0.008	0.000	0.008	0.195	5.60E-02	1.50E-02	1.50E-02	5.87E-02	2.05E-02	1.80E-02	2	<MDC	3.25E+00	<MDC	8.80E-01
17	0	1	2	10.6	0.043	0.086	0	0.011	0.000	0.011	0.278	5.87E-02	2.05E-02	1.90E-02	5.44E-02	2.16E-02	1.60E-02	2	<MDC	4.79E+00	<MDC	9.31E-01
14	8	0	2	Random	0.037	0.085	0	0.009	0.000	0.009	0.235	6.34E-02	1.44E-02	1.61E-02	9.07E-02	4.71E-02	2.65E-02	2	<MDC	2.26E+00	<MDC	7.40E-01
14	0	0	1	Random	0.082	0.198	0	0.021	0.000	0.021	0.525	5.65E-02	1.38E-02	1.50E-02	5.86E-01	2.15E-01	1.43E-01	2	<MDC	1.41E+00	<MDC	4.41E-01
23	0	13	3	10.1	0.058	0.298	0	0.014	0.000	0.014	0.348	2.34E-01	3.36E-02	4.70E-02	6.63E-02	3.40E-02	2.10E-02	3	5.17E+00	3.34E+00	<MDC	9.87E-01
14	1	0	1	11.8	0.047	0.111	0	0.012	0.000	0.012	0.302	7.49E-02	2.43E-02	2.10E-02	7.63E-02	3.27E-02	2.40E-02	2	<MDC	2.17E+00	<MDC	6.34E-01
14	5	0	1	Random	0.059	0.098	0	0.015	0.000	0.015	0.377	2.93E-02	7.82E-03	9.47E-03	3.52E-01	1.67E-01	1.13E-01	2	<MDC	2.37E+00	<MDC	8.00E-01
15	0	0	1	10.7	0.027	0.061	0	0.007	0.000	0.007	0.173	2.77E-02	8.91E-03	9.00E-03	6.64E-02	2.58E-02	2.00E-02	2	<MDC	2.12E+00	<MDC	5.89E-01
15	0	0	1	12.3	0.031	0.081	0	0.008	0.000	0.008	0.196	5.48E-02	1.48E-02	1.70E-02	7.05E-02	2.21E-02	2.40E-02	2	<MDC	2.03E+00	<MDC	6.16E-01
15	0	0	1	11.0	0.037	0.084	0	0.009	0.000	0.009	0.233	4.12E-02	1.94E-02	1.50E-02	7.86E-02	3.06E-02	2.10E-02	2	<MDC	3.06E+00	<MDC	7.45E-01
15	0	0	2	11.4	0.042	0.150	0	0.011	0.000	0.011	0.270	9.82E-02	2.35E-02	2.60E-02	6.09E-02	2.76E-02	2.00E-02	2	<MDC	3.20E+00	<MDC	6.24E-01
17	4	0	2	11.9	0.048	0.100	0	0.012	0.000	0.012	0.307	4.87E-02	2.47E-02	1.70E-02	1.22E-01	4.83E-02	3.10E-02	3	<MDC	3.46E+00	<MDC	1.10E+00
17	5	16	2	11.8	0.038	0.117	0	0.010	0.000	0.010	0.244	7.76E-02	2.00E-02	1.70E-02	9.76E-02	3.30E-02	2.70E-02	7	<MDC	3.81E+00	<MDC	9.43E-01
17	0	0	1	11.7	0.045	0.082	0	0.012	0.000	0.012	0.289	4.51E-02	2.10E-02	1.30E-02	5.74E-02	3.05E-02	1.70E-02	2	<MDC	3.34E+00	<MDC	6.25E-01
22	12	9	6	10.2	0.059	0.189	1	0.015	0.000	0.015	0.379	8.32E-02	3.15E-02	2.00E-02	3.81E-01	5.48E-02	7.90E-02	25	6.33E+00	3.57E+00	<MDC	1.06E+00
17	9	10	3	11.3	0.038	0.116	0	0.010	0.000	0.010	0.245	5.96E-02	1.99E-01	1.90E-02	2.15E-01	3.27E-02	5.10E-02	7	<MDC	3.18E+00	<MDC	7.47E-01
17	8	13	3	11.5	0.067	0.262	0	0.017	0.000	0.017	0.427	1.05E-01	3.19E-02	2.90E-02	4.32E-01	7.78E-02	1.20E-01	6	3.62E+00	3.58E+00	<MDC	9.17E-01
17	7	22	3	10.7	0.045	0.110	0	0.011	0.000	0.011	0.286	4.45E-02	2.35E-02	1.30E-02	2.28E-01	4.36E-02	5.40E-02	19	7.61E+00	3.04E+00	<MDC	1.14E+00
17	0	0	1	11.6	0.055	0.109	0	0.014	0.000	0.014	0.353	8.07E-02	2.90E-02	2.50E-02	1.83E-01	4.56E-02	4.10E-02	2	<MDC	2.25E+00	<MDC	6.16E-01
17	0	0	1	11.6	0.052	0.114	0	0.013	0.000	0.013	0.331	6.63E-02	2.76E-02	2.10E-02	2.15E-01	6.25E-02	5.80E-02	2	<MDC	2.06E+00	<MDC	5.62E-01
17	0	0	1	11.5	0.036	0.065	0	0.009	0.000	0.009	0.233	4.39E-02	1.80E-02	1.50E-02	7.96E-02	3.52E-02	2.30E-02	2	<MDC	3.33E+00	<MDC	8.39E-01
17	0	0	1	11.6	0.025	0.096	0	0.007	0.000	0.007	0.163	4.56E-02	1.24E-02	1.40E-02	6.18E-02	1.95E-02	2.00E-02	2	<MDC	3.32E+00	<MDC	6.65E-01
15	0	0	1	Random	0.046	0.136	0	0.012	0.000	0.012	0.294	4.71E-02	1.65E-02	1.51E-02	2.83E-02	9.69E-03	1.02E-02	2	<MDC	4.89E-01	<MDC	2.95E-01
14	0	0	1	Random	0.012	0.033	0	0.003	0.000	0.003	0.075	1.54E-02	5.20E-03	5.05E-03	1.77E-02	6.44E-03	5.41E-03	3	<MDC	2.99E+00	<MDC	3.89E-01
14	1	0	1	Random	0.017	0.039	0	0.005	0.000	0.005	0.112	1.90E-02	7.68E-03	5.54E-03	2.73E-02	8.67E-03	9.28E-03	2	<MDC	2.13E+00	<MDC	6.86E-01
14	1	2	1	Random	0.041	0.083	0	0.011	0.000	0.011	0.263	1.88E-02	7.81E-03	7.07E-03	2.21E-01	9.03E-02	7.97E-02	2	1.02E+01	2.24E+00	<MDC	7.53E-01
17	0	0	1	11.8	0.055	0.200	0	0.014	0.000	0.014	0.355	1.07E-01	2.45E-02	2.60E-02	2.83E-01	7.57E-02	7.10E-02	4	<MDC	3.55E+00	<MDC	6.33E-01
17	0	0	1	11.7	0.052	0.110	0	0.013	0.000	0.013	0.330	5.51E-02	2.36E-02	1.90E-02	1.38E-01	3.24E-02	4.00E-02	2	<MDC	3.75E+00	<MDC	6.09E-01
17	0	0	1	11.8	0.042	0.089	0	0.011	0.000	0.011	0.271	6.01E-02	2.17E-02	1.70E-02	1.07E-02	3.58E-02	2.20E-02	2	<MDC	3.66E+00	<MDC	6.69E-01
17	0	0	1	11.5	0.034	0.068	0	0.009	0.000	0.009	0.215	5.14E-02	1.89E-02	1.80E-02	4.36E-02	1.55E-02	1.60E-02	2	<MDC	3.71E+00	<MDC	6.22E-01
17	0	0	1	11.5	0.034	0.080	0	0.009	0.000	0.009	0.216	4.85E-02	1.91E-02	1.70E-02	5.74E-02	1.03E-02	1.70E-02	2	<MDC	3.29E+00	<MDC	7.05E-01
17	0	0	1	11.5	0.031	0.053	0	0.008	0.000	0.008	0.198	4.35E-02	1.83E-02	1.50E-02	4.08E-02	1.28E-02	1.50E-02	2	<MDC	3.25E+00	<MDC	7.86E-01
17	0	0	1	11.5	0.038	0.076	0	0.010	0.000	0.010	0.246	6.09E-02	2.54E-02	1.90E-02	4.07E-02	1.16E-02	1.30E-02	2	<MDC	3.33E+00	<MDC	6.42E-01
17	0	0	1	11.5	0.027	0.046	0	0.007	0.000	0.007	0.170	3.33E-02	1.59E-02	1.20E-02	1.35E-02	3.53E-03	5.00E-03	2	<MDC	3.69E+00	<MDC	7.89E-01
17	0	0	1	11.5	0.037	0.131	0	0.009	0.000	0.009	0.236	9.77E-02	2.43E-02	2.50E-02	3.78E-02	1.01E-02	1.30E-02	2	<MDC	3.27E+00	<MDC	5.94E-01
17	0	0	1	10.9	0.053	0.114	0	0.014	0.000	0.014	0.340	7.99E-02	3.78E-02	2.30E-02	2.84E-02	7.66E-03	9.00E-03	2	<MDC	3.52E+00	<MDC	6.21E-01
17	3	0	2	11.6	0.031	0.061	0	0.008	0.000	0.008	0.197	4.82E-02	1.76E-02	1.60E-02	2.82E-02	7.52E-03	1.00E-02	3	<MDC	3.35E+00	<MDC	6.09E-01
17	0	2	3	10.7	0.046	0.093	0	0.018	0.000	0.018	0.449	6.32E-02	3.07E-02	1.80E-02	1.43E-01	7.50E-02	3.30E-02	3	<MDC	2.95E+00	<MDC	6.73E-01
17	0	0	1	10.6	0.046	0.093	0	0.012	0.000	0.012	0.297	7.06E-02	2.65E-02	2.10E-02	1.06E-01	4.52E-02	3.00E-02	2	<MDC	3.00E+00	<MDC	9.38E-01
17	0	0	1	11.6	0.035	0.077	0	0.009	0.000	0.009	0.223	4.61E-02	2.12E-02	1.50E-02	4.45E-02	1.25E-02	1.40E-02	2	<MDC	3.01E+00	<MDC	8.24E-01
17	0	0	1	11.6	0.030	0.068	0	0.008	0.000	0.008	0.190	5.15E-02	1.61E-02	1.70E-02	3.61E-02	1.12E-02	1.40E-02	2	4.14E+00	2.79E+00	<MDC	7.50E-01
17	0	0	1	11.6	0.042	0.093	0	0.011	0.000	0.011	0.268	7.03E-02	2.79E-02	2.10E-02	2.42E-02	1.05E-02	1.00E-02	2	<MDC	3.32E+00	<MDC	7.55E-01
17	3	5	2	11.2	0.061	0.351	0	0.016	0.000	0.016	0.392	3.02E-01	3.69E-02	7.10E-02	1.43E-01	3.98E-02	3.80E-02	3	<MDC	3.23E+00	<MDC	8.47E-01
17	0	0	1	11.4	0.041	0.086	0	0.011	0.000	0.011	0.264	5.84E-02	2.28E-02	1.70E-02	7.72E-02	3.15E-02	2.30E-02	2	<MDC	3.87E+00	<MDC	6.04E-01
17	0	0	1	11.6	0.032	0.094	0	0.008	0.000	0.008	0.206	8.10E-02	2.09E-02	2.40E-02	4.75E-02	7.12E-03	1.30E-02	2	<MDC	3.10E+00	<MDC	6.54E-01
17	0	0	1	11.7	0.032	0.072	0	0.008	0.000	0.008	0.202	4.86E-02	2.04E-02	1.50E-02	4.24E-02	7.50E-03	1.20E-02	2	<MDC	3.25E+00	<MDC	7.64E-01
17	0	0	1	11.3	0.039	0.091	0	0.010	0.000	0.010	0.248	4.79E-02	2.47E-02	1.60E-02	5.65E-02	1.14E-02	1.40E-02	2	<MDC	3.32E+00	<MDC	7.20E-01
17	0	0	1	10.6	0.039	0.092	0	0.010	0.000	0.010	0.252	7.43E-02	2.50E-02	2.10E-02	4.37E-02	1.65E-02	1.50E-02	2	<MDC	3.42E+00	<MDC	8.13E-01
17	2	0	2	11.2	0.024	0.046	0	0.006	0.000	0.006	0.156	3.23E-02	1.28E-02	1.10E-02	4.05E-02	1.32E-02	1.40E-02	2	<MDC	3.52E+00	<MDC	6.35E-01
17	5	0	2	11.2	0.039	0.074	0	0.010	0.000	0.010	0.248	5.52E-02	2.11E-02	1.60E-02	6.61E-02	2.31E-02	2.10E-02	3	<MDC	3.46E+00	<MDC	8.89E-01
17	0	14	4	11.6	0.155	1.																

17	0	0	1	11.6	0.055	0.159	0	0.014	0.000	0.014	0.352	7.84E-02	2.95E-02	2.20E-02	2.40E-01	3.97E-02	5.90E-02	2	<MDC	2.94E+00	<MDC	7.02E-01
17	0	0	1	11.5	0.042	0.074	0	0.011	0.000	0.011	0.268	5.73E-02	1.99E-02	1.70E-02	1.03E-01	3.89E-02	3.00E-02	2	<MDC	2.92E+00	<MDC	7.42E-01
17	0	0	1	10.5	0.055	0.101	0	0.014	0.000	0.014	0.354	6.93E-02	2.84E-02	2.00E-02	1.22E-01	4.68E-02	3.00E-02	2	<MDC	3.00E+00	<MDC	6.35E-01
17	0	0	1	11.5	0.036	0.070	0	0.009	0.000	0.009	0.229	4.45E-02	1.60E-02	1.30E-02	4.84E-02	2.41E-02	1.40E-02	2	<MDC	2.86E+00	<MDC	8.66E-01
17	0	0	1	11.6	0.052	0.118	0	0.013	0.000	0.013	0.335	9.18E-02	2.66E-02	2.00E-02	1.04E-01	4.21E-02	2.70E-02	3	<MDC	3.57E+00	<MDC	7.04E-01
17	0	0	3	11.6	0.060	0.174	0	0.015	0.000	0.015	0.383	5.77E-02	2.55E-02	1.90E-02	4.58E-01	6.33E-02	1.06E-01	2	<MDC	3.04E+00	<MDC	8.08E-01
17	0	2	2	11.1	0.021	0.056	0	0.005	0.000	0.005	0.135	3.77E-02	1.30E-02	1.50E-02	2.99E-02	6.26E-03	9.00E-03	3	<MDC	3.37E+00	<MDC	6.85E-01
17	0	0	1	11.1	0.023	0.055	0	0.006	0.000	0.006	0.150	3.90E-02	1.32E-02	1.30E-02	3.56E-02	5.50E-03	1.10E-02	2	<MDC	3.59E+00	<MDC	7.18E-01
17	0	0	1	11.1	0.034	0.092	0	0.009	0.000	0.009	0.220	6.51E-02	2.12E-02	1.90E-02	4.53E-02	1.35E-02	1.40E-02	2	<MDC	3.95E+00	<MDC	7.66E-01
17	0	0	1	11.1	0.031	0.075	0	0.008	0.000	0.008	0.199	6.71E-02	2.01E-02	1.70E-02	2.09E-02	4.67E-03	7.00E-03	2	<MDC	4.11E+00	<MDC	6.53E-01
17	0	4	2	11.1	0.033	0.083	0	0.008	0.000	0.008	0.211	5.87E-02	1.88E-02	1.60E-02	3.59E-02	4.09E-03	1.00E-02	3	<MDC	3.41E+00	<MDC	6.27E-01

walls, floors, embedded pipe, penetrations)

# of Measurements				Spacing	Mean OpSOF	Max OpSOF	# OpSOF > 1	Mean BcSOF	Adj to BcSOF due to Elev Measure	Adj Mean BcSOF	Dose to Survey Unit	Radionuclide Statistical Summary						# of HTD Samples (FSS)	HTD ROC Analysis (FSS)			
												Co-60			Cs-137				Ni-63		Sr-90	
												Max	Mean	St Dev	Max	Mean	St Dev		Max Conc	MDC	Max Conc	MDC
NP	Judg	Inv	QC	(m)							(mrem/yr)	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )		(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	
164	0	0	9	100% Coverage	0.124	1.156	1	0.017	0.002	0.019	0.463	9.01E+05	7.40E+04	9.91E+04	9.07E+05	1.59E+05	1.41E+05	0	N/A	N/A	N/A	N/A
60	0	0	3	100% Coverage	0.532	0.738	0	0.196	0.000	0.196	4.888	3.90E+06	7.74E+05	1.13E+06	1.32E+07	4.37E+06	3.35E+06	19	9.64E-01	7.10E-01	4.75E+01	1.22E+00
22	0	0	3	1-Foot FOV	0.363	5.793	1	0.029	0.020	0.049	1.221	2.01E+07	1.26E+06	4.26E+06	2.91E+08	1.82E+07	6.15E+07	0	N/A	N/A	N/A	N/A
369	0	0	19	1-Foot FOV	0.564	8.600	43	0.038	0.021	0.059	1.468	1.05E+07	6.87E+05	1.70E+06	1.51E+08	9.92E+06	2.46E+07	0	N/A	N/A	N/A	N/A
164	0	0	9	100% Coverage	0.063	0.985	0	0.009	0.000	0.009	0.219	8.23E+05	4.49E+04	7.74E+04	5.30E+05	6.08E+04	6.71E+04	0	N/A	N/A	N/A	N/A
54	0	0	3	100% Coverage	0.147	0.457	0	0.106	0.000	0.106	2.650	4.60E+06	8.54E+05	1.33E+06	1.11E+07	1.71E+06	2.23E+06	19	1.61E+00	9.09E-01	4.94E+01	8.89E+00
369	0	0	20	1-Foot FOV	0.121	0.685	0	0.008	0.000	0.008	0.206	8.35E+05	1.48E+05	1.10E+05	1.21E+07	2.13E+06	1.59E+06	0	N/A	N/A	N/A	N/A
76	0	0	4	100% Coverage	0.139	1.843	2	0.029	0.004	0.033	0.829	3.15E+05	6.39E+04	5.68E+04	1.40E+07	9.48E+05	2.24E+06	8	<MDC	3.10E+00	<MDC	5.66E-01
425	0	5	23	100% Coverage	0.143	2.189	16	0.046	0.029	0.075	1.868	2.46E+07	8.88E+05	3.17E+06	7.46E+07	3.15E+06	6.86E+06	46	5.91E+02	1.86E+00	8.94E-01	8.80E-01
2636	0	0	180	1-Foot FOV	0.170	0.839	0	0.007	0.000	0.007	0.170	N/A	N/A	N/A	N/A	N/A	N/A	5	1.39E+04	2.39E+01	4.57E+01	8.84E+00
66	0	0	5	1-Foot FOV	0.027	0.279	0	0.002	0.000	0.002	0.053	1.43E+05	1.37E+04	2.93E+04	1.17E+07	1.12E+06	2.40E+06	0	N/A	N/A	N/A	N/A
28	24	0	3	Random	0.246	1.346	1	0.021	0.000	0.021	0.523	1.73E+05	7.45E+04	6.89E+04	1.69E+06	1.56E+05	3.15E+05	0	N/A	N/A	N/A	N/A
0	4	0	0	Biased	0.146	0.417	0	0.012	0.000	0.012	0.310	2.64E+05	7.89E+04	1.24E+05	1.26E+05	6.41E+04	6.00E+04	0	N/A	N/A	N/A	N/A
0	15	0	2	Biased	0.285	2.252	2	0.119	0.008	0.127	3.180	9.51E+06	1.18E+06	3.02E+06	2.69E+05	5.40E+04	9.05E+04	0	N/A	N/A	N/A	N/A
134	0	0	14	1-Foot FOV	0.011	0.028	0	0.001	0.000	0.001	0.011	2.37E+04	9.73E+03	4.10E+03	1.95E+06	8.00E+05	3.37E+05	0	N/A	N/A	N/A	N/A
0	7	0	1	Biased	0.011	0.034	0	0.001	0.000	0.001	0.023	1.09E+04	4.95E+03	3.54E+03	2.92E+04	6.95E+03	1.01E+04	0	N/A	N/A	N/A	N/A
0	6	0	1	Biased	0.010	0.022	0	0.001	0.000	0.001	0.021	5.66E+03	2.47E+03	2.09E+03	6.90E+03	5.32E+03	1.74E+03	0	N/A	N/A	N/A	N/A
0	51	0	3	100% Coverage	0.054	0.177	0	0.004	0.000	0.004	0.102	3.20E+04	1.17E+04	1.10E+04	3.72E+04	1.25E+04	1.37E+04	2	2.14E+02	1.80E+00	<MDC	7.55E-01
0	51	0	3	100% Coverage	0.043	0.228	0	0.004	0.000	0.004	0.091	5.51E+04	1.51E+04	1.24E+04	2.51E+05	2.89E+04	4.34E+04	2	<MDC	2.10E+00	<MDC	6.09E-01
68	0	0	4	1-Foot FOV	0.007	0.018	0	0.001	0.000	0.001	0.020	9.83E+04	3.80E+04	1.95E+04	8.05E+06	3.11E+06	1.60E+06	0	N/A	N/A	N/A	N/A
60	0	0	3	1-Foot FOV	0.002	0.003	0	0.000	0.000	0.000	0.006	1.56E+04	1.19E+04	1.33E+03	1.28E+06	9.73E+05	1.09E+05	0	N/A	N/A	N/A	N/A
58	0	0	3	1-Foot FOV	0.018	0.074	0	0.000	0.000	0.000	0.009	4.46E+04	1.11E+04	4.77E+03	3.66E+06	9.08E+05	3.91E+05	0	N/A	N/A	N/A	N/A
44	0	0	3	1-Foot FOV	0.014	0.016	0	0.000	0.000	0.000	0.007	9.69E+03	8.23E+03	5.97E+02	7.94E+05	6.74E+05	4.88E+04	0	N/A	N/A	N/A	N/A
0	26	0	2	100% Coverage	0.448	4.213	2	0.038	0.089	0.127	3.186	4.26E+04	1.50E+04	1.30E+04	7.06E+06	6.86E+05	1.43E+06	3	3.18E+00	1.80E+00	<MDC	4.98E-01
0	26	0	2	100% Coverage	0.239	1.817	1	0.020	0.033	0.053	1.324	3.41E+04	1.61E+04	1.12E+04	3.03E+06	3.20E+05	6.31E+05	3	2.07E+00	1.80E+00	8.14E-01	4.06E-01
0	20	0	1	Biased	0.096	0.327	0	0.008	0.000	0.008	0.205	6.14E+04	1.91E+04	1.68E+04	5.52E+05	6.91E+04	1.25E+05	2	<MDC	1.83E+00	<MDC	4.32E-01
0	20	0	1	Biased	0.109	0.304	0	0.009	0.000	0.009	0.231	4.14E+04	1.77E+04	1.37E+04	4.03E+05	9.95E+04	1.30E+05	2	<MDC	1.85E+00	<MDC	5.19E-01
14	0	0	1	Random	0.000	0.000	0	0.000	0.000	0.000	0.000	1.84E+02	6.12E+01	6.38E+01	2.78E+02	5.82E+01	8.20E+01	0	N/A	N/A	N/A	N/A
0	14	0	1	Biased	0.053	0.064	0	0.020	0.000	0.020	0.503	8.22E+03	6.71E+03	6.04E+02	6.77E+05	5.52E+05	4.98E+04	0	N/A	N/A	N/A	N/A
0	4	0	1	Biased	0.002	0.006	0	0.001	0.000	0.001	0.018	3.16E+04	8.99E+03	1.52E+04	2.08E+03	7.86E+02	8.79E+02	0	N/A	N/A	N/A	N/A
70	0	0	4	100% Coverage	0.013	0.236	0	0.013	0.000	0.013	0.335	4.99E+04	7.06E+03	8.38E+03	3.43E+04	1.12E+04	8.27E+03	8	<MDC	3.08E+00	<MDC	8.29E-01

IED PIPE

# of Measurements				Spacing	Mean OpSOF	Max OpSOF	# OpSOF > 1	Mean BcSOF	Adj to BcSOF due to Elev Measure	Adj Mean BcSOF	Dose to Survey Unit	Radionuclide Statistical Summary						# of HTD Samples (FSS)	HTD ROC Analysis (FSS)					
												Co-60			Cs-137				Ni-63				Sr-90	
												Max	Mean	St Dev	Max	Mean	St Dev		Max Conc	MDC	Max Conc	MDC		
NP	Judg	Inv	QC	(m)							(mrem/yr)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)			
257	0	0	18	1-Foot FOV	0.320	0.493	0	0.082	0.000	0.082	2.052	1.48E+02	9.59E+01	1.29E+01	1.21E+04	7.85E+03	1.06E+03	0	N/A	N/A	N/A	N/A		
253	0	0	17	1-Foot FOV	0.784	1.506	53	0.201	0.026	0.227	5.673	4.51E+02	2.35E+02	6.94E+01	3.69E+04	1.92E+04	5.69E+03	0	N/A	N/A	N/A	N/A		
256	0	0	17	1-Foot FOV	0.144	0.488	0	0.037	0.000	0.037	0.922	1.46E+02	4.31E+01	2.12E+01	1.20E+04	3.53E+03	1.73E+03	0	N/A	N/A	N/A	N/A		
132	0	0	7	2-Foot FOV	0.127	0.288	0	0.033	0.000	0.033	0.814	8.64E+01	3.80E+01	1.92E+01	7.07E+03	3.11E+03	1.57E+03	0	N/A	N/A	N/A	N/A		
272	0	0	18	2-Foot FOV	0.107	0.276	0	0.027	0.000	0.027	0.683	8.27E+01	3.19E+01	9.68E+00	6.77E+03	2.61E+03	7.93E+02	0	N/A	N/A	N/A	N/A		

<b>AREA</b>	27,135 m2	(LTP Chapter 6, Tables 6-22 and 6-23)
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TURBINE BUILDING STATISTICS								
ROC	Mean (pCi/m <sup>3</sup> )	Median (pCi/m <sup>3</sup> )	Max (pCi/m <sup>3</sup> )	Min (pCi/m <sup>3</sup> )	Std. Dev.	BdCGL (pCi/m <sup>3</sup> )	Avg. SOF per ROC	Avg. Dose Per ROC
Co-60	7.45E+04	1.45E+04	1.73E+05	4.49E+03	6.89E+04	7.03E+07	0.001	0.026
Ni-63	1.34E+07	2.62E+06	3.12E+07	8.10E+05	1.24E+07	2.18E+09	0.006	0.154
Sr-90	3.13E+02	4.38E+01	3.38E+03	9.82E+00	6.30E+02	7.74E+05	0.000	0.010
Cs-134	9.21E+04	1.97E+04	2.14E+05	6.34E+03	9.03E+04	1.59E+07	0.006	0.145
Cs-137	1.56E+05	2.19E+04	1.69E+06	4.91E+03	3.15E+05	2.11E+07	0.007	0.185
TOTAL							0.021	0.520
TURBINE BUILDING - RANDOM MEASUREMENTS								
Measurement ID	Co-60 (pCi/m <sup>3</sup> )	Cs-134 (pCi/m <sup>3</sup> )	Cs-137 (pCi/m <sup>3</sup> )	Ni-63 (pCi/m <sup>3</sup> )	Sr-90 (pCi/m <sup>3</sup> )	OpSOF		
B3-06100A-FRWC-001-GD	1.30E+04	1.60E+04	1.59E+04	2.35E+06	3.18E+01	0.036		
B3-06100A-FRWC-002-GD	1.34E+04	1.97E+04	1.80E+04	2.42E+06	3.60E+01	0.041		
B3-06100A-FRFC-003-GD	4.49E+03	6.34E+03	4.91E+03	8.10E+05	9.82E+00	0.013		
B3-06100A-FRWC-004-GD	1.43E+04	1.66E+04	1.89E+04	2.58E+06	3.78E+01	0.040		
B3-06100A-FRWC-005-GD	1.43E+04	1.80E+04	1.89E+04	2.58E+06	3.78E+01	0.041		
B3-06100A-FRWC-006-GD	1.15E+04	1.57E+04	2.07E+04	2.08E+06	4.14E+01	0.037		
B3-06100A-FRWC-007-GD	1.15E+04	1.93E+04	1.33E+04	2.08E+06	2.66E+01	0.035		
B3-06100A-FRFC-008-GD	6.68E+03	8.20E+03	9.02E+03	1.21E+06	1.80E+01	0.019		
B3-06100A-FRWC-009-GD	1.20E+04	1.66E+04	1.82E+04	2.17E+06	3.64E+01	0.037		
B3-06100A-FRWC-010-GD	1.47E+04	1.57E+04	1.75E+04	2.65E+06	3.50E+01	0.039		
B3-06100A-FRFC-011-GD	1.43E+04	1.75E+04	1.93E+04	2.58E+06	3.86E+01	0.041		
B3-06100A-FRWC-012-GD	1.39E+04	1.97E+04	1.95E+04	2.51E+06	3.90E+01	0.042		
B3-06100A-FRFC-013-GD	1.20E+04	1.97E+04	2.28E+04	2.17E+06	4.56E+01	0.042		
B3-06100A-FRFC-014-GD	1.13E+04	1.69E+04	1.73E+04	2.04E+06	3.46E+01	0.036		
B3-06100B-FRFC-007-GD	1.53E+05	2.05E+05	2.00E+05	2.76E+07	4.00E+02	0.444		
B3-06100B-FRFC-008-GD <sup>(1)</sup>	1.68E+05	2.14E+05	1.69E+06	3.03E+07	3.38E+03	1.346		
B3-06100B-FRWC-009-GD	1.47E+05	1.98E+05	1.95E+05	2.65E+07	3.90E+02	0.429		
B3-06100B-FRWC-010-GD	1.44E+05	1.97E+05	2.80E+05	2.60E+07	5.60E+02	0.475		
B3-06100B-FRWC-011-GD	1.58E+05	1.85E+05	1.97E+05	2.85E+07	3.94E+02	0.434		
B3-06100B-FRWC-012-GD	1.37E+05	7.71E+03	1.82E+05	2.47E+07	3.64E+02	0.269		
B3-06100B-FRWC-013-GD	1.49E+05	1.94E+05	2.33E+05	2.69E+07	4.66E+02	0.451		
B3-06100B-FRWC-014-GD	1.32E+05	1.64E+05	1.80E+05	2.38E+07	3.60E+02	0.378		
B3-06100B-FRWC-015-GD	1.32E+05	1.89E+05	1.85E+05	2.38E+07	3.70E+02	0.400		
B3-06100B-FRWC-016-GD	1.32E+05	1.85E+05	1.84E+05	2.38E+07	3.68E+02	0.396		
B3-06100B-FRWC-017-GD	1.73E+05	2.14E+05	1.95E+05	3.12E+07	3.90E+02	0.471		
B3-06100B-FRWC-018-GD	1.47E+05	1.76E+05	2.03E+05	2.65E+07	4.06E+02	0.418		
B3-06100B-FRWC-019-GD	1.32E+05	2.06E+05	1.98E+05	2.38E+07	3.96E+02	0.420		
B3-06100B-FRFC-020-GD	1.43E+04	1.95E+04	2.10E+04	2.58E+06	4.20E+01	0.043		

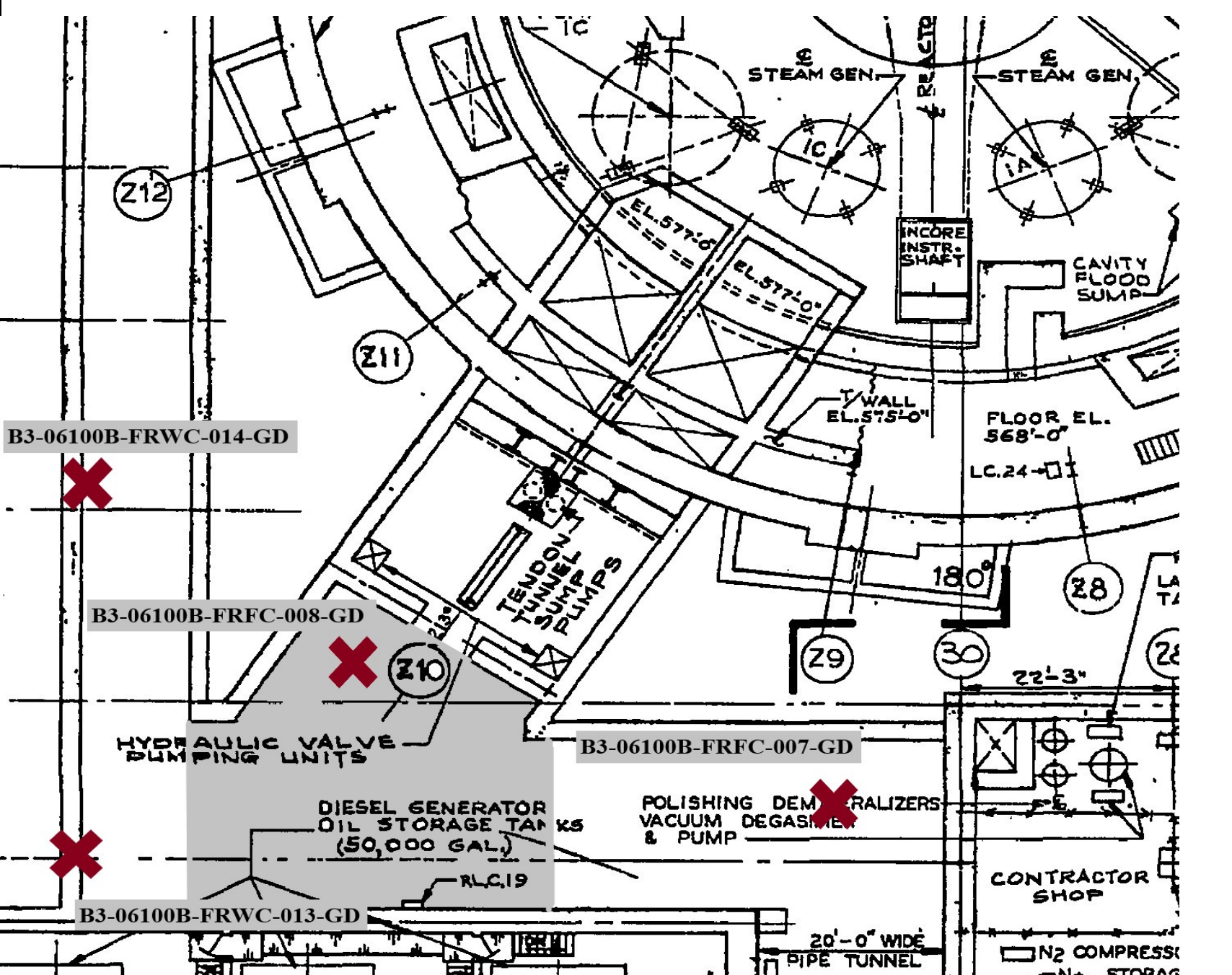
(1) One measurement, B3-06100B-FRFC-008-GD, exceeded an OpSOF of 1 when compared against the OpDCGLs for the Turbine Building basement. This measurement was taken on the floor in the Unit 1 Steam Tunnel at the entrance to the East Valve House.



TURBINE BUILDING - JUDGMENTAL MEASUREMENTS						
Measurement ID	Co-60 (pCi/m <sup>3</sup> )	Cs-134 (pCi/m <sup>3</sup> )	Cs-137 (pCi/m <sup>3</sup> )	Ni-63 (pCi/m <sup>3</sup> )	Sr-90 (pCi/m <sup>3</sup> )	OpSOF
B3-06100B-FJWC-015-GD	7.13E+03	9.62E+03	1.13E+04	1.29E+06	2.26E+01	0.022
B3-06100B-FJWC-016-GD	4.44E+03	2.60E+04	4.67E+03	8.02E+05	9.34E+00	0.027
B3-06100A-FJWC-017-GD	0.00E+00	4.92E+04	8.06E+04	0.00E+00	1.61E+02	0.084
B3-06100A-FJWC-018-GD	1.16E+05	0.00E+00	1.37E+06	2.08E+07	2.75E+03	0.941
B3-06100A-FJFC-019-GD	0.00E+00	3.50E+04	0.00E+00	0.00E+00	0.00E+00	0.026
B3-06100A-FJFC-020-GD	5.81E+04	2.07E+05	4.21E+05	1.05E+07	8.41E+02	0.467
B3-06100A-FJWC-021-GD	2.22E+04	9.19E+04	3.23E+05	4.00E+06	6.46E+02	0.284
B3-06100A-FJFC-022-GD	1.68E+04	1.69E+04	5.52E+04	3.03E+06	1.10E+02	0.064
B3-06100A-FJFC-023-GD	1.28E+04	1.80E+04	3.27E+03	2.31E+06	6.53E+00	0.030
B3-06100A-FJFC-024-GD	0.00E+00	1.57E+04	0.00E+00	0.00E+00	0.00E+00	0.012
B3-06100A-FJFC-025-GD	1.31E+05	2.58E+05	9.34E+05	2.37E+07	1.87E+03	0.891
B3-06100A-FJFC-026-GD	1.74E+04	1.75E+04	7.42E+04	3.14E+06	1.48E+02	0.077
B3-06100A-FJWC-027-GD	2.85E+04	3.22E+04	2.56E+05	5.14E+06	5.11E+02	0.207
B3-06100A-FJWC-028-GD	7.00E+02	1.36E+03	1.42E+05	1.26E+05	2.84E+02	0.086
B3-06100A-FJWC-030-GD	1.37E+04	1.89E+04	1.89E+04	2.47E+06	3.78E+01	0.041
B3-06100A-FJWC-031-GD	1.50E+04	1.74E+04	1.70E+05	2.71E+06	3.40E+02	0.130
B3-06100B-FJWC-001-GD	1.62E+04	1.80E+04	5.65E+04	2.92E+06	1.13E+02	0.006
B3-06100B-FJWC-002-GD	1.34E+04	2.18E+04	1.80E+04	2.42E+06	3.60E+01	0.004
B3-06100B-FJFC-003-GD	4.67E+03	6.69E+03	7.24E+03	8.43E+05	1.45E+01	0.001
B3-06100B-FJWC-004-GD	1.34E+04	2.09E+04	2.08E+04	2.42E+06	4.16E+01	0.004
B3-06100B-FJWC-005-GD	1.43E+04	1.80E+04	1.84E+04	2.58E+06	3.68E+01	0.003
B3-06100B-FJFC-006-GD	4.58E+03	6.02E+03	7.91E+03	8.26E+05	1.58E+01	0.001
B3-06100B-FJWC-021-GD	1.49E+05	1.92E+05	1.87E+05	2.69E+07	3.74E+02	0.268
B3-06100B-FJWC-022-GD	1.49E+05	1.85E+05	2.04E+05	2.69E+07	4.08E+02	0.271

(1) Of the twenty-four (24) judgmental samples taken, two (2) measurements exceeded an OpSOF of 0.5. Measurement B3-06100A-FJWC-018-GD, which was taken in the 510 foot Valve Pit has an OpSOF of 0.941 and B3-06100A-FJFC-025-GD, which was taken in the Floor Drain Sump, had an OpSOF of 0.891.

ASSUMPTIONS FOR BOUNDING DOSE ASSESSMENT OF STEAM TUNNEL ELEVATED MEASUREMENT

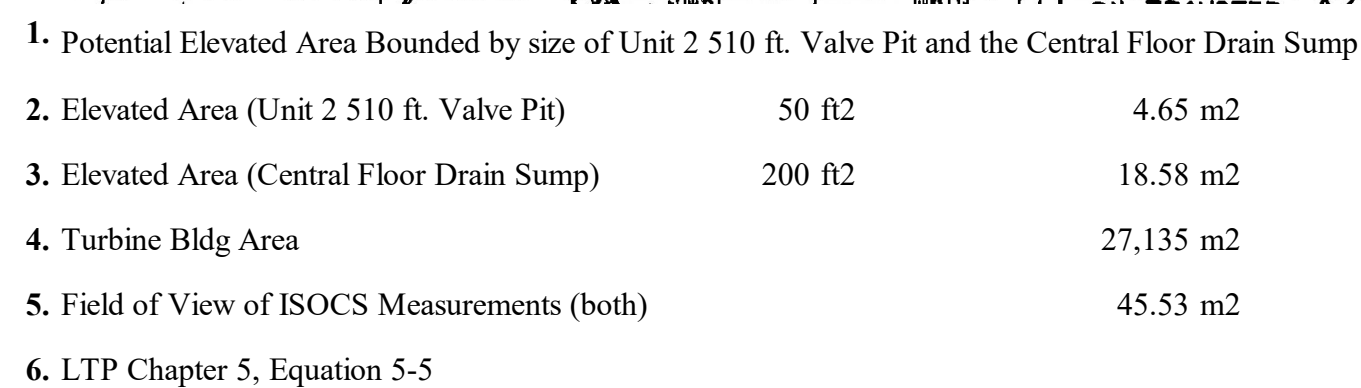


- 1. Potential Elevated Area Bounded by ISOCS measurements B3-06100B-FRFC-007-GD, B3-06100A-FRFC-013-GD and B3-06100A-FRFC-014-GD
- 2. Elevated Area (shaded grey) 1512.5 ft2 140.52 m2
- 3. Turbine Bldg Area 27,135 m2
- 4. LTP Chapter 5, Equation 5-5

$$SOF_B = \sum_{i=1}^n \frac{Mean\ Conc_{B_{ROCi}}}{Base\ Case\ DCGL_{B_{ROCi}}} + \frac{(Elev\ Conc_{B_{ROCi}} - Mean\ Conc_{B_{ROCi}})}{\left[Base\ Case\ DCGL_{B_{ROCi}} \times \left(\frac{SA_{SU}}{SA_{Elev}}\right)\right]}$$

5. Turbine Building FSS Mean Concentrations (pCi/m2)					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	
7.45E+04	1.34E+07	3.13E+02	9.21E+04	1.56E+05	
6. B3-06100B-FRFC-008-GD Measurement (pCi/m2)					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	
1.68E+05	3.03E+07	3.38E+03	2.14E+05	1.69E+06	
7. Turbine Building BeDCGLs (pCi/m2)					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	
7.03E+07	2.18E+09	7.74E+05	1.59E+07	2.11E+07	
8. Mean BeSOF					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	Mean BeSOF
0.001	0.006	0.000	0.006	0.007	0.021
9. BeSOF Adjustment from Elevated Measurement (assumes elevated area as bounded above)					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	BeSOF Adj
0.000	0.000	0.000	0.000	0.000	4.84E-04
10. BeSOF Adjustment from Elevated Measurement (from Release Record)					
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	BeSOF Adj
0.000	0.000	0.000	0.000	0.000	5.15E-05
1. RELEASE RECORD (elevated area bounded by ISOCS FOV)					
BeSOF	Dose				
0.021	0.523	mrem/yr			
2. RELEASE RECORD (elevated area bounded as bounded by potential floor space)					
BeSOF	Dose				
0.021	0.532	mrem/yr			





$$SOF_B = \sum_{i=1}^n \frac{Mean\ Conc_{B_{ROC_i}}}{Base\ Case\ DCGL_{B_{ROC_i}}} + \frac{(Elev\ Conc_{B_{ROC_i}} - Mean\ Conc_{B_{ROC_i}})}{\left[Base\ Case\ DCGL_{B_{ROC_i}} \times \left(\frac{SA_{SU}}{SA_{Elem}}\right)\right]}$$

Co-60	Ni-63	Sr-90	Cs-134	Cs-137
7.45E+04	1.34E+07	3.13E+02	9.21E+04	1.56E+05

Co-60	Ni-63	Sr-90	Cs-134	Cs-137
1.16E+05	2.08E+07	2.75E+03	0.00E+00	1.37E+06

Co-60	Ni-63	Sr-90	Cs-134	Cs-137
1.31E+05	2.37E+07	1.87E+03	2.58E+05	9.34E+05

Co-60	Ni-63	Sr-90	Cs-134	Cs-137
7.03E+07	2.18E+09	7.74E+05	1.59E+07	2.11E+07

Co-60	Ni-63	Sr-90	Cs-134	Cs-137	Mean BcSOF
0.001	0.006	0.000	0.006	0.007	0.021

Co-60	Ni-63	Sr-90	Cs-134	Cs-137	BeSO <sub>4</sub> Adj	
0.000	0.000	0.000	0.000	0.000	0.000	B3-06100A-FJWC-018-GD
0.000	0.000	0.000	0.000	0.000	0.000	B3-06100A-FJFC-025-GD
					1.91E-04	SUM

4.77E-03

<b>BcSOF</b>	<b>Dose</b>	
0.021	0.525	mrem/yr

BcSOF	Dose	
0.021	0.537	mrem/yr

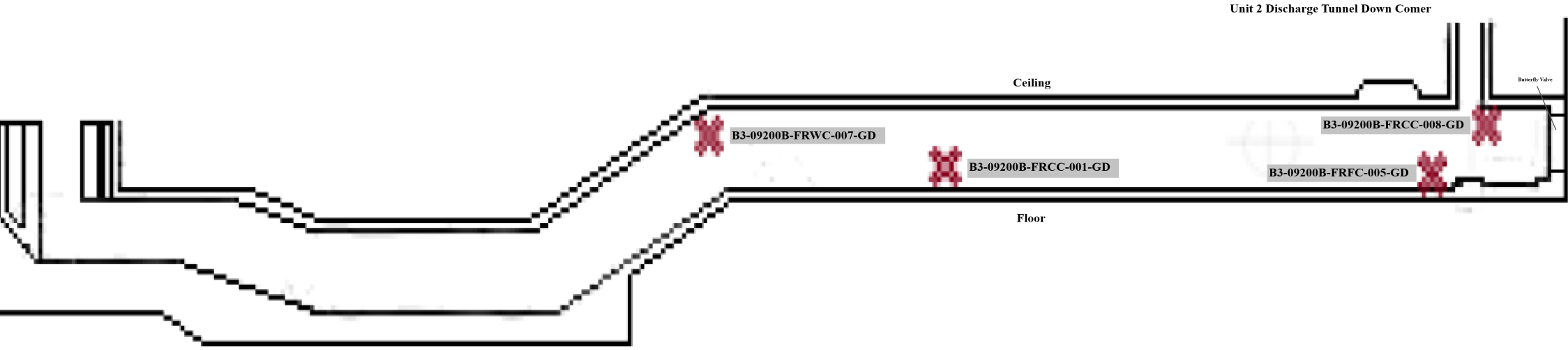
BcSOF	Dose	
0.021	0.523	mrem/yr

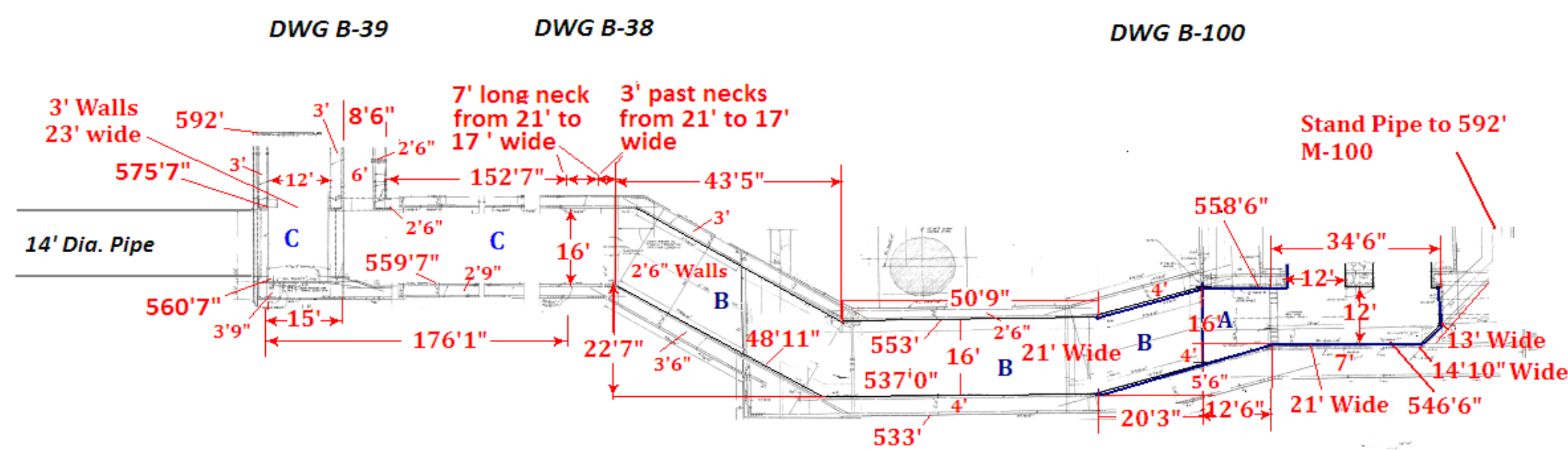


AREA4,868 m2(LTP Chapter 6, Tables 6-22 and 6-23)

CIRCULATING DISCHARGE TUNNEL STATISTICS								
ROC	Mean (pCi/m <sup>3</sup> )	Median (pCi/m <sup>3</sup> )	Max (pCi/m <sup>3</sup> )	Min (pCi/m <sup>3</sup> )	Std. Dev.	BcDCGL (pCi/m <sup>3</sup> )	Avg. SOF per ROC	Avg. Dose Per ROC
Co-60	1.18E+06	1.43E+04	9.51E+06	8.73E+03	3.02E+06	7.03E+07	0.017	0.421
Ni-63	2.14E+08	2.58E+06	1.72E+09	1.58E+06	5.44E+08	2.18E+09	0.098	2.450
Sr-90	1.08E+02	3.82E+01	5.38E+02	2.84E+01	1.81E+02	7.74E+05	0.000	0.003
Cs-134	2.66E+04	1.86E+04	8.85E+04	1.08E+04	2.35E+04	1.59E+07	0.002	0.042
Cs-137	5.40E+04	1.91E+04	2.69E+05	1.42E+04	9.05E+04	2.96E+07	0.002	0.064
TOTAL							0.119	2.965
CIRCULATING WATER DISCHARGE TUNNEL - JUDGMENTAL MEASUREMENTS								
Measurement ID	Co-60 (pCi/m <sup>3</sup> )	Cs-134 (pCi/m <sup>3</sup> )	Cs-137 (pCi/m <sup>3</sup> )	Ni-63 (pCi/m <sup>3</sup> )	Sr-90 (pCi/m <sup>3</sup> )	OpSOF		
B3-09200B-FRCC-001-GD	1.66E+04	1.63E+04	1.99E+04	3.00E+06	3.98E+01	0.009		
B3-09200B-FRWC-002-GD	1.51E+04	1.69E+04	1.84E+04	2.72E+06	3.68E+01	0.008		
B3-09200B-FRFC-003-GD	1.08E+04	1.79E+04	1.42E+04	1.95E+06	2.84E+01	0.007		
B3-09200B-FRWC-004-GD	1.43E+04	1.77E+04	1.93E+04	2.58E+06	3.86E+01	0.008		
B3-09200B-FRFC-005-GD <sup>(1)</sup>	9.51E+06	8.85E+04	2.66E+05	1.72E+09	5.32E+02	2.252		
B3-09200B-FRWC-006-GD	1.15E+04	1.83E+04	1.89E+04	2.08E+06	3.78E+01	0.008		
B3-09200B-FRWC-007-GD	2.59E+04	2.18E+04	2.10E+04	4.67E+06	4.20E+01	0.012		
B3-09200B-FRCC-008-GD <sup>(1)</sup>	6.89E+06	7.40E+04	2.69E+05	1.24E+09	5.38E+02	1.641		
B3-09200B-FRCC-009-GD	1.43E+04	1.88E+04	1.82E+04	2.58E+06	3.64E+01	0.008		
B3-09200B-FRFC-010-GD	1.43E+04	1.88E+04	1.84E+04	2.58E+06	3.68E+01	0.008		
B3-09200B-FRWC-011-GD	1.22E+04	1.30E+04	1.96E+04	2.20E+06	3.92E+01	0.007		
B3-09200B-FRWC-012-GD	2.51E+04	2.11E+04	1.99E+04	4.53E+06	3.98E+01	0.011		
B3-09200B-FRFC-013-GD	1.34E+04	1.88E+04	1.68E+04	2.42E+06	3.36E+01	0.008		
B3-09200B-FRFC-014-GD	8.73E+03	1.08E+04	1.65E+04	1.58E+06	3.30E+01	0.006		
<div>(1) All FSS ISOCS measurements results in both Unit 1 and Unit 2 Circulating Water Discharge Tunnels were less than an OpSOF of 0.5 with the exception of the area under the Unit 2 Down-comer pipe. When compared against the OpDCGLs, judgmental measurements B3-09200B-FRFC-005-GD and B3-09200B-FRCC-008-GD resulted in OpSOF of 2.252 and 1.641 respectively.</div>								
<div>(2) The release of effluent during decommissioning was made at the west end of the Discharge Tunnel in the steel lined area under the 12-foot diameter Down-comer pipes. Judgmental measurements B3-09200B-FRFC-005-GD and B3-09200B-FRCC-008-GD were taken on the floor under the Unit 2 Down-comer pipe where the effluent was released during decommissioning.</div>								

ASSUMPTIONS FOR BOUNDING DOSE ASSESSMENT OF ELEVATED MEASUREMENTS IN THE CIRCULATING WATER DISCHARGE TUNNELS





- |                                |                   |             |           |                                     |
|--------------------------------|-------------------|-------------|-----------|-------------------------------------|
| 1. Elevated Area               | (floor)           | 2593.86 ft2 | 240.98 m2 | (measurement B3-09200B-FRFC-005-GD) |
|                                | (ceiling & walls) | 7476.42 ft2 | 694.58 m2 | (measurement B3-09200B-FRCC-008-GD) |
| 2. Turbine Bldg Area           |                   |             | 4,868 m2  |                                     |
| 3. LTP Chapter 5, Equation 5-5 |                   |             |           |                                     |

- ## 7. Circ Water Discharge Tunnel FSS Mean Concentrations (pCi/m2)

8. B3-09200B-FRFC-005-GD Measurement (pCi/m2)

9. B3-09200B-FRCC-008-GD Measurement (pCi/m2)

- #### 10. Turbine Building BcDCGLs (pCi/m2)

- ### 11. Mean BcSOF

12. BcSOF Adjustment from Elevated Measurement (assumes elevated area as bounded using ISOCS FOV)

- ### 13. Mean BcSOF Adjusted for Additional Dose from Elevated Area

Mean BeSO <sub>4</sub> Adjusted for Additional Dose from All Elevated Areas		
BeSO <sub>4</sub>	Dose	
0.241	6.020	mrem/yr

	H-3 (pCi/m2)	Co-60 (pCi/m2)
Unit 1 CTMT	1.75E+07	6.87E+05
Unit 2 CTMT	3.75E+06	1.48E+05
Aux Building	1.06E+07	4.19E+05
Turbine Building	3.57E+04	9.29E+03
Unit 1 CTMT	0.005	0.008
Unit 2 CTMT	0.001	0.002
Aux Building	0.003	0.005
Turbine Building	0.000	0.000

MEASUREMENT ID		BETWEEN		END STATE	H-3 <sup>(1)</sup> (pCi/m2)	Co-60 <sup>(2)</sup> (pCi/m2)
P001	Position #1	CTMT	AUX	Removed	1.06E+07	4.18E+05
P001	Position #2	CTMT	AUX	Removed	2.96E+06	1.16E+05
P001	Position #3	CTMT	AUX	Removed	1.77E+06	6.98E+04
P001	Position #4	CTMT	AUX	Removed	1.62E+06	6.37E+04
P001	Position #5	CTMT	AUX	Removed	3.08E+06	1.21E+05
P086	Position #1	CTMT	AUX	Removed	2.48E+06	9.77E+04
P086	Position #2	CTMT	AUX	Removed	7.87E+06	3.10E+05
P086	Position #3	CTMT	AUX	Removed	2.06E+06	8.11E+04
P086	Position #4	CTMT	AUX	Removed	1.51E+06	5.93E+04
P086	Position #5	CTMT	AUX	Removed	1.62E+06	6.38E+04
P019	Position #1	CTMT	AUX	Removed	7.00E+06	2.75E+05

P019	Position #2	CTMT	AUX	Removed	2.13E+06	8.39E+04
P019	Position #3	CTMT	AUX	Removed	1.48E+06	5.83E+04
P019	Position #4	CTMT	AUX	Removed	1.38E+06	5.42E+04
P019	Position #5	CTMT	AUX	Removed	1.53E+06	6.03E+04
P023	Position #1	CTMT	AUX	Removed	9.94E+06	3.91E+05
P023	Position #2	CTMT	AUX	Removed	2.39E+06	9.41E+04
P023	Position #3	CTMT	AUX	Removed	1.57E+06	6.18E+04
P023	Position #4	CTMT	AUX	Removed	1.51E+06	5.94E+04
P023	Position #5	CTMT	AUX	Removed	1.94E+06	7.63E+04
P088	Position #1	CTMT	AUX	Removed	6.16E+06	2.42E+05
P088	Position #2	CTMT	AUX	Removed	2.02E+06	7.94E+04
P088	Position #3	CTMT	AUX	Removed	1.58E+06	6.21E+04
P088	Position #4	CTMT	AUX	Removed	1.47E+06	5.77E+04
P088	Position #5	CTMT	AUX	Removed	1.74E+06	6.86E+04
P089	Position #1	CTMT	AUX	Removed	8.09E+06	3.18E+05
P089	Position #2	CTMT	AUX	Removed	2.83E+06	1.11E+05
P089	Position #3	CTMT	AUX	Removed	1.87E+06	7.37E+04
P089	Position #4	CTMT	AUX	Removed	1.62E+06	6.36E+04
P089	Position #5	CTMT	AUX	Removed	2.16E+06	8.52E+04
P004	Position #1	CTMT	AUX	Removed	8.59E+06	3.38E+05
P004	Position #2	CTMT	AUX	Removed	1.75E+06	6.89E+04
P004	Position #3	CTMT	AUX	Removed	1.54E+06	6.06E+04
P004	Position #4	CTMT	AUX	Removed	1.60E+06	6.29E+04
P004	Position #5	CTMT	AUX	Removed	1.79E+06	7.05E+04
P042	Position #1	CTMT	AUX	Removed	8.00E+06	3.15E+05
P042	Position #2	CTMT	AUX	Removed	2.95E+06	1.16E+05
P042	Position #3	CTMT	AUX	Removed	2.69E+06	1.06E+05

P042	Position #4	CTMT	AUX	Removed	1.55E+06	6.09E+04
P042	Position #5	CTMT	AUX	Removed	3.18E+06	1.25E+05
P043	Position #1	CTMT	AUX	Removed	8.10E+06	3.18E+05
P043	Position #2	CTMT	AUX	Removed	1.96E+06	7.69E+04
P043	Position #3	CTMT	AUX	Removed	2.04E+06	8.03E+04
P043	Position #4	CTMT	AUX	Removed	2.29E+06	9.00E+04
P043	Position #5	CTMT	AUX	Removed	3.83E+06	1.51E+05
P054	Position #1	CTMT	AUX	Removed	7.30E+06	2.87E+05
P054	Position #2	CTMT	AUX	Removed	1.66E+06	6.55E+04
P054	Position #3	CTMT	AUX	Removed	1.73E+06	6.82E+04
P054	Position #4	CTMT	AUX	Removed	2.06E+06	8.09E+04
P054	Position #5	CTMT	AUX	Removed	2.19E+06	8.60E+04
P081	Position #1	CTMT	AUX	Removed	6.20E+06	2.44E+05
P081	Position #2	CTMT	AUX	Removed	1.87E+06	7.36E+04
P081	Position #3	CTMT	AUX	Removed	1.79E+06	7.03E+04
P081	Position #4	CTMT	AUX	Removed	1.85E+06	7.26E+04
P081	Position #5	CTMT	AUX	Removed	2.62E+06	1.03E+05
P104	By Direct Scan	CTMT	AUX	Removed	1.08E+05	4.26E+03
P022	By Direct Scan	CTMT	AUX	Removed	1.03E+06	4.07E+04
P074	By Direct Scan	CTMT	AUX	Removed	9.40E+04	3.70E+03
P123	Position #1	CTMT	AUX	Grouted	2.13E+08	8.37E+06
P123	Position #2	CTMT	AUX	Grouted	2.42E+08	9.53E+06
P123	Position #3	CTMT	AUX	Grouted	2.67E+08	1.05E+07
P123	Position #4	CTMT	AUX	Grouted	2.58E+08	1.01E+07
P123	Position #5	CTMT	AUX	Grouted	2.37E+08	9.31E+06
P123	Position #6	CTMT	AUX	Grouted	2.10E+08	8.25E+06
P123	Position #7	CTMT	AUX	Grouted	1.96E+08	7.71E+06



P123	Position #8	CTMT	AUX	Grouted	1.83E+08	7.21E+06
P123	Position #9	CTMT	AUX	Grouted	1.73E+08	6.80E+06
P123	Position #10	CTMT	AUX	Grouted	1.84E+08	7.26E+06
P123	Position #11	CTMT	AUX	Grouted	1.93E+08	7.61E+06
P123	Position #12	CTMT	AUX	Grouted	1.93E+08	7.60E+06
P123	Position #13	CTMT	AUX	Grouted	2.03E+08	7.99E+06
P123	Position #14	CTMT	AUX	Grouted	1.81E+08	7.13E+06
P123	Position #15	CTMT	AUX	Grouted	1.41E+08	5.54E+06
P123	Position #16	CTMT	AUX	Grouted	1.19E+08	4.68E+06
P123	Position #17	CTMT	AUX	Grouted	1.11E+08	4.37E+06
P123	Position #18	CTMT	AUX	Grouted	1.07E+08	4.21E+06
P123	Position #19	CTMT	AUX	Grouted	1.11E+08	4.35E+06
P123	Position #20	CTMT	AUX	Grouted	8.98E+07	3.53E+06
P123	Position #21	CTMT	AUX	Grouted	6.62E+07	2.61E+06
P123	Position #22	CTMT	AUX	Grouted	5.80E+07	2.28E+06
P123	Position #23	CTMT	AUX	Grouted	4.22E+07	1.66E+06
P123	Position #24	CTMT	AUX	Grouted	2.32E+07	9.14E+05
P123	Position #25	CTMT	AUX	Grouted	1.82E+07	7.14E+05
P123	Position #26	CTMT	AUX	Grouted	1.51E+07	5.93E+05
P123	Position #27	CTMT	AUX	Grouted	1.50E+07	5.89E+05
P123	Position #28	CTMT	AUX	Grouted	1.17E+07	4.60E+05
P123	Position #29	CTMT	AUX	Grouted	8.87E+06	3.49E+05
P123	Position #30	CTMT	AUX	Grouted	7.70E+06	3.03E+05
P123	Position #31	CTMT	AUX	Grouted	7.24E+06	2.85E+05
P123	Position #32	CTMT	AUX	Grouted	6.98E+06	2.75E+05
P123	Position #33	CTMT	AUX	Grouted	7.33E+06	2.89E+05
P123	Position #34	CTMT	AUX	Grouted	8.01E+06	3.15E+05

P123	Position #35	CTMT	AUX	Grouted	9.98E+06	3.93E+05
P123	Position #36	CTMT	AUX	Grouted	8.07E+06	3.18E+05
P123	Position #37	CTMT	AUX	Grouted	7.91E+06	3.11E+05
P123	Position #38	CTMT	AUX	Grouted	6.59E+06	2.59E+05
P123	Position #39	CTMT	AUX	Grouted	6.09E+06	2.40E+05
P123	Position #40	CTMT	AUX	Grouted	6.10E+06	2.40E+05
P123	Position #41	CTMT	AUX	Grouted	6.30E+06	2.48E+05
P123	Position #42	CTMT	AUX	Grouted	6.92E+06	2.72E+05
P123	Position #43	CTMT	AUX	Grouted	6.83E+06	2.69E+05
P123	Position #44	CTMT	AUX	Grouted	9.49E+06	3.73E+05
P123	Position #45	CTMT	AUX	Grouted	6.67E+06	2.62E+05
P123	Position #46	CTMT	AUX	Grouted	5.93E+06	2.33E+05
P123	Position #47	CTMT	AUX	Grouted	6.15E+06	2.42E+05
P123	Position #48	CTMT	AUX	Grouted	7.26E+06	2.85E+05
P123	Position #49	CTMT	AUX	Grouted	6.83E+06	2.69E+05
P123	Position #50	CTMT	AUX	Grouted	6.54E+06	2.57E+05
P124	Position #1	CTMT	AUX	Grouted	8.20E+07	3.23E+06
P124	Position #2	CTMT	AUX	Grouted	6.80E+07	2.68E+06
P124	Position #3	CTMT	AUX	Grouted	7.10E+07	2.80E+06
P124	Position #4	CTMT	AUX	Grouted	7.18E+07	2.83E+06
P124	Position #5	CTMT	AUX	Grouted	7.08E+07	2.79E+06
P124	Position #6	CTMT	AUX	Grouted	6.72E+07	2.64E+06
P124	Position #7	CTMT	AUX	Grouted	5.96E+07	2.35E+06
P124	Position #8	CTMT	AUX	Grouted	5.76E+07	2.27E+06
P124	Position #9	CTMT	AUX	Grouted	5.79E+07	2.28E+06
P124	Position #10	CTMT	AUX	Grouted	5.90E+07	2.32E+06
P124	Position #11	CTMT	AUX	Grouted	6.11E+07	2.40E+06

P124	Position #12	CTMT	AUX	Grouted	6.22E+07	2.45E+06
P124	Position #13	CTMT	AUX	Grouted	6.30E+07	2.48E+06
P124	Position #14	CTMT	AUX	Grouted	6.56E+07	2.58E+06
P124	Position #15	CTMT	AUX	Grouted	6.30E+07	2.48E+06
P124	Position #16	CTMT	AUX	Grouted	5.04E+07	1.98E+06
P124	Position #17	CTMT	AUX	Grouted	4.42E+07	1.74E+06
P124	Position #18	CTMT	AUX	Grouted	4.10E+07	1.61E+06
P124	Position #19	CTMT	AUX	Grouted	3.55E+07	1.40E+06
P124	Position #20	CTMT	AUX	Grouted	2.94E+07	1.16E+06
P124	Position #21	CTMT	AUX	Grouted	2.45E+07	9.65E+05
P124	Position #22	CTMT	AUX	Grouted	1.98E+07	7.77E+05
P124	Position #23	CTMT	AUX	Grouted	1.41E+07	5.53E+05
P124	Position #24	CTMT	AUX	Grouted	1.03E+07	4.06E+05
P124	Position #25	CTMT	AUX	Grouted	8.12E+06	3.19E+05
P124	Position #26	CTMT	AUX	Grouted	7.94E+06	3.12E+05
P124	Position #27	CTMT	AUX	Grouted	6.81E+06	2.68E+05
P124	Position #28	CTMT	AUX	Grouted	6.35E+06	2.50E+05
P124	Position #29	CTMT	AUX	Grouted	5.84E+06	2.30E+05
P124	Position #30	CTMT	AUX	Grouted	5.60E+06	2.20E+05
P124	Position #31	CTMT	AUX	Grouted	5.62E+06	2.21E+05
P124	Position #32	CTMT	AUX	Grouted	5.32E+06	2.09E+05
P124	Position #33	CTMT	AUX	Grouted	5.28E+06	2.08E+05
P124	Position #34	CTMT	AUX	Grouted	5.27E+06	2.07E+05
P124	Position #35	CTMT	AUX	Grouted	5.86E+06	2.31E+05
P124	Position #36	CTMT	AUX	Grouted	5.28E+06	2.08E+05
P124	Position #37	CTMT	AUX	Grouted	4.97E+06	1.96E+05
P124	Position #38	CTMT	AUX	Grouted	4.83E+06	1.90E+05

P124	Position #39	CTMT	AUX	Grouted	4.85E+06	1.91E+05
P124	Position #40	CTMT	AUX	Grouted	4.96E+06	1.95E+05
P124	Position #41	CTMT	AUX	Grouted	4.76E+06	1.87E+05
P124	Position #42	CTMT	AUX	Grouted	4.80E+06	1.89E+05
P124	Position #43	CTMT	AUX	Grouted	5.06E+06	1.99E+05
P124	Position #44	CTMT	AUX	Grouted	5.09E+06	2.00E+05
P124	Position #45	CTMT	AUX	Grouted	4.80E+06	1.89E+05
P124	Position #46	CTMT	AUX	Grouted	4.77E+06	1.87E+05
P124	Position #47	CTMT	AUX	Grouted	4.59E+06	1.81E+05
P124	Position #48	CTMT	AUX	Grouted	4.46E+06	1.75E+05
P124	Position #49	CTMT	AUX	Grouted	4.59E+06	1.80E+05
P124	Position #50	CTMT	AUX	Grouted	4.52E+06	1.78E+05
P037	Position #1	CTMT	AUX	Grouted	1.56E+07	6.15E+05
P037	Position #2	CTMT	AUX	Grouted	7.23E+06	2.85E+05
P037	Position #3	CTMT	AUX	Grouted	7.69E+06	3.02E+05
P037	Position #4	CTMT	AUX	Grouted	4.50E+06	1.77E+05
P037	Position #5	CTMT	AUX	Grouted	4.17E+06	1.64E+05
P037	Position #6	CTMT	AUX	Grouted	4.29E+06	1.69E+05
P037	Position #7	CTMT	AUX	Grouted	4.05E+06	1.59E+05
P037	Position #8	CTMT	AUX	Grouted	4.04E+06	1.59E+05
P037	Position #9	CTMT	AUX	Grouted	3.90E+06	1.54E+05
P037	Position #10	CTMT	AUX	Grouted	3.96E+06	1.56E+05
P037	Position #11	CTMT	AUX	Grouted	3.94E+06	1.55E+05
P037	Position #12	CTMT	AUX	Grouted	3.95E+06	1.56E+05
P037	Position #13	CTMT	AUX	Grouted	4.04E+06	1.59E+05
P037	Position #14	CTMT	AUX	Grouted	3.96E+06	1.56E+05
P037	Position #15	CTMT	AUX	Grouted	3.82E+06	1.50E+05

P037	Position #16	CTMT	AUX	Grouted	3.87E+06	1.52E+05
P037	Position #17	CTMT	AUX	Grouted	3.86E+06	1.52E+05
P037	Position #18	CTMT	AUX	Grouted	3.72E+06	1.46E+05
P037	Position #19	CTMT	AUX	Grouted	3.90E+06	1.53E+05
P037	Position #20	CTMT	AUX	Grouted	3.88E+06	1.53E+05
P037	Position #21	CTMT	AUX	Grouted	3.79E+06	1.49E+05
P037	Position #22	CTMT	AUX	Grouted	3.79E+06	1.49E+05
P037	Position #23	CTMT	AUX	Grouted	3.69E+06	1.45E+05
P037	Position #24	CTMT	AUX	Grouted	3.49E+06	1.37E+05
P037	Position #25	CTMT	AUX	Grouted	3.40E+06	1.34E+05
P037	Position #26	CTMT	AUX	Grouted	3.49E+06	1.37E+05
P037	Position #27	CTMT	AUX	Grouted	3.40E+06	1.34E+05
P037	Position #28	CTMT	AUX	Grouted	3.46E+06	1.36E+05
P037	Position #29	CTMT	AUX	Grouted	3.48E+06	1.37E+05
P037	Position #30	CTMT	AUX	Grouted	3.46E+06	1.36E+05
P037	Position #31	CTMT	AUX	Grouted	3.46E+06	1.36E+05
P037	Position #32	CTMT	AUX	Grouted	3.61E+06	1.42E+05
P037	Position #33	CTMT	AUX	Grouted	3.58E+06	1.41E+05
P037	Position #34	CTMT	AUX	Grouted	3.57E+06	1.40E+05
P037	Position #35	CTMT	AUX	Grouted	3.51E+06	1.38E+05
P037	Position #36	CTMT	AUX	Grouted	3.58E+06	1.41E+05
P037	Position #37	CTMT	AUX	Grouted	3.63E+06	1.43E+05
P037	Position #38	CTMT	AUX	Grouted	3.50E+06	1.38E+05
P037	Position #39	CTMT	AUX	Grouted	3.51E+06	1.38E+05
P037	Position #40	CTMT	AUX	Grouted	3.52E+06	1.38E+05
P037	Position #41	CTMT	AUX	Grouted	3.59E+06	1.41E+05
P037	Position #42	CTMT	AUX	Grouted	3.66E+06	1.44E+05



P037	Position #43	CTMT	AUX	Grouted	3.69E+06	1.45E+05
P037	Position #44	CTMT	AUX	Grouted	3.75E+06	1.48E+05
P037	Position #45	CTMT	AUX	Grouted	3.73E+06	1.47E+05
P037	Position #46	CTMT	AUX	Grouted	3.84E+06	1.51E+05
P037	Position #47	CTMT	AUX	Grouted	3.82E+06	1.50E+05
P037	Position #48	CTMT	AUX	Grouted	3.97E+06	1.56E+05
P037	Position #49	CTMT	AUX	Grouted	4.04E+06	1.59E+05
P037	Position #50	CTMT	AUX	Grouted	4.07E+06	1.60E+05
P036	Position #1	CTMT	AUX	Grouted	2.37E+07	9.33E+05
P036	Position #2	CTMT	AUX	Grouted	8.09E+06	3.18E+05
P036	Position #3	CTMT	AUX	Grouted	4.74E+06	1.87E+05
P036	Position #4	CTMT	AUX	Grouted	4.36E+06	1.72E+05
P036	Position #5	CTMT	AUX	Grouted	4.30E+06	1.69E+05
P036	Position #6	CTMT	AUX	Grouted	4.17E+06	1.64E+05
P036	Position #7	CTMT	AUX	Grouted	3.93E+06	1.55E+05
P036	Position #8	CTMT	AUX	Grouted	3.94E+06	1.55E+05
P036	Position #9	CTMT	AUX	Grouted	3.83E+06	1.51E+05
P036	Position #10	CTMT	AUX	Grouted	3.86E+06	1.52E+05
P036	Position #11	CTMT	AUX	Grouted	3.84E+06	1.51E+05
P036	Position #12	CTMT	AUX	Grouted	3.79E+06	1.49E+05
P036	Position #13	CTMT	AUX	Grouted	3.72E+06	1.46E+05
P036	Position #14	CTMT	AUX	Grouted	3.74E+06	1.47E+05
P036	Position #15	CTMT	AUX	Grouted	3.82E+06	1.50E+05
P036	Position #16	CTMT	AUX	Grouted	3.70E+06	1.45E+05
P036	Position #17	CTMT	AUX	Grouted	3.77E+06	1.48E+05
P036	Position #18	CTMT	AUX	Grouted	3.71E+06	1.46E+05
P036	Position #19	CTMT	AUX	Grouted	3.66E+06	1.44E+05

P036	Position #20	CTMT	AUX	Grouted	3.61E+06	1.42E+05
P036	Position #21	CTMT	AUX	Grouted	3.35E+06	1.32E+05
P036	Position #22	CTMT	AUX	Grouted	3.38E+06	1.33E+05
P036	Position #23	CTMT	AUX	Grouted	3.35E+06	1.32E+05
P036	Position #24	CTMT	AUX	Grouted	3.19E+06	1.26E+05
P036	Position #25	CTMT	AUX	Grouted	3.26E+06	1.28E+05
P036	Position #26	CTMT	AUX	Grouted	3.24E+06	1.27E+05
P036	Position #27	CTMT	AUX	Grouted	3.33E+06	1.31E+05
P036	Position #28	CTMT	AUX	Grouted	3.40E+06	1.34E+05
P036	Position #29	CTMT	AUX	Grouted	3.34E+06	1.31E+05
P036	Position #30	CTMT	AUX	Grouted	3.40E+06	1.34E+05
P036	Position #31	CTMT	AUX	Grouted	3.38E+06	1.33E+05
P036	Position #32	CTMT	AUX	Grouted	3.46E+06	1.36E+05
P036	Position #33	CTMT	AUX	Grouted	3.48E+06	1.37E+05
P036	Position #34	CTMT	AUX	Grouted	3.44E+06	1.35E+05
P036	Position #35	CTMT	AUX	Grouted	3.49E+06	1.37E+05
P036	Position #36	CTMT	AUX	Grouted	3.51E+06	1.38E+05
P036	Position #37	CTMT	AUX	Grouted	3.47E+06	1.37E+05
P036	Position #38	CTMT	AUX	Grouted	3.45E+06	1.36E+05
P036	Position #39	CTMT	AUX	Grouted	3.39E+06	1.34E+05
P036	Position #40	CTMT	AUX	Grouted	3.45E+06	1.36E+05
P036	Position #41	CTMT	AUX	Grouted	3.58E+06	1.41E+05
P036	Position #42	CTMT	AUX	Grouted	3.50E+06	1.38E+05
P036	Position #43	CTMT	AUX	Grouted	3.52E+06	1.38E+05
P036	Position #44	CTMT	AUX	Grouted	3.68E+06	1.45E+05
P036	Position #45	CTMT	AUX	Grouted	3.65E+06	1.44E+05
P036	Position #46	CTMT	AUX	Grouted	3.92E+06	1.54E+05

P036	Position #47	CTMT	AUX	Grouted	4.17E+06	1.64E+05
P036	Position #48	CTMT	AUX	Grouted	4.70E+06	1.85E+05
P036	Position #49	CTMT	AUX	Grouted	4.20E+06	1.65E+05
P036	Position #50	CTMT	AUX	Grouted	3.76E+06	1.48E+05
P035	Position #1	CTMT	AUX	Grouted	1.79E+07	7.04E+05
P035	Position #2	CTMT	AUX	Grouted	6.47E+06	2.55E+05
P035	Position #3	CTMT	AUX	Grouted	4.72E+06	1.86E+05
P035	Position #4	CTMT	AUX	Grouted	4.39E+06	1.73E+05
P035	Position #5	CTMT	AUX	Grouted	4.27E+06	1.68E+05
P035	Position #6	CTMT	AUX	Grouted	4.13E+06	1.62E+05
P035	Position #7	CTMT	AUX	Grouted	4.01E+06	1.58E+05
P035	Position #8	CTMT	AUX	Grouted	4.14E+06	1.63E+05
P035	Position #9	CTMT	AUX	Grouted	4.08E+06	1.60E+05
P035	Position #10	CTMT	AUX	Grouted	3.90E+06	1.53E+05
P035	Position #11	CTMT	AUX	Grouted	3.93E+06	1.55E+05
P035	Position #12	CTMT	AUX	Grouted	4.04E+06	1.59E+05
P035	Position #13	CTMT	AUX	Grouted	3.98E+06	1.56E+05
P035	Position #14	CTMT	AUX	Grouted	4.02E+06	1.58E+05
P035	Position #15	CTMT	AUX	Grouted	4.07E+06	1.60E+05
P035	Position #16	CTMT	AUX	Grouted	3.99E+06	1.57E+05
P035	Position #17	CTMT	AUX	Grouted	3.93E+06	1.55E+05
P035	Position #18	CTMT	AUX	Grouted	3.88E+06	1.53E+05
P035	Position #19	CTMT	AUX	Grouted	3.82E+06	1.50E+05
P035	Position #20	CTMT	AUX	Grouted	3.65E+06	1.44E+05
P035	Position #21	CTMT	AUX	Grouted	3.54E+06	1.39E+05
P035	Position #22	CTMT	AUX	Grouted	3.57E+06	1.40E+05
P035	Position #23	CTMT	AUX	Grouted	3.53E+06	1.39E+05

P035	Position #24	CTMT	AUX	Grouted	3.32E+06	1.31E+05
P035	Position #25	CTMT	AUX	Grouted	3.45E+06	1.36E+05
P035	Position #26	CTMT	AUX	Grouted	3.42E+06	1.34E+05
P035	Position #27	CTMT	AUX	Grouted	3.33E+06	1.31E+05
P035	Position #28	CTMT	AUX	Grouted	3.45E+06	1.36E+05
P035	Position #29	CTMT	AUX	Grouted	3.44E+06	1.35E+05
P035	Position #30	CTMT	AUX	Grouted	3.43E+06	1.35E+05
P035	Position #31	CTMT	AUX	Grouted	3.52E+06	1.38E+05
P035	Position #32	CTMT	AUX	Grouted	3.56E+06	1.40E+05
P035	Position #33	CTMT	AUX	Grouted	3.56E+06	1.40E+05
P035	Position #34	CTMT	AUX	Grouted	3.73E+06	1.47E+05
P035	Position #35	CTMT	AUX	Grouted	3.74E+06	1.47E+05
P035	Position #36	CTMT	AUX	Grouted	3.87E+06	1.52E+05
P035	Position #37	CTMT	AUX	Grouted	3.84E+06	1.51E+05
P035	Position #38	CTMT	AUX	Grouted	3.87E+06	1.52E+05
P035	Position #39	CTMT	AUX	Grouted	3.81E+06	1.50E+05
P035	Position #40	CTMT	AUX	Grouted	3.79E+06	1.49E+05
P035	Position #41	CTMT	AUX	Grouted	3.86E+06	1.52E+05
P035	Position #42	CTMT	AUX	Grouted	3.99E+06	1.57E+05
P035	Position #43	CTMT	AUX	Grouted	3.90E+06	1.54E+05
P035	Position #44	CTMT	AUX	Grouted	4.08E+06	1.60E+05
P035	Position #45	CTMT	AUX	Grouted	4.22E+06	1.66E+05
P035	Position #46	CTMT	AUX	Grouted	4.23E+06	1.66E+05
P035	Position #47	CTMT	AUX	Grouted	4.32E+06	1.70E+05
P035	Position #48	CTMT	AUX	Grouted	4.40E+06	1.73E+05
P035	Position #49	CTMT	AUX	Grouted	4.55E+06	1.79E+05
P035	Position #50	CTMT	AUX	Grouted	4.91E+06	1.93E+05

P035	Position #51	CTMT	AUX	Grouted	4.40E+06	1.73E+05
P003	Position #1	CTMT	AUX	Removed	1.61E+06	6.33E+04
P003	Position #2	CTMT	AUX	Removed	1.91E+06	7.53E+04
P003	Position #3	CTMT	AUX	Removed	7.45E+06	2.93E+05
P050	Position #1	CTMT	AUX	Removed	4.04E+06	1.59E+05
P050	Position #2	CTMT	AUX	Removed	5.25E+06	2.07E+05
P050	Position #3	CTMT	AUX	Removed	6.17E+06	2.43E+05
P087	Position #1	CTMT	AUX	Removed	7.20E+06	2.83E+05
P087	Position #2	CTMT	AUX	Removed	9.19E+06	3.62E+05
P087	Position #3	CTMT	AUX	Removed	1.46E+07	5.74E+05
P064	Position #1	CTMT	AUX	Removed	5.56E+06	2.19E+05
P064	Position #2	CTMT	AUX	Removed	6.07E+06	2.39E+05
P064	Position #3	CTMT	AUX	Removed	7.94E+06	3.12E+05
P018	By Direct Scan	CTMT	AUX	Removed	1.06E+07	4.17E+05
P090	By Direct Scan	CTMT	AUX	Removed	9.23E+06	3.63E+05
P020	By Direct Scan	CTMT	AUX	Removed	2.73E+07	1.07E+06
P021	By Direct Scan	CTMT	AUX	Removed	4.57E+07	1.80E+06
P067	By Direct Scan	CTMT	AUX	Removed	3.36E+06	1.32E+05
P073	By Direct Scan	CTMT	AUX	Removed	5.78E+06	2.27E+05
P105	By Direct Scan	CTMT	AUX	Removed	1.76E+06	6.93E+04
P068	By Direct Scan	CTMT	AUX	Removed	1.09E+05	4.29E+03
P070	By Direct Scan	CTMT	AUX	Removed	2.79E+05	1.10E+04
P069	By Direct Scan	CTMT	AUX	Removed	1.31E+05	5.17E+03
P066	By Direct Scan	CTMT	AUX	Removed	1.17E+05	4.61E+03
P017	By Direct Scan	CTMT	AUX	Removed	1.27E+05	5.01E+03
P103	Position #1	CTMT	AUX	Removed	9.35E+06	3.68E+05
P103	Position #2	CTMT	AUX	Removed	3.80E+06	1.49E+05



P103	Position #3	CTMT	AUX	Removed	2.58E+06	1.01E+05
P103	Position #4	CTMT	AUX	Removed	2.19E+06	8.63E+04
P103	Position #5	CTMT	AUX	Removed	2.54E+06	1.00E+05
P056	Position #1	CTMT	AUX	Removed	1.17E+07	4.61E+05
P056	Position #2	CTMT	AUX	Removed	2.88E+06	1.13E+05
P056	Position #3	CTMT	AUX	Removed	1.74E+06	6.85E+04
P056	Position #4	CTMT	AUX	Removed	1.42E+06	5.58E+04
P056	Position #5	CTMT	AUX	Removed	1.40E+06	5.52E+04
P012	By Direct Scan	CTMT	AUX	Removed	2.09E+05	8.24E+03
P005	By Direct Scan	CTMT	TB	Open/Buried	8.16E+04	3.21E+03
P009	By Direct Scan	CTMT	TB	Open/Buried	8.75E+04	3.44E+03
P112	By Direct Scan	CTMT	TB	Open/Buried	8.75E+04	3.44E+03
P094	By Direct Scan	CTMT	TB	Open/Buried	9.01E+04	3.55E+03
P007	By Direct Scan	CTMT	TB	Open/Buried	7.98E+04	3.14E+03
P007	By Direct Scan	CTMT	TB	Open/Buried	3.68E+04	1.45E+03
P116	By Direct Scan	CTMT	TB	Open/Buried	6.07E+04	2.39E+03
P011	By Direct Scan	CTMT	TB	Open/Buried	4.09E+04	1.61E+03
P097	By Direct Scan	CTMT	TB	Open/Buried	6.01E+04	2.36E+03
P128	By Direct Scan	CTMT	TB	Open/Buried	7.30E+04	2.87E+03
P012	By Direct Scan	CTMT	TB	Open/Buried	2.09E+05	8.24E+03
P008	By Direct Scan	CTMT	TB	Open/Buried	1.19E+05	4.68E+03
P117	By Direct Scan	CTMT	TB	Open/Buried	7.04E+04	2.77E+03
P113	By Direct Scan	CTMT	TB	Open/Buried	5.04E+04	1.98E+03
P115	By Direct Scan	CTMT	TB	Open/Buried	1.24E+05	4.87E+03
P093	By Direct Scan	CTMT	TB	Open/Buried	1.70E+05	6.70E+03
P006	By Direct Scan	CTMT	TB	Open/Buried	1.17E+05	4.59E+03
P096	By Direct Scan	CTMT	TB	Open/Buried	6.98E+04	2.75E+03

P010	By Direct Scan	CTMT	TB	Open/Buried	1.05E+05	4.14E+03
P095	By Direct Scan	CTMT	TB	Open/Buried	6.10E+04	2.40E+03
P127	By Direct Scan	CTMT	TB	Open/Buried	1.08E+05	4.25E+03
P092	By Direct Scan	CTMT	TB	Open/Buried	6.07E+04	2.39E+03
P091	By Direct Scan	CTMT	TB	Open/Buried	7.36E+04	2.90E+03
P098	By Direct Scan	CTMT	TB	Open/Buried	6.33E+04	2.49E+03
P118	By Direct Scan	CTMT	TB	Open/Buried	6.39E+04	2.51E+03

	H-3 (pCi/m2)	Co-60 (pCi/m2)
MEAN CONCENTRATION - ALL	1.75E+07	6.87E+05
	H-3 (BcSOF)	Co-60 (BcSOF)
MEAN BcSOF - CTMT <sub>PN</sub> DCGLs	0.005	0.000
MEAN BcSOF - Most Limiting <sub>PN</sub> DCGLs	0.005	0.008

# ELEVATED

Survey Unit Area 242.360 m<sup>2</sup> (LTP Ch 6 Tabl

Elevated Area 0.559 m<sup>2</sup> (FOV of Detect

MEASUREMENT ID	BETWEEN	END STATE	H-3 (pCi/m2)	Co-60 (pCi/m2)
P123	Position #1	CTMT AUX Grouted	2.13E+08	8.37E+06
		CTMT <sub>PN</sub> DCGLs	0.000	0.000
		Limiting <sub>PN</sub> DCGLs	0.000	0.000

P123	Position #2	CTMT	AUX	Grouted	2.42E+08	9.53E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #3	CTMT	AUX	Grouted	2.67E+08	1.05E+07
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #4	CTMT	AUX	Grouted	2.58E+08	1.01E+07
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #5	CTMT	AUX	Grouted	2.37E+08	9.31E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #6	CTMT	AUX	Grouted	2.10E+08	8.25E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #7	CTMT	AUX	Grouted	1.96E+08	7.71E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #8	CTMT	AUX	Grouted	1.83E+08	7.21E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #9	CTMT	AUX	Grouted	1.73E+08	6.80E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #10	CTMT	AUX	Grouted	1.84E+08	7.26E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000

P123	Position #11	CTMT	AUX	Grouted	1.93E+08	7.61E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #12	CTMT	AUX	Grouted	1.93E+08	7.60E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #13	CTMT	AUX	Grouted	2.03E+08	7.99E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #14	CTMT	AUX	Grouted	1.81E+08	7.13E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #15	CTMT	AUX	Grouted	1.41E+08	5.54E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #16	CTMT	AUX	Grouted	1.19E+08	4.68E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #17	CTMT	AUX	Grouted	1.11E+08	4.37E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #18	CTMT	AUX	Grouted	1.07E+08	4.21E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #19	CTMT	AUX	Grouted	1.11E+08	4.35E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000

P123	Position #20	CTMT	AUX	Grouted	8.98E+07	3.53E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #21	CTMT	AUX	Grouted	6.62E+07	2.61E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #22	CTMT	AUX	Grouted	5.80E+07	2.28E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P123	Position #23	CTMT	AUX	Grouted	4.22E+07	1.66E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #1	CTMT	AUX	Grouted	8.20E+07	3.23E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #2	CTMT	AUX	Grouted	6.80E+07	2.68E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #3	CTMT	AUX	Grouted	7.10E+07	2.80E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #4	CTMT	AUX	Grouted	7.18E+07	2.83E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #5	CTMT	AUX	Grouted	7.08E+07	2.79E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000

P124	Position #6	CTMT	AUX	Grouted	6.72E+07	2.64E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #7	CTMT	AUX	Grouted	5.96E+07	2.35E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #8	CTMT	AUX	Grouted	5.76E+07	2.27E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #9	CTMT	AUX	Grouted	5.79E+07	2.28E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #10	CTMT	AUX	Grouted	5.90E+07	2.32E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #11	CTMT	AUX	Grouted	6.11E+07	2.40E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #12	CTMT	AUX	Grouted	6.22E+07	2.45E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #13	CTMT	AUX	Grouted	6.30E+07	2.48E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #14	CTMT	AUX	Grouted	6.56E+07	2.58E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000

P124	Position #15	CTMT	AUX	Grouted	6.30E+07	2.48E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #16	CTMT	AUX	Grouted	5.04E+07	1.98E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #17	CTMT	AUX	Grouted	4.42E+07	1.74E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #18	CTMT	AUX	Grouted	4.10E+07	1.61E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P124	Position #19	CTMT	AUX	Grouted	3.55E+07	1.40E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000
P021	By Direct Scan	CTMT	AUX	Removed	4.57E+07	1.80E+06
				CTMT <sub>PN</sub> DCGLs	0.000	0.000
				Limiting <sub>PN</sub> DCGLs	0.000	0.000

































## MEAN CONCENTRATIONS BY BUILDING

Ni-63 (pCi/m2)	Sr-90 (pCi/m2)	Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)
3.04E+08	2.08E+05	1.46E+03	9.92E+06	6.40E+04	8.73E+03
6.52E+07	4.48E+04	3.13E+02	2.13E+06	1.38E+04	1.88E+03
1.85E+08	1.27E+05	8.98E+02	6.13E+06	3.89E+04	5.31E+03
2.04E+06	1.72E+03	8.87E+01	6.66E+05	1.31E+02	1.78E+01
<b>BcSOF USING MOST LIMITING BcDCGL<sub>PN</sub></b>					
0.006	0.011	0.000	0.019	0.000	0.000
0.001	0.002	0.000	0.004	0.000	0.000
0.003	0.007	0.000	0.012	0.000	0.000
0.000	0.000	0.000	0.001	0.000	0.000

## UNIT 1 CONTAINMENT PENETRATIONS

Ni-63 <sup>(1)</sup> (pCi/m2)	Sr-90 <sup>(1)</sup> (pCi/m2)	Cs-134 <sup>(2)</sup> (pCi/m2)	Cs-137 <sup>(2)</sup> (pCi/m2)	Eu-152 <sup>(2)</sup> (pCi/m2)	Eu-154 <sup>(2)</sup> (pCi/m2)
1.85E+08	1.27E+05	8.86E+02	6.04E+06	3.90E+04	5.31E+03
5.14E+07	3.53E+04	2.46E+02	1.68E+06	1.08E+04	1.48E+03
3.08E+07	2.12E+04	1.48E+02	1.01E+06	6.51E+03	8.87E+02
2.82E+07	1.93E+04	1.35E+02	9.21E+05	5.94E+03	8.10E+02
5.35E+07	3.67E+04	2.56E+02	1.75E+06	1.13E+04	1.54E+03
4.32E+07	2.96E+04	2.07E+02	1.41E+06	9.11E+03	1.24E+03
1.37E+08	9.39E+04	6.56E+02	4.47E+06	2.89E+04	3.94E+03
3.58E+07	2.46E+04	1.72E+02	1.17E+06	7.56E+03	1.03E+03
2.62E+07	1.80E+04	1.26E+02	8.56E+05	5.53E+03	7.54E+02
2.82E+07	1.94E+04	1.35E+02	9.22E+05	5.95E+03	8.11E+02
1.22E+08	8.35E+04	5.83E+02	3.97E+06	2.57E+04	3.50E+03

3.71E+07	2.54E+04	1.78E+02	1.21E+06	7.82E+03	1.07E+03
2.58E+07	1.77E+04	1.23E+02	8.42E+05	5.43E+03	7.41E+02
2.39E+07	1.64E+04	1.15E+02	7.82E+05	5.05E+03	6.88E+02
2.66E+07	1.83E+04	1.28E+02	8.70E+05	5.62E+03	7.66E+02
1.73E+08	1.19E+05	8.28E+02	5.65E+06	3.64E+04	4.97E+03
4.16E+07	2.85E+04	1.99E+02	1.36E+06	8.77E+03	1.20E+03
2.73E+07	1.87E+04	1.31E+02	8.92E+05	5.76E+03	7.85E+02
2.63E+07	1.80E+04	1.26E+02	8.58E+05	5.54E+03	7.55E+02
3.37E+07	2.31E+04	1.62E+02	1.10E+06	7.11E+03	9.70E+02
1.07E+08	7.34E+04	5.13E+02	3.50E+06	2.26E+04	3.08E+03
3.51E+07	2.41E+04	1.68E+02	1.15E+06	7.41E+03	1.01E+03
2.74E+07	1.88E+04	1.32E+02	8.97E+05	5.79E+03	7.89E+02
2.55E+07	1.75E+04	1.22E+02	8.33E+05	5.38E+03	7.34E+02
3.03E+07	2.08E+04	1.45E+02	9.91E+05	6.40E+03	8.73E+02
1.41E+08	9.66E+04	6.75E+02	4.60E+06	2.97E+04	4.05E+03
4.92E+07	3.37E+04	2.36E+02	1.61E+06	1.04E+04	1.41E+03
3.26E+07	2.24E+04	1.56E+02	1.06E+06	6.87E+03	9.37E+02
2.81E+07	1.93E+04	1.35E+02	9.18E+05	5.92E+03	8.08E+02
3.76E+07	2.58E+04	1.80E+02	1.23E+06	7.94E+03	1.08E+03
1.49E+08	1.02E+05	7.16E+02	4.88E+06	3.15E+04	4.29E+03
3.04E+07	2.09E+04	1.46E+02	9.95E+05	6.42E+03	8.75E+02
2.68E+07	1.84E+04	1.28E+02	8.76E+05	5.65E+03	7.71E+02
2.78E+07	1.91E+04	1.33E+02	9.08E+05	5.86E+03	7.99E+02
3.12E+07	2.14E+04	1.49E+02	1.02E+06	6.57E+03	8.96E+02
1.39E+08	9.54E+04	6.66E+02	4.54E+06	2.93E+04	4.00E+03
5.14E+07	3.53E+04	2.46E+02	1.68E+06	1.08E+04	1.48E+03
4.68E+07	3.21E+04	2.24E+02	1.53E+06	9.86E+03	1.35E+03

2.69E+07	1.85E+04	1.29E+02	8.79E+05	5.67E+03	7.74E+02
5.52E+07	3.79E+04	2.65E+02	1.80E+06	1.16E+04	1.59E+03
1.41E+08	9.66E+04	6.75E+02	4.60E+06	2.97E+04	4.05E+03
3.40E+07	2.33E+04	1.63E+02	1.11E+06	7.17E+03	9.78E+02
3.55E+07	2.44E+04	1.70E+02	1.16E+06	7.49E+03	1.02E+03
3.98E+07	2.73E+04	1.91E+02	1.30E+06	8.39E+03	1.14E+03
6.67E+07	4.57E+04	3.20E+02	2.18E+06	1.41E+04	1.92E+03
1.27E+08	8.71E+04	6.08E+02	4.15E+06	2.68E+04	3.65E+03
2.89E+07	1.99E+04	1.39E+02	9.46E+05	6.10E+03	8.32E+02
3.01E+07	2.07E+04	1.45E+02	9.85E+05	6.36E+03	8.67E+02
3.57E+07	2.45E+04	1.71E+02	1.17E+06	7.54E+03	1.03E+03
3.80E+07	2.61E+04	1.82E+02	1.24E+06	8.02E+03	1.09E+03
1.08E+08	7.40E+04	5.17E+02	3.53E+06	2.28E+04	3.10E+03
3.25E+07	2.23E+04	1.56E+02	1.06E+06	6.86E+03	9.35E+02
3.11E+07	2.13E+04	1.49E+02	1.02E+06	6.56E+03	8.94E+02
3.21E+07	2.20E+04	1.54E+02	1.05E+06	6.77E+03	9.23E+02
4.56E+07	3.13E+04	2.19E+02	1.49E+06	9.61E+03	1.31E+03
1.88E+06	1.29E+03	9.03E+00	6.16E+04	3.97E+02	5.42E+01
1.80E+07	1.23E+04	8.62E+01	5.87E+05	3.79E+03	5.17E+02
1.63E+06	1.12E+03	7.83E+00	5.34E+04	3.45E+02	4.70E+01
3.70E+09	2.54E+06	1.77E+04	1.21E+08	7.80E+05	1.06E+05
4.21E+09	2.89E+06	2.02E+04	1.38E+08	8.89E+05	1.21E+05
4.63E+09	3.18E+06	2.22E+04	1.51E+08	9.77E+05	1.33E+05
4.48E+09	3.07E+06	2.15E+04	1.46E+08	9.44E+05	1.29E+05
4.11E+09	2.82E+06	1.97E+04	1.34E+08	8.68E+05	1.18E+05
3.65E+09	2.50E+06	1.75E+04	1.19E+08	7.69E+05	1.05E+05
3.41E+09	2.34E+06	1.63E+04	1.11E+08	7.18E+05	9.80E+04



3.19E+09	2.19E+06	1.53E+04	1.04E+08	6.72E+05	9.17E+04
3.01E+09	2.06E+06	1.44E+04	9.83E+07	6.34E+05	8.65E+04
3.21E+09	2.20E+06	1.54E+04	1.05E+08	6.76E+05	9.22E+04
3.36E+09	2.31E+06	1.61E+04	1.10E+08	7.10E+05	9.68E+04
3.36E+09	2.30E+06	1.61E+04	1.10E+08	7.08E+05	9.66E+04
3.53E+09	2.42E+06	1.69E+04	1.15E+08	7.45E+05	1.02E+05
3.15E+09	2.16E+06	1.51E+04	1.03E+08	6.64E+05	9.06E+04
2.45E+09	1.68E+06	1.17E+04	8.00E+07	5.16E+05	7.04E+04
2.07E+09	1.42E+06	9.92E+03	6.76E+07	4.37E+05	5.95E+04
1.93E+09	1.32E+06	9.25E+03	6.31E+07	4.07E+05	5.55E+04
1.86E+09	1.28E+06	8.93E+03	6.09E+07	3.93E+05	5.36E+04
1.92E+09	1.32E+06	9.22E+03	6.29E+07	4.06E+05	5.53E+04
1.56E+09	1.07E+06	7.48E+03	5.10E+07	3.29E+05	4.49E+04
1.15E+09	7.90E+05	5.52E+03	3.76E+07	2.43E+05	3.31E+04
1.01E+09	6.92E+05	4.83E+03	3.29E+07	2.13E+05	2.90E+04
7.34E+08	5.04E+05	3.52E+03	2.40E+07	1.55E+05	2.11E+04
4.04E+08	2.77E+05	1.94E+03	1.32E+07	8.52E+04	1.16E+04
3.16E+08	2.17E+05	1.51E+03	1.03E+07	6.66E+04	9.08E+03
2.62E+08	1.80E+05	1.26E+03	8.57E+06	5.53E+04	7.54E+03
2.60E+08	1.79E+05	1.25E+03	8.51E+06	5.49E+04	7.49E+03
2.03E+08	1.39E+05	9.74E+02	6.64E+06	4.28E+04	5.84E+03
1.54E+08	1.06E+05	7.40E+02	5.04E+06	3.25E+04	4.44E+03
1.34E+08	9.19E+04	6.42E+02	4.37E+06	2.82E+04	3.85E+03
1.26E+08	8.64E+04	6.04E+02	4.12E+06	2.66E+04	3.62E+03
1.21E+08	8.33E+04	5.82E+02	3.97E+06	2.56E+04	3.49E+03
1.28E+08	8.75E+04	6.11E+02	4.17E+06	2.69E+04	3.67E+03
1.39E+08	9.55E+04	6.67E+02	4.55E+06	2.94E+04	4.00E+03

1.74E+08	1.19E+05	8.32E+02	5.67E+06	3.66E+04	4.99E+03
1.40E+08	9.63E+04	6.73E+02	4.59E+06	2.96E+04	4.04E+03
1.38E+08	9.44E+04	6.60E+02	4.50E+06	2.90E+04	3.96E+03
1.15E+08	7.86E+04	5.49E+02	3.74E+06	2.42E+04	3.29E+03
1.06E+08	7.27E+04	5.08E+02	3.46E+06	2.23E+04	3.05E+03
1.06E+08	7.28E+04	5.08E+02	3.46E+06	2.24E+04	3.05E+03
1.10E+08	7.52E+04	5.25E+02	3.58E+06	2.31E+04	3.15E+03
1.20E+08	8.25E+04	5.77E+02	3.93E+06	2.54E+04	3.46E+03
1.19E+08	8.15E+04	5.69E+02	3.88E+06	2.50E+04	3.41E+03
1.65E+08	1.13E+05	7.91E+02	5.39E+06	3.48E+04	4.74E+03
1.16E+08	7.96E+04	5.56E+02	3.79E+06	2.45E+04	3.34E+03
1.03E+08	7.08E+04	4.95E+02	3.37E+06	2.18E+04	2.97E+03
1.07E+08	7.34E+04	5.12E+02	3.49E+06	2.25E+04	3.07E+03
1.26E+08	8.66E+04	6.05E+02	4.12E+06	2.66E+04	3.63E+03
1.19E+08	8.15E+04	5.69E+02	3.88E+06	2.51E+04	3.42E+03
1.14E+08	7.81E+04	5.45E+02	3.72E+06	2.40E+04	3.27E+03
1.43E+09	9.79E+05	6.84E+03	4.66E+07	3.01E+05	4.10E+04
1.18E+09	8.11E+05	5.67E+03	3.86E+07	2.49E+05	3.40E+04
1.24E+09	8.48E+05	5.92E+03	4.04E+07	2.61E+05	3.55E+04
1.25E+09	8.57E+05	5.99E+03	4.08E+07	2.63E+05	3.59E+04
1.23E+09	8.45E+05	5.90E+03	4.02E+07	2.60E+05	3.54E+04
1.17E+09	8.02E+05	5.60E+03	3.82E+07	2.46E+05	3.36E+04
1.04E+09	7.12E+05	4.97E+03	3.39E+07	2.19E+05	2.98E+04
1.00E+09	6.87E+05	4.80E+03	3.27E+07	2.11E+05	2.88E+04
1.01E+09	6.91E+05	4.83E+03	3.29E+07	2.12E+05	2.90E+04
1.03E+09	7.04E+05	4.92E+03	3.35E+07	2.16E+05	2.95E+04
1.06E+09	7.29E+05	5.09E+03	3.47E+07	2.24E+05	3.05E+04

1.08E+09	7.42E+05	5.18E+03	3.53E+07	2.28E+05	3.11E+04
1.09E+09	7.51E+05	5.25E+03	3.58E+07	2.31E+05	3.15E+04
1.14E+09	7.82E+05	5.47E+03	3.73E+07	2.40E+05	3.28E+04
1.10E+09	7.52E+05	5.25E+03	3.58E+07	2.31E+05	3.15E+04
8.76E+08	6.01E+05	4.20E+03	2.86E+07	1.85E+05	2.52E+04
7.69E+08	5.28E+05	3.69E+03	2.51E+07	1.62E+05	2.21E+04
7.13E+08	4.89E+05	3.42E+03	2.33E+07	1.50E+05	2.05E+04
6.17E+08	4.24E+05	2.96E+03	2.02E+07	1.30E+05	1.78E+04
5.11E+08	3.50E+05	2.45E+03	1.67E+07	1.08E+05	1.47E+04
4.27E+08	2.93E+05	2.05E+03	1.39E+07	9.00E+04	1.23E+04
3.43E+08	2.36E+05	1.65E+03	1.12E+07	7.24E+04	9.88E+03
2.45E+08	1.68E+05	1.17E+03	7.99E+06	5.16E+04	7.03E+03
1.79E+08	1.23E+05	8.60E+02	5.86E+06	3.78E+04	5.16E+03
1.41E+08	9.68E+04	6.76E+02	4.61E+06	2.98E+04	4.06E+03
1.38E+08	9.47E+04	6.61E+02	4.51E+06	2.91E+04	3.97E+03
1.18E+08	8.13E+04	5.68E+02	3.87E+06	2.50E+04	3.41E+03
1.10E+08	7.58E+04	5.29E+02	3.61E+06	2.33E+04	3.18E+03
1.02E+08	6.97E+04	4.87E+02	3.32E+06	2.14E+04	2.92E+03
9.73E+07	6.68E+04	4.67E+02	3.18E+06	2.05E+04	2.80E+03
9.77E+07	6.70E+04	4.68E+02	3.19E+06	2.06E+04	2.81E+03
9.25E+07	6.35E+04	4.43E+02	3.02E+06	1.95E+04	2.66E+03
9.17E+07	6.30E+04	4.40E+02	3.00E+06	1.93E+04	2.64E+03
9.16E+07	6.28E+04	4.39E+02	2.99E+06	1.93E+04	2.63E+03
1.02E+08	6.99E+04	4.88E+02	3.33E+06	2.15E+04	2.93E+03
9.18E+07	6.30E+04	4.40E+02	3.00E+06	1.94E+04	2.64E+03
8.64E+07	5.93E+04	4.14E+02	2.82E+06	1.82E+04	2.49E+03
8.39E+07	5.76E+04	4.02E+02	2.74E+06	1.77E+04	2.41E+03

8.43E+07	5.78E+04	4.04E+02	2.75E+06	1.78E+04	2.42E+03
8.63E+07	5.92E+04	4.14E+02	2.82E+06	1.82E+04	2.48E+03
8.28E+07	5.68E+04	3.97E+02	2.71E+06	1.75E+04	2.38E+03
8.34E+07	5.73E+04	4.00E+02	2.73E+06	1.76E+04	2.40E+03
8.80E+07	6.04E+04	4.22E+02	2.87E+06	1.86E+04	2.53E+03
8.85E+07	6.07E+04	4.24E+02	2.89E+06	1.87E+04	2.54E+03
8.35E+07	5.73E+04	4.00E+02	2.73E+06	1.76E+04	2.40E+03
8.29E+07	5.69E+04	3.97E+02	2.71E+06	1.75E+04	2.38E+03
7.98E+07	5.48E+04	3.83E+02	2.61E+06	1.68E+04	2.30E+03
7.75E+07	5.32E+04	3.71E+02	2.53E+06	1.63E+04	2.23E+03
7.98E+07	5.47E+04	3.82E+02	2.61E+06	1.68E+04	2.29E+03
7.85E+07	5.39E+04	3.76E+02	2.57E+06	1.66E+04	2.26E+03
2.72E+08	1.86E+05	1.30E+03	8.88E+06	5.73E+04	7.82E+03
1.26E+08	8.63E+04	6.03E+02	4.11E+06	2.65E+04	3.62E+03
1.34E+08	9.17E+04	6.41E+02	4.37E+06	2.82E+04	3.84E+03
7.82E+07	5.36E+04	3.75E+02	2.55E+06	1.65E+04	2.25E+03
7.25E+07	4.97E+04	3.47E+02	2.37E+06	1.53E+04	2.08E+03
7.47E+07	5.12E+04	3.58E+02	2.44E+06	1.57E+04	2.15E+03
7.04E+07	4.83E+04	3.38E+02	2.30E+06	1.49E+04	2.03E+03
7.03E+07	4.82E+04	3.37E+02	2.30E+06	1.48E+04	2.02E+03
6.79E+07	4.66E+04	3.25E+02	2.22E+06	1.43E+04	1.95E+03
6.89E+07	4.73E+04	3.30E+02	2.25E+06	1.45E+04	1.98E+03
6.86E+07	4.71E+04	3.29E+02	2.24E+06	1.45E+04	1.97E+03
6.88E+07	4.72E+04	3.30E+02	2.25E+06	1.45E+04	1.98E+03
7.02E+07	4.82E+04	3.36E+02	2.29E+06	1.48E+04	2.02E+03
6.89E+07	4.73E+04	3.30E+02	2.25E+06	1.45E+04	1.98E+03
6.65E+07	4.56E+04	3.19E+02	2.17E+06	1.40E+04	1.91E+03

6.74E+07	4.62E+04	3.23E+02	2.20E+06	1.42E+04	1.94E+03
6.72E+07	4.61E+04	3.22E+02	2.20E+06	1.42E+04	1.93E+03
6.46E+07	4.44E+04	3.10E+02	2.11E+06	1.36E+04	1.86E+03
6.78E+07	4.65E+04	3.25E+02	2.22E+06	1.43E+04	1.95E+03
6.75E+07	4.63E+04	3.23E+02	2.20E+06	1.42E+04	1.94E+03
6.59E+07	4.52E+04	3.16E+02	2.15E+06	1.39E+04	1.89E+03
6.59E+07	4.52E+04	3.16E+02	2.15E+06	1.39E+04	1.89E+03
6.41E+07	4.40E+04	3.07E+02	2.09E+06	1.35E+04	1.84E+03
6.07E+07	4.16E+04	2.91E+02	1.98E+06	1.28E+04	1.75E+03
5.91E+07	4.06E+04	2.83E+02	1.93E+06	1.25E+04	1.70E+03
6.08E+07	4.17E+04	2.91E+02	1.99E+06	1.28E+04	1.75E+03
5.91E+07	4.06E+04	2.83E+02	1.93E+06	1.25E+04	1.70E+03
6.02E+07	4.13E+04	2.89E+02	1.97E+06	1.27E+04	1.73E+03
6.05E+07	4.15E+04	2.90E+02	1.98E+06	1.28E+04	1.74E+03
6.02E+07	4.13E+04	2.89E+02	1.97E+06	1.27E+04	1.73E+03
6.02E+07	4.13E+04	2.89E+02	1.97E+06	1.27E+04	1.73E+03
6.27E+07	4.30E+04	3.01E+02	2.05E+06	1.32E+04	1.80E+03
6.23E+07	4.27E+04	2.98E+02	2.03E+06	1.31E+04	1.79E+03
6.20E+07	4.25E+04	2.97E+02	2.03E+06	1.31E+04	1.78E+03
6.11E+07	4.19E+04	2.93E+02	2.00E+06	1.29E+04	1.76E+03
6.22E+07	4.27E+04	2.98E+02	2.03E+06	1.31E+04	1.79E+03
6.31E+07	4.33E+04	3.02E+02	2.06E+06	1.33E+04	1.81E+03
6.09E+07	4.18E+04	2.92E+02	1.99E+06	1.29E+04	1.75E+03
6.10E+07	4.19E+04	2.93E+02	1.99E+06	1.29E+04	1.76E+03
6.12E+07	4.20E+04	2.93E+02	2.00E+06	1.29E+04	1.76E+03
6.24E+07	4.28E+04	2.99E+02	2.04E+06	1.32E+04	1.79E+03
6.36E+07	4.36E+04	3.05E+02	2.08E+06	1.34E+04	1.83E+03

6.41E+07	4.40E+04	3.07E+02	2.09E+06	1.35E+04	1.84E+03
6.53E+07	4.48E+04	3.13E+02	2.13E+06	1.38E+04	1.88E+03
6.49E+07	4.45E+04	3.11E+02	2.12E+06	1.37E+04	1.87E+03
6.68E+07	4.59E+04	3.20E+02	2.18E+06	1.41E+04	1.92E+03
6.65E+07	4.56E+04	3.19E+02	2.17E+06	1.40E+04	1.91E+03
6.89E+07	4.73E+04	3.30E+02	2.25E+06	1.45E+04	1.98E+03
7.03E+07	4.82E+04	3.37E+02	2.30E+06	1.48E+04	2.02E+03
7.08E+07	4.86E+04	3.39E+02	2.31E+06	1.49E+04	2.04E+03
4.12E+08	2.83E+05	1.98E+03	1.35E+07	8.70E+04	1.19E+04
1.41E+08	9.66E+04	6.74E+02	4.60E+06	2.97E+04	4.05E+03
8.25E+07	5.66E+04	3.95E+02	2.70E+06	1.74E+04	2.37E+03
7.58E+07	5.20E+04	3.63E+02	2.48E+06	1.60E+04	2.18E+03
7.48E+07	5.14E+04	3.59E+02	2.45E+06	1.58E+04	2.15E+03
7.26E+07	4.98E+04	3.48E+02	2.37E+06	1.53E+04	2.09E+03
6.83E+07	4.69E+04	3.28E+02	2.23E+06	1.44E+04	1.97E+03
6.86E+07	4.71E+04	3.29E+02	2.24E+06	1.45E+04	1.97E+03
6.67E+07	4.57E+04	3.20E+02	2.18E+06	1.41E+04	1.92E+03
6.72E+07	4.61E+04	3.22E+02	2.20E+06	1.42E+04	1.93E+03
6.68E+07	4.59E+04	3.20E+02	2.18E+06	1.41E+04	1.92E+03
6.60E+07	4.53E+04	3.16E+02	2.16E+06	1.39E+04	1.90E+03
6.46E+07	4.44E+04	3.10E+02	2.11E+06	1.36E+04	1.86E+03
6.51E+07	4.47E+04	3.12E+02	2.13E+06	1.37E+04	1.87E+03
6.65E+07	4.56E+04	3.19E+02	2.17E+06	1.40E+04	1.91E+03
6.43E+07	4.41E+04	3.08E+02	2.10E+06	1.36E+04	1.85E+03
6.55E+07	4.50E+04	3.14E+02	2.14E+06	1.38E+04	1.88E+03
6.45E+07	4.43E+04	3.09E+02	2.11E+06	1.36E+04	1.86E+03
6.37E+07	4.37E+04	3.05E+02	2.08E+06	1.34E+04	1.83E+03

6.27E+07	4.30E+04	3.01E+02	2.05E+06	1.32E+04	1.80E+03
5.83E+07	4.00E+04	2.79E+02	1.91E+06	1.23E+04	1.68E+03
5.87E+07	4.03E+04	2.82E+02	1.92E+06	1.24E+04	1.69E+03
5.83E+07	4.00E+04	2.79E+02	1.91E+06	1.23E+04	1.68E+03
5.55E+07	3.81E+04	2.66E+02	1.81E+06	1.17E+04	1.60E+03
5.66E+07	3.89E+04	2.71E+02	1.85E+06	1.19E+04	1.63E+03
5.63E+07	3.86E+04	2.70E+02	1.84E+06	1.19E+04	1.62E+03
5.80E+07	3.98E+04	2.78E+02	1.89E+06	1.22E+04	1.67E+03
5.92E+07	4.06E+04	2.84E+02	1.93E+06	1.25E+04	1.70E+03
5.80E+07	3.98E+04	2.78E+02	1.90E+06	1.22E+04	1.67E+03
5.92E+07	4.06E+04	2.84E+02	1.93E+06	1.25E+04	1.70E+03
5.88E+07	4.04E+04	2.82E+02	1.92E+06	1.24E+04	1.69E+03
6.02E+07	4.13E+04	2.89E+02	1.97E+06	1.27E+04	1.73E+03
6.06E+07	4.16E+04	2.90E+02	1.98E+06	1.28E+04	1.74E+03
5.98E+07	4.10E+04	2.87E+02	1.95E+06	1.26E+04	1.72E+03
6.08E+07	4.17E+04	2.91E+02	1.99E+06	1.28E+04	1.75E+03
6.10E+07	4.19E+04	2.93E+02	1.99E+06	1.29E+04	1.76E+03
6.04E+07	4.15E+04	2.90E+02	1.97E+06	1.27E+04	1.74E+03
6.01E+07	4.12E+04	2.88E+02	1.96E+06	1.27E+04	1.73E+03
5.90E+07	4.05E+04	2.83E+02	1.93E+06	1.24E+04	1.70E+03
6.00E+07	4.12E+04	2.87E+02	1.96E+06	1.26E+04	1.72E+03
6.22E+07	4.27E+04	2.98E+02	2.03E+06	1.31E+04	1.79E+03
6.09E+07	4.18E+04	2.92E+02	1.99E+06	1.29E+04	1.75E+03
6.12E+07	4.20E+04	2.93E+02	2.00E+06	1.29E+04	1.76E+03
6.40E+07	4.39E+04	3.07E+02	2.09E+06	1.35E+04	1.84E+03
6.35E+07	4.36E+04	3.04E+02	2.07E+06	1.34E+04	1.83E+03
6.82E+07	4.68E+04	3.27E+02	2.23E+06	1.44E+04	1.96E+03

7.25E+07	4.97E+04	3.47E+02	2.37E+06	1.53E+04	2.08E+03
8.17E+07	5.61E+04	3.92E+02	2.67E+06	1.72E+04	2.35E+03
7.31E+07	5.01E+04	3.50E+02	2.39E+06	1.54E+04	2.10E+03
6.54E+07	4.49E+04	3.14E+02	2.14E+06	1.38E+04	1.88E+03
3.11E+08	2.14E+05	1.49E+03	1.02E+07	6.57E+04	8.95E+03
1.13E+08	7.72E+04	5.40E+02	3.68E+06	2.37E+04	3.24E+03
8.21E+07	5.64E+04	3.94E+02	2.68E+06	1.73E+04	2.36E+03
7.64E+07	5.24E+04	3.66E+02	2.50E+06	1.61E+04	2.20E+03
7.43E+07	5.10E+04	3.56E+02	2.43E+06	1.57E+04	2.14E+03
7.18E+07	4.92E+04	3.44E+02	2.34E+06	1.51E+04	2.06E+03
6.96E+07	4.78E+04	3.34E+02	2.28E+06	1.47E+04	2.00E+03
7.19E+07	4.94E+04	3.45E+02	2.35E+06	1.52E+04	2.07E+03
7.09E+07	4.86E+04	3.40E+02	2.32E+06	1.49E+04	2.04E+03
6.78E+07	4.65E+04	3.25E+02	2.22E+06	1.43E+04	1.95E+03
6.84E+07	4.69E+04	3.28E+02	2.24E+06	1.44E+04	1.97E+03
7.02E+07	4.82E+04	3.36E+02	2.29E+06	1.48E+04	2.02E+03
6.91E+07	4.74E+04	3.31E+02	2.26E+06	1.46E+04	1.99E+03
6.98E+07	4.79E+04	3.35E+02	2.28E+06	1.47E+04	2.01E+03
7.08E+07	4.86E+04	3.39E+02	2.31E+06	1.49E+04	2.04E+03
6.94E+07	4.76E+04	3.33E+02	2.27E+06	1.46E+04	2.00E+03
6.84E+07	4.69E+04	3.28E+02	2.24E+06	1.44E+04	1.97E+03
6.75E+07	4.63E+04	3.23E+02	2.20E+06	1.42E+04	1.94E+03
6.64E+07	4.56E+04	3.18E+02	2.17E+06	1.40E+04	1.91E+03
6.35E+07	4.36E+04	3.04E+02	2.07E+06	1.34E+04	1.83E+03
6.16E+07	4.22E+04	2.95E+02	2.01E+06	1.30E+04	1.77E+03
6.21E+07	4.26E+04	2.98E+02	2.03E+06	1.31E+04	1.79E+03
6.13E+07	4.21E+04	2.94E+02	2.00E+06	1.29E+04	1.76E+03



5.78E+07	3.96E+04	2.77E+02	1.89E+06	1.22E+04	1.66E+03
6.00E+07	4.12E+04	2.87E+02	1.96E+06	1.26E+04	1.72E+03
5.94E+07	4.08E+04	2.85E+02	1.94E+06	1.25E+04	1.71E+03
5.80E+07	3.98E+04	2.78E+02	1.89E+06	1.22E+04	1.67E+03
6.01E+07	4.12E+04	2.88E+02	1.96E+06	1.27E+04	1.73E+03
5.98E+07	4.10E+04	2.87E+02	1.95E+06	1.26E+04	1.72E+03
5.97E+07	4.10E+04	2.86E+02	1.95E+06	1.26E+04	1.72E+03
6.12E+07	4.20E+04	2.93E+02	2.00E+06	1.29E+04	1.76E+03
6.18E+07	4.24E+04	2.96E+02	2.02E+06	1.30E+04	1.78E+03
6.18E+07	4.24E+04	2.96E+02	2.02E+06	1.30E+04	1.78E+03
6.49E+07	4.45E+04	3.11E+02	2.12E+06	1.37E+04	1.87E+03
6.51E+07	4.47E+04	3.12E+02	2.13E+06	1.37E+04	1.87E+03
6.74E+07	4.62E+04	3.23E+02	2.20E+06	1.42E+04	1.94E+03
6.67E+07	4.58E+04	3.20E+02	2.18E+06	1.41E+04	1.92E+03
6.73E+07	4.62E+04	3.22E+02	2.20E+06	1.42E+04	1.93E+03
6.63E+07	4.55E+04	3.18E+02	2.17E+06	1.40E+04	1.91E+03
6.59E+07	4.52E+04	3.16E+02	2.15E+06	1.39E+04	1.89E+03
6.71E+07	4.60E+04	3.22E+02	2.19E+06	1.42E+04	1.93E+03
6.93E+07	4.76E+04	3.32E+02	2.26E+06	1.46E+04	1.99E+03
6.79E+07	4.66E+04	3.25E+02	2.22E+06	1.43E+04	1.95E+03
7.09E+07	4.86E+04	3.40E+02	2.32E+06	1.49E+04	2.04E+03
7.34E+07	5.04E+04	3.52E+02	2.40E+06	1.55E+04	2.11E+03
7.35E+07	5.04E+04	3.52E+02	2.40E+06	1.55E+04	2.11E+03
7.52E+07	5.16E+04	3.60E+02	2.46E+06	1.59E+04	2.16E+03
7.65E+07	5.25E+04	3.67E+02	2.50E+06	1.61E+04	2.20E+03
7.91E+07	5.43E+04	3.79E+02	2.58E+06	1.67E+04	2.27E+03
8.54E+07	5.86E+04	4.09E+02	2.79E+06	1.80E+04	2.46E+03

7.65E+07	5.25E+04	3.67E+02	2.50E+06	1.61E+04	2.20E+03
2.80E+07	1.92E+04	1.34E+02	9.15E+05	5.90E+03	8.05E+02
3.33E+07	2.28E+04	1.59E+02	1.09E+06	7.02E+03	9.57E+02
1.30E+08	8.89E+04	6.21E+02	4.23E+06	2.73E+04	3.73E+03
7.02E+07	4.82E+04	3.37E+02	2.30E+06	1.48E+04	2.02E+03
9.13E+07	6.26E+04	4.38E+02	2.98E+06	1.93E+04	2.63E+03
1.07E+08	7.36E+04	5.14E+02	3.50E+06	2.26E+04	3.08E+03
1.25E+08	8.59E+04	6.00E+02	4.09E+06	2.64E+04	3.60E+03
1.60E+08	1.10E+05	7.66E+02	5.22E+06	3.37E+04	4.60E+03
2.54E+08	1.74E+05	1.22E+03	8.29E+06	5.35E+04	7.29E+03
9.67E+07	6.64E+04	4.64E+02	3.16E+06	2.04E+04	2.78E+03
1.06E+08	7.25E+04	5.06E+02	3.45E+06	2.23E+04	3.04E+03
1.38E+08	9.47E+04	6.62E+02	4.51E+06	2.91E+04	3.97E+03
1.84E+08	1.26E+05	8.83E+02	6.02E+06	3.89E+04	5.30E+03
1.61E+08	1.10E+05	7.70E+02	5.25E+06	3.39E+04	4.62E+03
4.75E+08	3.26E+05	2.28E+03	1.55E+07	1.00E+05	1.37E+04
7.95E+08	5.45E+05	3.81E+03	2.60E+07	1.68E+05	2.29E+04
5.84E+07	4.00E+04	2.80E+02	1.91E+06	1.23E+04	1.68E+03
1.00E+08	6.89E+04	4.81E+02	3.28E+06	2.12E+04	2.89E+03
3.06E+07	2.10E+04	1.47E+02	1.00E+06	6.46E+03	8.81E+02
1.89E+06	1.30E+03	9.08E+00	6.19E+04	4.00E+02	5.45E+01
4.85E+06	3.33E+03	2.33E+01	1.59E+05	1.02E+03	1.40E+02
2.28E+06	1.57E+03	1.09E+01	7.46E+04	4.82E+02	6.57E+01
2.04E+06	1.40E+03	9.77E+00	6.66E+04	4.30E+02	5.86E+01
2.21E+06	1.52E+03	1.06E+01	7.23E+04	4.67E+02	6.36E+01
1.63E+08	1.12E+05	7.80E+02	5.31E+06	3.43E+04	4.68E+03
6.60E+07	4.53E+04	3.16E+02	2.16E+06	1.39E+04	1.90E+03

4.49E+07	3.08E+04	2.15E+02	1.47E+06	9.46E+03	1.29E+03
3.81E+07	2.62E+04	1.83E+02	1.25E+06	8.04E+03	1.10E+03
4.42E+07	3.03E+04	2.12E+02	1.44E+06	9.32E+03	1.27E+03
2.04E+08	1.40E+05	9.76E+02	6.65E+06	4.29E+04	5.86E+03
5.00E+07	3.43E+04	2.40E+02	1.63E+06	1.06E+04	1.44E+03
3.03E+07	2.08E+04	1.45E+02	9.89E+05	6.39E+03	8.71E+02
2.47E+07	1.69E+04	1.18E+02	8.06E+05	5.20E+03	7.09E+02
2.44E+07	1.67E+04	1.17E+02	7.98E+05	5.15E+03	7.02E+02
3.64E+06	2.50E+03	1.75E+01	1.19E+05	7.68E+02	1.05E+02
1.42E+06	9.73E+02	6.80E+00	4.64E+04	2.99E+02	4.08E+01
1.52E+06	1.04E+03	7.29E+00	4.97E+04	3.21E+02	4.37E+01
1.52E+06	1.04E+03	7.29E+00	4.97E+04	3.21E+02	4.37E+01
1.57E+06	1.08E+03	7.51E+00	5.12E+04	3.31E+02	4.51E+01
1.39E+06	9.52E+02	6.65E+00	4.53E+04	2.93E+02	3.99E+01
6.40E+05	4.39E+02	3.07E+00	2.09E+04	1.35E+02	1.84E+01
1.05E+06	7.24E+02	5.06E+00	3.45E+04	2.23E+02	3.03E+01
7.12E+05	4.88E+02	3.41E+00	2.33E+04	1.50E+02	2.05E+01
1.04E+06	7.17E+02	5.01E+00	3.41E+04	2.20E+02	3.00E+01
1.27E+06	8.72E+02	6.09E+00	4.15E+04	2.68E+02	3.65E+01
3.64E+06	2.50E+03	1.75E+01	1.19E+05	7.68E+02	1.05E+02
2.07E+06	1.42E+03	9.92E+00	6.76E+04	4.36E+02	5.95E+01
1.22E+06	8.40E+02	5.87E+00	4.00E+04	2.58E+02	3.52E+01
8.76E+05	6.01E+02	4.20E+00	2.86E+04	1.85E+02	2.52E+01
2.15E+06	1.48E+03	1.03E+01	7.03E+04	4.54E+02	6.19E+01
2.96E+06	2.03E+03	1.42E+01	9.67E+04	6.24E+02	8.51E+01
2.03E+06	1.39E+03	9.72E+00	6.63E+04	4.28E+02	5.83E+01
1.21E+06	8.33E+02	5.82E+00	3.97E+04	2.56E+02	3.49E+01

1.83E+06	1.25E+03	8.76E+00	5.97E+04	3.86E+02	5.26E+01
1.06E+06	7.27E+02	5.08E+00	3.46E+04	2.24E+02	3.05E+01
1.88E+06	1.29E+03	9.01E+00	6.14E+04	3.96E+02	5.41E+01
1.05E+06	7.24E+02	5.06E+00	3.45E+04	2.23E+02	3.03E+01
1.28E+06	8.79E+02	6.14E+00	4.18E+04	2.70E+02	3.68E+01
1.10E+06	7.56E+02	5.28E+00	3.60E+04	2.32E+02	3.17E+01
1.11E+06	7.63E+02	5.33E+00	3.63E+04	2.34E+02	3.20E+01

MEAN OpSOF

MAX OpSOF

Ni-63 (pCi/m2)	Sr-90 (pCi/m2)	Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)
3.04E+08	2.08E+05	1.46E+03	9.92E+06	6.40E+04	8.73E+03
Ni-63 (BcSOF)	Sr-90 (BcSOF)	Cs-134 (BcSOF)	Cs-137 (BcSOF)	Eu-152 (BcSOF)	Eu-154 (BcSOF)
0.005	0.010	0.000	0.018	0.000	0.000
0.006	0.011	0.000	0.019	0.000	0.000

# MEASUREMENTS

e 6-50, Release Record Table 1)  
 or in Pipe at 1 ft increments)

Ni-63 (pCi/m2)	Sr-90 (pCi/m2)	Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)
3.70E+09	2.54E+06	1.77E+04	1.21E+08	7.80E+05	1.06E+05
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000

4.21E+09	2.89E+06	2.02E+04	1.38E+08	8.89E+05	1.21E+05
0.000	0.000	0.000	0.001	0.000	0.000
0.000	0.000	0.000	0.001	0.000	0.000
4.63E+09	3.18E+06	2.22E+04	1.51E+08	9.77E+05	1.33E+05
0.000	0.000	0.000	0.001	0.000	0.000
0.000	0.000	0.000	0.001	0.000	0.000
4.48E+09	3.07E+06	2.15E+04	1.46E+08	9.44E+05	1.29E+05
0.000	0.000	0.000	0.001	0.000	0.000
0.000	0.000	0.000	0.001	0.000	0.000
4.11E+09	2.82E+06	1.97E+04	1.34E+08	8.68E+05	1.18E+05
0.000	0.000	0.000	0.001	0.000	0.000
0.000	0.000	0.000	0.001	0.000	0.000
3.65E+09	2.50E+06	1.75E+04	1.19E+08	7.69E+05	1.05E+05
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.41E+09	2.34E+06	1.63E+04	1.11E+08	7.18E+05	9.80E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.19E+09	2.19E+06	1.53E+04	1.04E+08	6.72E+05	9.17E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.01E+09	2.06E+06	1.44E+04	9.83E+07	6.34E+05	8.65E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.21E+09	2.20E+06	1.54E+04	1.05E+08	6.76E+05	9.22E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000

3.36E+09	2.31E+06	1.61E+04	1.10E+08	7.10E+05	9.68E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.36E+09	2.30E+06	1.61E+04	1.10E+08	7.08E+05	9.66E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.53E+09	2.42E+06	1.69E+04	1.15E+08	7.45E+05	1.02E+05
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
3.15E+09	2.16E+06	1.51E+04	1.03E+08	6.64E+05	9.06E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
2.45E+09	1.68E+06	1.17E+04	8.00E+07	5.16E+05	7.04E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
2.07E+09	1.42E+06	9.92E+03	6.76E+07	4.37E+05	5.95E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.93E+09	1.32E+06	9.25E+03	6.31E+07	4.07E+05	5.55E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.86E+09	1.28E+06	8.93E+03	6.09E+07	3.93E+05	5.36E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.92E+09	1.32E+06	9.22E+03	6.29E+07	4.06E+05	5.53E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000

1.56E+09	1.07E+06	7.48E+03	5.10E+07	3.29E+05	4.49E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.15E+09	7.90E+05	5.52E+03	3.76E+07	2.43E+05	3.31E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.01E+09	6.92E+05	4.83E+03	3.29E+07	2.13E+05	2.90E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
7.34E+08	5.04E+05	3.52E+03	2.40E+07	1.55E+05	2.11E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.43E+09	9.79E+05	6.84E+03	4.66E+07	3.01E+05	4.10E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.18E+09	8.11E+05	5.67E+03	3.86E+07	2.49E+05	3.40E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.24E+09	8.48E+05	5.92E+03	4.04E+07	2.61E+05	3.55E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.25E+09	8.57E+05	5.99E+03	4.08E+07	2.63E+05	3.59E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.23E+09	8.45E+05	5.90E+03	4.02E+07	2.60E+05	3.54E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000

1.17E+09	8.02E+05	5.60E+03	3.82E+07	2.46E+05	3.36E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.04E+09	7.12E+05	4.97E+03	3.39E+07	2.19E+05	2.98E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.00E+09	6.87E+05	4.80E+03	3.27E+07	2.11E+05	2.88E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.01E+09	6.91E+05	4.83E+03	3.29E+07	2.12E+05	2.90E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.03E+09	7.04E+05	4.92E+03	3.35E+07	2.16E+05	2.95E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.06E+09	7.29E+05	5.09E+03	3.47E+07	2.24E+05	3.05E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.08E+09	7.42E+05	5.18E+03	3.53E+07	2.28E+05	3.11E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.09E+09	7.51E+05	5.25E+03	3.58E+07	2.31E+05	3.15E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
1.14E+09	7.82E+05	5.47E+03	3.73E+07	2.40E+05	3.28E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000



1.10E+09	7.52E+05	5.25E+03	3.58E+07	2.31E+05	3.15E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
8.76E+08	6.01E+05	4.20E+03	2.86E+07	1.85E+05	2.52E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
7.69E+08	5.28E+05	3.69E+03	2.51E+07	1.62E+05	2.21E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
7.13E+08	4.89E+05	3.42E+03	2.33E+07	1.50E+05	2.05E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
6.17E+08	4.24E+05	2.96E+03	2.02E+07	1.30E+05	1.78E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000
7.95E+08	5.45E+05	3.81E+03	2.60E+07	1.68E+05	2.29E+04
0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000

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**DOSE FROM  
PENETRATIONS  
CURRENTLY  
ASSIGNED TO EACH  
BASEMENT IN  
RELEASE RECORDS**

BcSOF	BcSOF <sub>ELEV</sub>	TOTAL BcSOF	DOSE
0.048	0.027	0.076	1.888
0.010	0.000	0.010	0.260
0.030	0.007	0.037	0.927
0.002	0.000	0.002	0.038

1.468
0.206
1.730
1.727

OpSOF <sub>PN</sub>	OpSOF <sub>PN</sub>	OpSOF <sub>B</sub>	OpSOF <sub>B</sub>
CTMT <sub>PN</sub>	Limiting DCGL	CTMT DCGL	Limiting DCGL
0.343	0.402	2.451	7.339
0.095	0.112	0.682	2.042
0.057	0.067	0.409	1.225
0.052	0.061	0.374	1.119
0.099	0.116	0.709	2.124
0.080	0.094	0.573	1.715
0.254	0.298	1.816	5.437
0.067	0.078	0.475	1.424
0.049	0.057	0.348	1.041
0.052	0.061	0.374	1.120
0.226	0.265	1.613	4.831

MEASUREMENT ID	
P201	Position #1
P201	Position #2
P201	Position #3
P201	Position #4
P250	Position #1
P250	Position #2
P250	Position #3
P250	Position #4
P250	Position #5
P287	Position #1
P287	Position #2



0.069	0.081	0.492	1.473
0.048	0.056	0.342	1.023
0.044	0.052	0.317	0.951
0.049	0.058	0.353	1.058
0.321	0.376	2.291	6.862
0.077	0.090	0.551	1.651
0.051	0.059	0.362	1.084
0.049	0.057	0.348	1.043
0.063	0.073	0.447	1.339
0.199	0.233	1.419	4.251
0.065	0.076	0.466	1.395
0.051	0.060	0.364	1.090
0.047	0.055	0.338	1.013
0.056	0.066	0.402	1.205
0.261	0.306	1.867	5.590
0.091	0.107	0.652	1.953
0.060	0.071	0.432	1.294
0.052	0.061	0.373	1.116
0.070	0.082	0.499	1.495
0.277	0.325	1.981	5.931
0.056	0.066	0.404	1.209
0.050	0.058	0.355	1.064
0.052	0.060	0.369	1.104
0.058	0.068	0.413	1.237
0.258	0.302	1.844	5.522
0.095	0.112	0.681	2.041
0.087	0.102	0.620	1.858

P287	Position #3
P287	Position #4
P287	Position #5
P203	Position #1
P203	Position #2
P203	Position #3
P203	Position #4
P203	Position #5
P264	Position #1
P264	Position #2
P264	Position #3
P264	Position #4
P264	Position #5
P267	By Direct Scan
P273	By Direct Scan
P218	By Direct Scan
P254	Position #1
P254	Position #2
P254	Position #3
P254	Position #4
P217	By Direct Scan
P221	By Direct Scan
P290	By Direct Scan
P305	By Direct Scan
P286	Position #1
P286	Position #2
P286	Position #3

0.050	0.059	0.357	1.068
0.102	0.120	0.733	2.194
0.261	0.306	1.867	5.591
0.063	0.074	0.451	1.351
0.066	0.077	0.471	1.410
0.074	0.087	0.528	1.581
0.124	0.145	0.884	2.648
0.236	0.276	1.684	5.042
0.054	0.063	0.384	1.149
0.056	0.066	0.400	1.197
0.066	0.078	0.474	1.419
0.071	0.083	0.504	1.509
0.200	0.235	1.431	4.285
0.060	0.071	0.431	1.291
0.058	0.068	0.412	1.234
0.060	0.070	0.425	1.274
0.085	0.099	0.605	1.811
0.003	0.004	0.025	0.075
0.033	0.039	0.238	0.714
0.003	0.004	0.022	0.065
6.864	8.048	49.060	146.918
7.819	9.166	55.878	167.337
8.600	10.082	61.460	184.052
8.310	9.743	59.392	177.860
7.635	8.951	54.568	163.414
6.764	7.930	48.342	144.768
6.321	7.411	45.178	135.294

P286	Position #4
P289	Position #1
P289	Position #2
P289	Position #3
P289	Position #4
P288	Position #1
P288	Position #2
P288	Position #3
P288	Position #4
P219	Position #1
P219	Position #2
P219	Position #3
P219	Position #4
P223	Position #1
P223	Position #2
P223	Position #3
P223	Position #4
P281	Position #1
P281	Position #2
P281	Position #3
P281	Position #4
P281	Position #5
P243	Position #1
P243	Position #2
P243	Position #3
P243	Position #4
P243	Position #5

5.915	6.935	42.274	126.597
5.581	6.543	39.886	119.446
5.951	6.977	42.533	127.374
6.243	7.319	44.617	133.613
6.231	7.305	44.532	133.359
6.555	7.685	46.850	140.300
5.845	6.853	41.776	125.105
4.544	5.327	32.475	97.251
3.841	4.503	27.452	82.211
3.582	4.200	25.603	76.673
3.456	4.052	24.700	73.968
3.570	4.185	25.512	76.399
2.897	3.396	20.701	61.994
2.137	2.505	15.271	45.733
1.870	2.193	13.366	40.028
1.362	1.597	9.734	29.150
0.749	0.879	5.356	16.041
0.586	0.687	4.186	12.536
0.487	0.571	3.478	10.417
0.483	0.567	3.455	10.346
0.377	0.442	2.694	8.068
0.286	0.336	2.046	6.128
0.248	0.291	1.776	5.317
0.234	0.274	1.670	5.002
0.225	0.264	1.610	4.823
0.237	0.277	1.691	5.065
0.258	0.303	1.846	5.529

P303	Position #1
P303	Position #2
P303	Position #3
P303	Position #4
P303	Position #5
P303	Position #6
P256	Position #1
P256	Position #2
P256	Position #3
P256	Position #4
P256	Position #5
P204	Position #1
P204	Position #2
P204	Position #3
P204	Position #4
P204	Position #5
P242	Position #1
P242	Position #2
P242	Position #3
P242	Position #4
P242	Position #5
P266	By Direct Scan
P269	By Direct Scan
P274	By Direct Scan
P270	By Direct Scan
P268	By Direct Scan
P222	By Direct Scan

0.322	0.378	2.302	6.894
0.261	0.305	1.862	5.576
0.255	0.299	1.825	5.465
0.213	0.249	1.519	4.550
0.197	0.230	1.404	4.206
0.197	0.231	1.406	4.211
0.203	0.238	1.453	4.352
0.223	0.262	1.595	4.777
0.220	0.258	1.574	4.714
0.306	0.359	2.188	6.551
0.215	0.252	1.538	4.607
0.191	0.224	1.368	4.098
0.198	0.233	1.418	4.246
0.234	0.274	1.673	5.011
0.220	0.258	1.576	4.719
0.211	0.247	1.509	4.517
2.647	3.103	18.915	56.645
2.194	2.573	15.683	46.966
2.293	2.688	16.385	49.067
2.318	2.717	16.564	49.603
2.286	2.680	16.335	48.917
2.169	2.543	15.500	46.417
1.924	2.256	13.752	41.184
1.859	2.180	13.287	39.789
1.868	2.190	13.351	39.981
1.904	2.232	13.606	40.744
1.971	2.311	14.086	42.182

P304 By Direct Scan

P237 Position #1  
P237 Position #2  
P237 Position #3  
P237 Position #4  
P237 Position #5  
P237 Position #6  
P237 Position #7  
P237 Position #8  
P237 Position #9  
P237 Position #10  
P237 Position #11  
P237 Position #12  
P237 Position #13  
P237 Position #14  
P237 Position #15  
P237 Position #16  
P237 Position #17  
P237 Position #18  
P237 Position #19  
P237 Position #20  
P237 Position #21  
P237 Position #22  
P237 Position #23  
P237 Position #24  
P237 Position #25  
P237 Position #26

2.007	2.352	14.340	42.945
2.031	2.381	14.517	43.474
2.116	2.480	15.121	45.282
2.034	2.384	14.535	43.528
1.626	1.907	11.624	34.811
1.427	1.673	10.200	30.546
1.323	1.551	9.454	28.312
1.146	1.343	8.189	24.523
0.947	1.111	6.771	20.276
0.792	0.928	5.658	16.945
0.637	0.747	4.555	13.639
0.454	0.532	3.243	9.712
0.333	0.390	2.380	7.128
0.262	0.307	1.871	5.604
0.256	0.300	1.830	5.480
0.220	0.258	1.571	4.705
0.205	0.240	1.465	4.387
0.189	0.221	1.347	4.034
0.181	0.212	1.291	3.866
0.181	0.212	1.295	3.879
0.172	0.201	1.227	3.674
0.170	0.200	1.217	3.644
0.170	0.199	1.214	3.637
0.189	0.222	1.352	4.047
0.170	0.200	1.218	3.647
0.160	0.188	1.146	3.432
0.156	0.183	1.113	3.334

P237	Position #27
P237	Position #28
P237	Position #29
P237	Position #30
P237	Position #31
P237	Position #32
P237	Position #33
P237	Position #34
P237	Position #35
P237	Position #36
P237	Position #37
P237	Position #38
P237	Position #39
P237	Position #40
P237	Position #41
P237	Position #42
P237	Position #43
P237	Position #44
P237	Position #45
P237	Position #46
P237	Position #47
P237	Position #48
P237	Position #49
P237	Position #50
P236	Position #1
P236	Position #2
P236	Position #3

0.156	0.183	1.118	3.347
0.160	0.188	1.145	3.429
0.154	0.180	1.099	3.290
0.155	0.182	1.107	3.314
0.163	0.191	1.167	3.494
0.164	0.192	1.173	3.514
0.155	0.182	1.107	3.316
0.154	0.180	1.099	3.291
0.148	0.174	1.059	3.171
0.144	0.169	1.028	3.077
0.148	0.174	1.058	3.169
0.146	0.171	1.041	3.118
0.504	0.591	3.604	10.793
0.233	0.274	1.668	4.995
0.248	0.291	1.773	5.309
0.145	0.170	1.037	3.105
0.134	0.158	0.961	2.878
0.139	0.162	0.990	2.965
0.131	0.153	0.934	2.798
0.130	0.153	0.932	2.791
0.126	0.148	0.900	2.696
0.128	0.150	0.913	2.735
0.127	0.149	0.910	2.724
0.128	0.150	0.912	2.731
0.130	0.153	0.931	2.787
0.128	0.150	0.913	2.735
0.123	0.145	0.882	2.641

P236	Position #4
P236	Position #5
P236	Position #6
P236	Position #7
P236	Position #8
P236	Position #9
P236	Position #10
P236	Position #11
P236	Position #12
P236	Position #13
P236	Position #14
P236	Position #15
P236	Position #16
P236	Position #17
P236	Position #18
P236	Position #19
P236	Position #20
P236	Position #21
P236	Position #22
P236	Position #23
P236	Position #24
P236	Position #25
P236	Position #26
P236	Position #27
P236	Position #28
P236	Position #29
P236	Position #30

0.125	0.147	0.893	2.675
0.125	0.146	0.891	2.668
0.120	0.141	0.857	2.567
0.126	0.148	0.899	2.693
0.125	0.147	0.895	2.679
0.122	0.143	0.874	2.616
0.122	0.143	0.874	2.616
0.119	0.139	0.850	2.546
0.113	0.132	0.805	2.410
0.110	0.129	0.784	2.347
0.113	0.132	0.806	2.413
0.110	0.129	0.784	2.347
0.112	0.131	0.799	2.393
0.112	0.132	0.802	2.403
0.112	0.131	0.799	2.393
0.112	0.131	0.799	2.393
0.116	0.136	0.832	2.490
0.116	0.135	0.826	2.473
0.115	0.135	0.822	2.462
0.113	0.133	0.811	2.427
0.115	0.135	0.825	2.469
0.117	0.137	0.836	2.504
0.113	0.133	0.808	2.420
0.113	0.133	0.809	2.424
0.114	0.133	0.812	2.431
0.116	0.136	0.827	2.476
0.118	0.138	0.843	2.525

P236	Position #31
P236	Position #32
P236	Position #33
P236	Position #34
P236	Position #35
P236	Position #36
P236	Position #37
P236	Position #38
P236	Position #39
P236	Position #40
P236	Position #41
P236	Position #42
P236	Position #43
P236	Position #44
P236	Position #45
P236	Position #46
P236	Position #47
P236	Position #48
P236	Position #49
P236	Position #50
P235	Position #1
P235	Position #2
P235	Position #3
P235	Position #4
P235	Position #5
P235	Position #6
P235	Position #7

0.119	0.139	0.850	2.546
0.121	0.142	0.865	2.592
0.120	0.141	0.861	2.578
0.124	0.145	0.886	2.654
0.123	0.145	0.882	2.641
0.128	0.150	0.914	2.738
0.130	0.153	0.932	2.791
0.131	0.154	0.939	2.812
0.765	0.897	5.470	16.381
0.261	0.306	1.866	5.588
0.153	0.179	1.094	3.276
0.141	0.165	1.005	3.011
0.139	0.163	0.993	2.972
0.135	0.158	0.962	2.881
0.127	0.149	0.906	2.714
0.127	0.149	0.910	2.724
0.124	0.145	0.884	2.647
0.125	0.146	0.891	2.668
0.124	0.145	0.886	2.654
0.122	0.143	0.875	2.620
0.120	0.141	0.857	2.567
0.121	0.142	0.863	2.585
0.123	0.145	0.882	2.641
0.119	0.140	0.853	2.553
0.122	0.143	0.869	2.602
0.120	0.140	0.856	2.564
0.118	0.139	0.844	2.529

P235	Position #8
P235	Position #9
P235	Position #10
P235	Position #11
P235	Position #12
P235	Position #13
P235	Position #14
P235	Position #15
P235	Position #16
P235	Position #17
P235	Position #18
P235	Position #19
P235	Position #20
P235	Position #21
P235	Position #22
P235	Position #23
P235	Position #24
P235	Position #25
P235	Position #26
P235	Position #27
P235	Position #28
P235	Position #29
P235	Position #30
P235	Position #31
P235	Position #32
P235	Position #33
P235	Position #34



0.116	0.136	0.832	2.490
0.108	0.127	0.773	2.316
0.109	0.128	0.779	2.333
0.108	0.127	0.773	2.316
0.103	0.121	0.736	2.204
0.105	0.123	0.751	2.249
0.104	0.122	0.746	2.235
0.108	0.126	0.769	2.302
0.110	0.129	0.785	2.351
0.108	0.126	0.770	2.305
0.110	0.129	0.785	2.351
0.109	0.128	0.780	2.337
0.112	0.131	0.799	2.393
0.112	0.132	0.804	2.406
0.111	0.130	0.793	2.375
0.113	0.132	0.806	2.413
0.113	0.133	0.809	2.424
0.112	0.131	0.801	2.400
0.111	0.131	0.797	2.386
0.110	0.128	0.783	2.344
0.111	0.130	0.795	2.382
0.115	0.135	0.825	2.469
0.113	0.133	0.808	2.420
0.114	0.133	0.812	2.431
0.119	0.139	0.849	2.543
0.118	0.138	0.842	2.522
0.126	0.148	0.904	2.707

P235	Position #35
P235	Position #36
P235	Position #37
P235	Position #38
P235	Position #39
P235	Position #40
P235	Position #41
P235	Position #42
P235	Position #43
P235	Position #44
P235	Position #45
P235	Position #46
P235	Position #47
P235	Position #48
P235	Position #49
P235	Position #50
P323	Position #1
P323	Position #2
P323	Position #3
P323	Position #4
P323	Position #5
P323	Position #6
P323	Position #7
P323	Position #8
P323	Position #9
P323	Position #10
P323	Position #11

0.134	0.158	0.961	2.878
0.152	0.178	1.084	3.245
0.136	0.159	0.969	2.902
0.121	0.142	0.868	2.599
0.578	0.677	4.129	12.364
0.209	0.245	1.493	4.471
0.152	0.179	1.089	3.262
0.142	0.166	1.014	3.035
0.138	0.162	0.986	2.951
0.133	0.156	0.952	2.850
0.129	0.152	0.924	2.766
0.133	0.157	0.954	2.857
0.132	0.154	0.940	2.815
0.126	0.148	0.899	2.693
0.127	0.149	0.907	2.717
0.130	0.153	0.931	2.787
0.128	0.150	0.917	2.745
0.130	0.152	0.926	2.773
0.131	0.154	0.939	2.812
0.129	0.151	0.920	2.756
0.127	0.149	0.907	2.717
0.125	0.147	0.895	2.679
0.123	0.144	0.881	2.637
0.118	0.138	0.842	2.522
0.114	0.134	0.816	2.445
0.115	0.135	0.823	2.466
0.114	0.133	0.813	2.434

P323	Position #12
P323	Position #13
P323	Position #14
P323	Position #15
P323	Position #16
P323	Position #17
P323	Position #18
P323	Position #19
P323	Position #20
P323	Position #21
P323	Position #22
P323	Position #23
P323	Position #24
P323	Position #25
P323	Position #26
P323	Position #27
P323	Position #28
P323	Position #29
P323	Position #30
P323	Position #31
P323	Position #32
P323	Position #33
P323	Position #34
P323	Position #35
P323	Position #36
P323	Position #37
P323	Position #38

0.107	0.126	0.766	2.295
0.111	0.130	0.795	2.382
0.110	0.129	0.788	2.361
0.108	0.126	0.769	2.302
0.111	0.131	0.797	2.386
0.111	0.130	0.793	2.375
0.111	0.130	0.792	2.372
0.114	0.133	0.812	2.431
0.115	0.135	0.820	2.455
0.115	0.135	0.820	2.455
0.120	0.141	0.861	2.578
0.121	0.142	0.863	2.585
0.125	0.147	0.893	2.675
0.124	0.145	0.885	2.651
0.125	0.146	0.892	2.672
0.123	0.144	0.879	2.634
0.122	0.143	0.874	2.616
0.125	0.146	0.890	2.665
0.129	0.151	0.919	2.752
0.126	0.148	0.900	2.696
0.132	0.154	0.940	2.815
0.136	0.160	0.974	2.916
0.136	0.160	0.975	2.920
0.140	0.164	0.997	2.986
0.142	0.166	1.015	3.039
0.147	0.172	1.049	3.140
0.158	0.186	1.132	3.391

P323	Position #39
P323	Position #40
P323	Position #41
P323	Position #42
P323	Position #43
P323	Position #44
P323	Position #45
P323	Position #46
P323	Position #47
P323	Position #48
P323	Position #49
P323	Position #50
P323	Position #1
P324	Position #1
P324	Position #2
P324	Position #3
P324	Position #4
P324	Position #5
P324	Position #6
P324	Position #7
P324	Position #8
P324	Position #9
P324	Position #10
P324	Position #11
P324	Position #12
P324	Position #13
P324	Position #14

0.142	0.166	1.015	3.039
0.052	0.061	0.371	1.112
0.062	0.072	0.441	1.321
0.240	0.282	1.718	5.146
0.130	0.153	0.931	2.789
0.169	0.199	1.211	3.626
0.199	0.233	1.422	4.259
0.232	0.272	1.660	4.970
0.297	0.348	2.120	6.350
0.471	0.552	3.363	10.071
0.180	0.210	1.283	3.842
0.196	0.230	1.401	4.194
0.256	0.300	1.830	5.481
0.342	0.401	2.444	7.319
0.298	0.349	2.129	6.376
0.882	1.034	6.301	18.870
1.475	1.729	10.541	31.568
0.108	0.127	0.774	2.317
0.186	0.218	1.332	3.989
0.057	0.067	0.406	1.217
0.004	0.004	0.025	0.075
0.009	0.011	0.064	0.193
0.004	0.005	0.030	0.091
0.004	0.004	0.027	0.081
0.004	0.005	0.029	0.088
0.302	0.354	2.157	6.459
0.123	0.144	0.876	2.622

P324	Position #15
P324	Position #16
P324	Position #17
P324	Position #18
P324	Position #19
P324	Position #20
P324	Position #21
P324	Position #22
P324	Position #23
P324	Position #24
P324	Position #25
P324	Position #26
P324	Position #27
P324	Position #28
P324	Position #29
P324	Position #30
P324	Position #31
P324	Position #32
P324	Position #33
P324	Position #34
P324	Position #35
P324	Position #36
P324	Position #37
P324	Position #38
P324	Position #39
P324	Position #40
P324	Position #41

0.083	0.098	0.595	1.782
0.071	0.083	0.506	1.514
0.082	0.096	0.586	1.755
0.378	0.443	2.701	8.088
0.093	0.109	0.663	1.987
0.056	0.066	0.402	1.202
0.046	0.054	0.327	0.979
0.045	0.053	0.324	0.969
0.007	0.008	0.048	0.145
0.003	0.003	0.019	0.056
0.003	0.003	0.020	0.060
0.003	0.003	0.020	0.060
0.003	0.003	0.021	0.062
0.003	0.003	0.018	0.055
0.001	0.001	0.008	0.025
0.002	0.002	0.014	0.042
0.001	0.002	0.009	0.028
0.002	0.002	0.014	0.041
0.002	0.003	0.017	0.050
0.007	0.008	0.048	0.145
0.004	0.005	0.027	0.082
0.002	0.003	0.016	0.049
0.002	0.002	0.012	0.035
0.004	0.005	0.029	0.085
0.005	0.006	0.039	0.118
0.004	0.004	0.027	0.081
0.002	0.003	0.016	0.048

P324	Position #42
P324	Position #43
P324	Position #44
P324	Position #45
P324	Position #46
P324	Position #47
P324	Position #48
P324	Position #49
P324	Position #50
P220	By Direct Scan
P292	By Direct Scan
P209	By Direct Scan
P205	By Direct Scan
P205	By Direct Scan
P327	By Direct Scan
P211	By Direct Scan
P315	By Direct Scan
P207	By Direct Scan
P296	By Direct Scan
P208	By Direct Scan
P318	By Direct Scan
P317	By Direct Scan
P212	By Direct Scan
P298	By Direct Scan
P313	By Direct Scan
P297	By Direct Scan
P328	By Direct Scan

0.003	0.004	0.024	0.073
0.002	0.002	0.014	0.042
0.003	0.004	0.025	0.075
0.002	0.002	0.014	0.042
0.002	0.003	0.017	0.051
0.002	0.002	0.015	0.044
0.002	0.002	0.015	0.044

P316

By Direct Scan

P294

By Direct Scan

P293

By Direct Scan

P210

By Direct Scan

P312

By Direct Scan

P295

By Direct Scan

P291

By Direct Scan

0.564

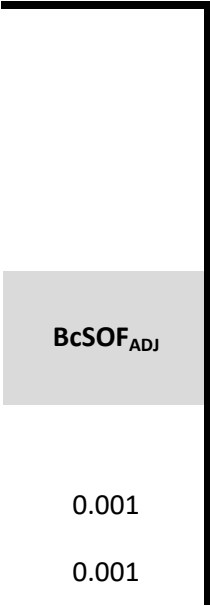
0.708

8.600

10.082

MEAN BcSOF	BcSOF ADJ	BcSOF ADJ	DOSE (mrem/yr)
	CTMT <sub>PN</sub> DCGLs	Limiting DCGLs	
0.038	0.021	0.060	1.493
0.048	0.027	0.076	1.888

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Yellow shading indicates exceeding grouting threshold

- (1) Concentrations inferred using maximum ratios from LTP Chapter 5, Table 5-15
- (2) Concentrations inferred from gross gamma measurement using radionuclide mixture
- (3) Concentrations inferred from gross gamma measurement using radionuclide mixture

## UNIT 2 CONTAINMENT

BETWEEN			END STATE	H-3 <sup>(1)</sup> (pCi/m2)	Co-60 <sup>(2)</sup> (pCi/m2)	Ni-63 <sup>(1)</sup> (pCi/m2)	Sr-90 <sup>(1)</sup> (pCi/m2)
CTMT	AUX	Removed		2.12E+07	8.35E+05	3.69E+08	2.53E+05
CTMT	AUX	Removed		2.93E+06	1.15E+05	5.10E+07	3.50E+04
CTMT	AUX	Removed		1.87E+06	7.36E+04	3.25E+07	2.23E+04
CTMT	AUX	Removed		1.87E+06	7.34E+04	3.24E+07	2.23E+04
CTMT	AUX	Removed		1.64E+06	6.45E+04	2.85E+07	1.96E+04
CTMT	AUX	Removed		1.72E+06	6.79E+04	3.00E+07	2.06E+04
CTMT	AUX	Removed		1.85E+06	7.28E+04	3.22E+07	2.21E+04
CTMT	AUX	Removed		2.13E+06	8.36E+04	3.70E+07	2.54E+04
CTMT	AUX	Removed		4.06E+06	1.60E+05	7.06E+07	4.84E+04
CTMT	AUX	Removed		1.24E+06	4.89E+04	2.16E+07	1.48E+04
CTMT	AUX	Removed		1.55E+06	6.10E+04	2.69E+07	1.85E+04

CTMT	AUX	Removed	1.77E+06	6.96E+04	3.08E+07	2.11E+04
CTMT	AUX	Removed	2.16E+06	8.48E+04	3.75E+07	2.57E+04
CTMT	AUX	Removed	5.72E+06	2.25E+05	9.95E+07	6.83E+04
CTMT	AUX	Removed	2.79E+06	1.10E+05	4.86E+07	3.33E+04
CTMT	AUX	Removed	1.63E+06	6.40E+04	2.83E+07	1.94E+04
CTMT	AUX	Removed	1.45E+06	5.69E+04	2.52E+07	1.73E+04
CTMT	AUX	Removed	1.28E+06	5.03E+04	2.22E+07	1.53E+04
CTMT	AUX	Removed	3.16E+06	1.24E+05	5.50E+07	3.78E+04
CTMT	AUX	Removed	1.82E+06	7.16E+04	3.17E+07	2.17E+04
CTMT	AUX	Removed	1.78E+06	7.02E+04	3.10E+07	2.13E+04
CTMT	AUX	Removed	1.65E+06	6.49E+04	2.87E+07	1.97E+04
CTMT	AUX	Removed	1.70E+06	6.67E+04	2.95E+07	2.02E+04
CTMT	AUX	Removed	5.13E+06	2.02E+05	8.93E+07	6.12E+04
CTMT	AUX	Removed	8.06E+04	3.17E+03	1.40E+06	9.62E+02
CTMT	AUX	Removed	5.02E+05	1.98E+04	8.73E+06	5.99E+03
CTMT	AUX	Removed	3.39E+05	1.34E+04	5.90E+06	4.05E+03
CTMT	AUX	Removed	3.71E+06	1.46E+05	6.45E+07	4.43E+04
CTMT	AUX	Removed	1.40E+06	5.50E+04	2.43E+07	1.67E+04
CTMT	AUX	Removed	1.29E+06	5.08E+04	2.24E+07	1.54E+04
CTMT	AUX	Removed	1.34E+06	5.27E+04	2.33E+07	1.60E+04
CTMT	AUX	Removed	1.11E+05	4.36E+03	1.93E+06	1.32E+03
CTMT	AUX	Removed	8.57E+04	3.37E+03	1.49E+06	1.02E+03
CTMT	AUX	Removed	1.09E+05	4.30E+03	1.90E+06	1.30E+03
CTMT	AUX	Removed	1.17E+05	4.59E+03	2.03E+06	1.39E+03
CTMT	AUX	Removed	1.52E+07	5.97E+05	2.64E+08	1.81E+05
CTMT	AUX	Removed	3.00E+06	1.18E+05	5.22E+07	3.58E+04
CTMT	AUX	Removed	2.26E+06	8.89E+04	3.93E+07	2.69E+04

CTMT	AUX	Removed	2.07E+06	8.14E+04	3.60E+07	2.47E+04
CTMT	AUX	Removed	6.05E+06	2.38E+05	1.05E+08	7.21E+04
CTMT	AUX	Removed	2.06E+06	8.10E+04	3.58E+07	2.46E+04
CTMT	AUX	Removed	1.76E+06	6.93E+04	3.06E+07	2.10E+04
CTMT	AUX	Removed	2.17E+06	8.53E+04	3.77E+07	2.59E+04
CTMT	AUX	Removed	1.01E+07	3.98E+05	1.76E+08	1.21E+05
CTMT	AUX	Removed	2.14E+06	8.43E+04	3.72E+07	2.56E+04
CTMT	AUX	Removed	1.61E+06	6.32E+04	2.79E+07	1.92E+04
CTMT	AUX	Removed	1.86E+06	7.32E+04	3.24E+07	2.22E+04
CTMT	AUX	Removed	7.12E+06	2.80E+05	1.24E+08	8.49E+04
CTMT	AUX	Removed	2.33E+06	9.15E+04	4.04E+07	2.78E+04
CTMT	AUX	Removed	2.21E+06	8.68E+04	3.84E+07	2.63E+04
CTMT	AUX	Removed	2.65E+06	1.04E+05	4.61E+07	3.17E+04
CTMT	AUX	Removed	9.60E+06	3.78E+05	1.67E+08	1.15E+05
CTMT	AUX	Removed	2.28E+06	8.97E+04	3.96E+07	2.72E+04
CTMT	AUX	Removed	1.96E+06	7.70E+04	3.41E+07	2.34E+04
CTMT	AUX	Removed	2.24E+06	8.82E+04	3.90E+07	2.67E+04
CTMT	AUX	Removed	1.34E+07	5.25E+05	2.32E+08	1.59E+05
CTMT	AUX	Removed	1.86E+06	7.31E+04	3.23E+07	2.22E+04
CTMT	AUX	Removed	1.27E+06	5.01E+04	2.22E+07	1.52E+04
CTMT	AUX	Removed	1.30E+06	5.12E+04	2.27E+07	1.55E+04
CTMT	AUX	Removed	1.25E+06	4.93E+04	2.18E+07	1.50E+04
CTMT	AUX	Removed	1.78E+07	6.98E+05	3.09E+08	2.12E+05
CTMT	AUX	Removed	2.07E+06	8.15E+04	3.60E+07	2.47E+04
CTMT	AUX	Removed	1.48E+06	5.80E+04	2.57E+07	1.76E+04
CTMT	AUX	Removed	1.41E+06	5.54E+04	2.45E+07	1.68E+04
CTMT	AUX	Removed	1.40E+06	5.51E+04	2.44E+07	1.67E+04

CTMT	AUX	Removed	2.07E+07	8.15E+05	3.60E+08	2.47E+05
CTMT	AUX	Removed	6.82E+06	2.68E+05	1.19E+08	8.14E+04
CTMT	AUX	Removed	9.00E+06	3.54E+05	1.56E+08	1.07E+05
CTMT	AUX	Removed	8.10E+06	3.18E+05	1.41E+08	9.66E+04
CTMT	AUX	Removed	6.82E+06	2.68E+05	1.19E+08	8.14E+04
CTMT	AUX	Removed	9.37E+06	3.69E+05	1.63E+08	1.12E+05
CTMT	AUX	Removed	1.24E+07	4.88E+05	2.16E+08	1.48E+05
CTMT	AUX	Removed	1.47E+06	5.79E+04	2.56E+07	1.76E+04
CTMT	AUX	Removed	1.18E+06	4.64E+04	2.05E+07	1.41E+04
CTMT	AUX	Removed	1.10E+06	4.33E+04	1.91E+07	1.31E+04
CTMT	AUX	Removed	1.21E+06	4.75E+04	2.10E+07	1.44E+04
CTMT	AUX	Removed	1.22E+07	4.79E+05	2.11E+08	1.45E+05
CTMT	AUX	Removed	1.84E+06	7.23E+04	3.19E+07	2.19E+04
CTMT	AUX	Removed	1.56E+06	6.14E+04	2.72E+07	1.86E+04
CTMT	AUX	Removed	1.68E+06	6.63E+04	2.93E+07	2.01E+04
CTMT	AUX	Removed	1.44E+06	5.67E+04	2.51E+07	1.72E+04
CTMT	AUX	Removed	9.91E+06	3.90E+05	1.72E+08	1.18E+05
CTMT	AUX	Removed	1.81E+06	7.13E+04	3.15E+07	2.16E+04
CTMT	AUX	Removed	1.52E+06	5.98E+04	2.64E+07	1.81E+04
CTMT	AUX	Removed	1.59E+06	6.27E+04	2.77E+07	1.90E+04
CTMT	AUX	Removed	1.55E+06	6.10E+04	2.70E+07	1.85E+04
CTMT	AUX	Removed	3.39E+05	1.33E+04	5.89E+06	4.04E+03
CTMT	AUX	Removed	7.22E+04	2.84E+03	1.25E+06	8.61E+02
CTMT	AUX	Removed	7.22E+04	2.84E+03	1.25E+06	8.61E+02
CTMT	AUX	Removed	2.78E+05	1.09E+04	4.83E+06	3.32E+03
CTMT	AUX	Removed	2.07E+05	8.13E+03	3.59E+06	2.46E+03
CTMT	AUX	Removed	6.41E+04	2.52E+03	1.11E+06	7.64E+02

CTMT	AUX	Removed	2.22E+05	8.72E+03	3.85E+06	2.64E+03
CTMT	AUX	Grouted	1.20E+07	4.73E+05	2.09E+08	1.43E+05
CTMT	AUX	Grouted	5.56E+06	2.19E+05	9.67E+07	6.63E+04
CTMT	AUX	Grouted	4.12E+06	1.62E+05	7.17E+07	4.92E+04
CTMT	AUX	Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04
CTMT	AUX	Grouted	4.03E+06	1.59E+05	7.01E+07	4.81E+04
CTMT	AUX	Grouted	3.90E+06	1.53E+05	6.78E+07	4.65E+04
CTMT	AUX	Grouted	3.81E+06	1.50E+05	6.62E+07	4.54E+04
CTMT	AUX	Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04
CTMT	AUX	Grouted	3.90E+06	1.53E+05	6.78E+07	4.66E+04
CTMT	AUX	Grouted	3.76E+06	1.48E+05	6.54E+07	4.49E+04
CTMT	AUX	Grouted	3.72E+06	1.47E+05	6.48E+07	4.44E+04
CTMT	AUX	Grouted	3.85E+06	1.52E+05	6.70E+07	4.60E+04
CTMT	AUX	Grouted	3.86E+06	1.52E+05	6.71E+07	4.61E+04
CTMT	AUX	Grouted	3.77E+06	1.48E+05	6.56E+07	4.50E+04
CTMT	AUX	Grouted	3.92E+06	1.54E+05	6.81E+07	4.67E+04
CTMT	AUX	Grouted	3.75E+06	1.47E+05	6.52E+07	4.47E+04
CTMT	AUX	Grouted	3.84E+06	1.51E+05	6.68E+07	4.58E+04
CTMT	AUX	Grouted	4.05E+06	1.59E+05	7.04E+07	4.83E+04
CTMT	AUX	Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04
CTMT	AUX	Grouted	3.65E+06	1.43E+05	6.34E+07	4.35E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04
CTMT	AUX	Grouted	3.35E+06	1.32E+05	5.82E+07	4.00E+04
CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04
CTMT	AUX	Grouted	3.19E+06	1.25E+05	5.54E+07	3.80E+04
CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.75E+07	3.94E+04
CTMT	AUX	Grouted	3.21E+06	1.26E+05	5.58E+07	3.83E+04

CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04
CTMT	AUX	Grouted	3.31E+06	1.30E+05	5.75E+07	3.95E+04
CTMT	AUX	Grouted	3.32E+06	1.31E+05	5.78E+07	3.97E+04
CTMT	AUX	Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04
CTMT	AUX	Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.23E+06	1.27E+05	5.61E+07	3.85E+04
CTMT	AUX	Grouted	3.22E+06	1.27E+05	5.60E+07	3.84E+04
CTMT	AUX	Grouted	3.24E+06	1.27E+05	5.63E+07	3.86E+04
CTMT	AUX	Grouted	3.27E+06	1.29E+05	5.69E+07	3.91E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.24E+06	1.27E+05	5.63E+07	3.86E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04
CTMT	AUX	Grouted	3.22E+06	1.27E+05	5.60E+07	3.84E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04
CTMT	AUX	Grouted	3.25E+06	1.28E+05	5.64E+07	3.87E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04
CTMT	AUX	Grouted	3.34E+06	1.31E+05	5.81E+07	3.99E+04
CTMT	AUX	Grouted	3.23E+06	1.27E+05	5.62E+07	3.85E+04
CTMT	AUX	Grouted	3.27E+06	1.29E+05	5.69E+07	3.90E+04
CTMT	AUX	Grouted	1.04E+07	4.10E+05	1.81E+08	1.24E+05
CTMT	AUX	Grouted	5.58E+06	2.20E+05	9.71E+07	6.66E+04
CTMT	AUX	Grouted	4.00E+06	1.57E+05	6.96E+07	4.78E+04

CTMT	AUX	Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04
CTMT	AUX	Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04
CTMT	AUX	Grouted	3.82E+06	1.50E+05	6.65E+07	4.56E+04
CTMT	AUX	Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04
CTMT	AUX	Grouted	3.63E+06	1.43E+05	6.32E+07	4.34E+04
CTMT	AUX	Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04
CTMT	AUX	Grouted	3.62E+06	1.43E+05	6.30E+07	4.32E+04
CTMT	AUX	Grouted	3.51E+06	1.38E+05	6.10E+07	4.19E+04
CTMT	AUX	Grouted	3.59E+06	1.41E+05	6.24E+07	4.28E+04
CTMT	AUX	Grouted	3.62E+06	1.43E+05	6.30E+07	4.32E+04
CTMT	AUX	Grouted	3.56E+06	1.40E+05	6.19E+07	4.25E+04
CTMT	AUX	Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04
CTMT	AUX	Grouted	3.61E+06	1.42E+05	6.28E+07	4.31E+04
CTMT	AUX	Grouted	3.63E+06	1.43E+05	6.32E+07	4.33E+04
CTMT	AUX	Grouted	3.66E+06	1.44E+05	6.37E+07	4.37E+04
CTMT	AUX	Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04
CTMT	AUX	Grouted	3.47E+06	1.36E+05	6.03E+07	4.14E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.89E+07	4.04E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04
CTMT	AUX	Grouted	3.20E+06	1.26E+05	5.57E+07	3.82E+04
CTMT	AUX	Grouted	3.12E+06	1.23E+05	5.42E+07	3.72E+04
CTMT	AUX	Grouted	3.18E+06	1.25E+05	5.52E+07	3.79E+04
CTMT	AUX	Grouted	3.19E+06	1.25E+05	5.54E+07	3.80E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04
CTMT	AUX	Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04
CTMT	AUX	Grouted	3.25E+06	1.28E+05	5.65E+07	3.88E+04



CTMT	AUX	Grouted	3.31E+06	1.30E+05	5.75E+07	3.94E+04
CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04
CTMT	AUX	Grouted	3.15E+06	1.24E+05	5.48E+07	3.76E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04
CTMT	AUX	Grouted	3.29E+06	1.29E+05	5.72E+07	3.92E+04
CTMT	AUX	Grouted	3.20E+06	1.26E+05	5.56E+07	3.81E+04
CTMT	AUX	Grouted	3.35E+06	1.32E+05	5.83E+07	4.00E+04
CTMT	AUX	Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04
CTMT	AUX	Grouted	3.35E+06	1.32E+05	5.82E+07	3.99E+04
CTMT	AUX	Grouted	3.40E+06	1.34E+05	5.92E+07	4.06E+04
CTMT	AUX	Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04
CTMT	AUX	Grouted	3.29E+06	1.30E+05	5.73E+07	3.93E+04
CTMT	AUX	Grouted	3.34E+06	1.32E+05	5.81E+07	3.99E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04
CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.74E+07	3.94E+04
CTMT	AUX	Grouted	3.39E+06	1.34E+05	5.90E+07	4.05E+04
CTMT	AUX	Grouted	3.41E+06	1.34E+05	5.94E+07	4.07E+04
CTMT	AUX	Grouted	3.42E+06	1.35E+05	5.96E+07	4.09E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04
CTMT	AUX	Grouted	3.48E+06	1.37E+05	6.05E+07	4.15E+04
CTMT	AUX	Grouted	9.25E+06	3.64E+05	1.61E+08	1.10E+05
CTMT	AUX	Grouted	4.94E+06	1.94E+05	8.59E+07	5.90E+04
CTMT	AUX	Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04
CTMT	AUX	Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04
CTMT	AUX	Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04
CTMT	AUX	Grouted	3.99E+06	1.57E+05	6.94E+07	4.76E+04
CTMT	AUX	Grouted	3.91E+06	1.54E+05	6.80E+07	4.67E+04

CTMT	AUX	Grouted	3.95E+06	1.55E+05	6.87E+07	4.71E+04
CTMT	AUX	Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04
CTMT	AUX	Grouted	4.00E+06	1.57E+05	6.95E+07	4.77E+04
CTMT	AUX	Grouted	3.88E+06	1.53E+05	6.75E+07	4.63E+04
CTMT	AUX	Grouted	3.89E+06	1.53E+05	6.77E+07	4.65E+04
CTMT	AUX	Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04
CTMT	AUX	Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04
CTMT	AUX	Grouted	3.85E+06	1.51E+05	6.69E+07	4.59E+04
CTMT	AUX	Grouted	3.78E+06	1.49E+05	6.57E+07	4.51E+04
CTMT	AUX	Grouted	3.82E+06	1.50E+05	6.64E+07	4.56E+04
CTMT	AUX	Grouted	3.77E+06	1.48E+05	6.56E+07	4.50E+04
CTMT	AUX	Grouted	3.70E+06	1.45E+05	6.43E+07	4.41E+04
CTMT	AUX	Grouted	3.53E+06	1.39E+05	6.13E+07	4.21E+04
CTMT	AUX	Grouted	3.45E+06	1.36E+05	5.99E+07	4.11E+04
CTMT	AUX	Grouted	3.37E+06	1.33E+05	5.86E+07	4.02E+04
CTMT	AUX	Grouted	3.32E+06	1.31E+05	5.77E+07	3.96E+04
CTMT	AUX	Grouted	3.23E+06	1.27E+05	5.62E+07	3.85E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04
CTMT	AUX	Grouted	3.39E+06	1.33E+05	5.89E+07	4.04E+04
CTMT	AUX	Grouted	3.30E+06	1.30E+05	5.74E+07	3.94E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.88E+07	4.04E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04
CTMT	AUX	Grouted	3.31E+06	1.30E+05	5.75E+07	3.94E+04
CTMT	AUX	Grouted	3.31E+06	1.30E+05	5.76E+07	3.95E+04
CTMT	AUX	Grouted	3.25E+06	1.28E+05	5.66E+07	3.88E+04
CTMT	AUX	Grouted	3.27E+06	1.29E+05	5.68E+07	3.90E+04

CTMT	AUX	Grouted	3.27E+06	1.29E+05	5.69E+07	3.91E+04
CTMT	AUX	Grouted	3.31E+06	1.30E+05	5.76E+07	3.95E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04
CTMT	AUX	Grouted	3.33E+06	1.31E+05	5.79E+07	3.98E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04
CTMT	AUX	Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04
CTMT	AUX	Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04
CTMT	AUX	Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04
CTMT	AUX	Grouted	3.38E+06	1.33E+05	5.88E+07	4.03E+04
CTMT	AUX	Grouted	3.52E+06	1.38E+05	6.12E+07	4.20E+04
CTMT	AUX	Grouted	3.50E+06	1.38E+05	6.08E+07	4.17E+04
CTMT	AUX	Grouted	3.43E+06	1.35E+05	5.97E+07	4.10E+04
CTMT	AUX	Grouted	3.43E+06	1.35E+05	5.96E+07	4.09E+04
CTMT	AUX	Grouted	3.62E+06	1.42E+05	6.30E+07	4.32E+04
CTMT	AUX	Grouted	1.40E+07	5.50E+05	2.43E+08	1.67E+05
CTMT	AUX	Grouted	1.81E+07	7.12E+05	3.15E+08	2.16E+05
CTMT	AUX	Grouted	6.56E+06	2.58E+05	1.14E+08	7.82E+04
CTMT	AUX	Grouted	5.02E+06	1.98E+05	8.73E+07	5.99E+04
CTMT	AUX	Grouted	5.22E+06	2.05E+05	9.07E+07	6.22E+04
CTMT	AUX	Grouted	6.08E+06	2.39E+05	1.06E+08	7.26E+04
CTMT	AUX	Grouted	6.12E+06	2.41E+05	1.06E+08	7.30E+04
CTMT	AUX	Grouted	6.28E+06	2.47E+05	1.09E+08	7.49E+04
CTMT	AUX	Grouted	7.77E+06	3.06E+05	1.35E+08	9.27E+04
CTMT	AUX	Grouted	7.51E+06	2.95E+05	1.31E+08	8.96E+04
CTMT	AUX	Grouted	5.41E+06	2.13E+05	9.41E+07	6.46E+04

CTMT	AUX	Grouted	4.81E+06	1.89E+05	8.37E+07	5.74E+04
CTMT	AUX	Grouted	4.64E+06	1.83E+05	8.07E+07	5.54E+04
CTMT	AUX	Grouted	4.49E+06	1.77E+05	7.80E+07	5.36E+04
CTMT	AUX	Grouted	4.53E+06	1.78E+05	7.87E+07	5.40E+04
CTMT	AUX	Grouted	4.59E+06	1.80E+05	7.98E+07	5.47E+04
CTMT	AUX	Grouted	5.38E+06	2.11E+05	9.35E+07	6.41E+04
CTMT	AUX	Grouted	7.88E+06	3.10E+05	1.37E+08	9.40E+04
CTMT	AUX	Grouted	6.04E+06	2.38E+05	1.05E+08	7.20E+04
CTMT	AUX	Grouted	4.95E+06	1.95E+05	8.60E+07	5.90E+04
CTMT	AUX	Grouted	4.58E+06	1.80E+05	7.96E+07	5.46E+04
CTMT	AUX	Grouted	4.07E+06	1.60E+05	7.07E+07	4.85E+04
CTMT	AUX	Grouted	4.02E+06	1.58E+05	6.99E+07	4.80E+04
CTMT	AUX	Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04
CTMT	AUX	Grouted	3.76E+06	1.48E+05	6.54E+07	4.49E+04
CTMT	AUX	Grouted	4.11E+06	1.62E+05	7.15E+07	4.90E+04
CTMT	AUX	Grouted	5.31E+06	2.09E+05	9.24E+07	6.34E+04
CTMT	AUX	Grouted	4.62E+06	1.82E+05	8.03E+07	5.51E+04
CTMT	AUX	Grouted	4.59E+06	1.81E+05	7.98E+07	5.48E+04
CTMT	AUX	Grouted	4.00E+06	1.57E+05	6.96E+07	4.77E+04
CTMT	AUX	Grouted	3.78E+06	1.49E+05	6.57E+07	4.51E+04
CTMT	AUX	Grouted	3.79E+06	1.49E+05	6.58E+07	4.52E+04
CTMT	AUX	Grouted	3.79E+06	1.49E+05	6.59E+07	4.52E+04
CTMT	AUX	Grouted	3.80E+06	1.50E+05	6.61E+07	4.54E+04
CTMT	AUX	Grouted	4.15E+06	1.63E+05	7.21E+07	4.95E+04
CTMT	AUX	Grouted	5.16E+06	2.03E+05	8.98E+07	6.16E+04
CTMT	AUX	Grouted	4.33E+06	1.70E+05	7.52E+07	5.16E+04
CTMT	AUX	Grouted	4.18E+06	1.65E+05	7.27E+07	4.99E+04

CTMT	AUX	Grouted	3.98E+06	1.57E+05	6.92E+07	4.75E+04
CTMT	AUX	Grouted	3.99E+06	1.57E+05	6.94E+07	4.76E+04
CTMT	AUX	Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04
CTMT	AUX	Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04
CTMT	AUX	Grouted	4.14E+06	1.63E+05	7.19E+07	4.93E+04
CTMT	AUX	Grouted	4.27E+06	1.68E+05	7.43E+07	5.10E+04
CTMT	AUX	Grouted	4.53E+06	1.78E+05	7.88E+07	5.41E+04
CTMT	AUX	Grouted	6.59E+06	2.59E+05	1.15E+08	7.87E+04
CTMT	AUX	Grouted	6.41E+06	2.52E+05	1.11E+08	7.64E+04
CTMT	AUX	Grouted	5.33E+06	2.10E+05	9.27E+07	6.36E+04
CTMT	AUX	Grouted	5.09E+06	2.00E+05	8.84E+07	6.07E+04
CTMT	AUX	Grouted	5.58E+06	2.20E+05	9.71E+07	6.66E+04
CTMT	AUX	Grouted	4.43E+06	1.74E+05	7.70E+07	5.28E+04
CTMT	AUX	Grouted	1.17E+07	4.62E+05	2.04E+08	1.40E+05
CTMT	AUX	Grouted	5.31E+06	2.09E+05	9.24E+07	6.34E+04
CTMT	AUX	Grouted	4.22E+06	1.66E+05	7.33E+07	5.03E+04
CTMT	AUX	Grouted	4.34E+06	1.71E+05	7.54E+07	5.18E+04
CTMT	AUX	Grouted	4.30E+06	1.69E+05	7.47E+07	5.13E+04
CTMT	AUX	Grouted	4.13E+06	1.62E+05	7.18E+07	4.92E+04
CTMT	AUX	Grouted	4.04E+06	1.59E+05	7.03E+07	4.82E+04
CTMT	AUX	Grouted	4.29E+06	1.69E+05	7.45E+07	5.12E+04
CTMT	AUX	Grouted	4.59E+06	1.80E+05	7.97E+07	5.47E+04
CTMT	AUX	Grouted	4.17E+06	1.64E+05	7.24E+07	4.97E+04
CTMT	AUX	Grouted	3.98E+06	1.57E+05	6.92E+07	4.75E+04
CTMT	AUX	Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04
CTMT	AUX	Grouted	4.03E+06	1.59E+05	7.01E+07	4.81E+04
CTMT	AUX	Grouted	4.09E+06	1.61E+05	7.11E+07	4.88E+04

CTMT	AUX	Grouted	4.13E+06	1.63E+05	7.19E+07	4.93E+04
CTMT	AUX	Grouted	4.22E+06	1.66E+05	7.34E+07	5.04E+04
CTMT	AUX	Grouted	4.85E+06	1.91E+05	8.43E+07	5.79E+04
CTMT	AUX	Grouted	5.13E+06	2.02E+05	8.93E+07	6.13E+04
CTMT	AUX	Grouted	4.41E+06	1.74E+05	7.68E+07	5.27E+04
CTMT	AUX	Grouted	4.23E+06	1.66E+05	7.35E+07	5.04E+04
CTMT	AUX	Grouted	4.49E+06	1.77E+05	7.80E+07	5.36E+04
CTMT	AUX	Grouted	4.16E+06	1.64E+05	7.24E+07	4.97E+04
CTMT	AUX	Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04
CTMT	AUX	Grouted	3.69E+06	1.45E+05	6.41E+07	4.40E+04
CTMT	AUX	Grouted	3.67E+06	1.44E+05	6.38E+07	4.38E+04
CTMT	AUX	Grouted	5.00E+06	1.97E+05	8.70E+07	5.97E+04
CTMT	AUX	Grouted	6.30E+06	2.48E+05	1.10E+08	7.52E+04
CTMT	AUX	Grouted	4.13E+06	1.63E+05	7.18E+07	4.93E+04
CTMT	AUX	Grouted	3.71E+06	1.46E+05	6.45E+07	4.42E+04
CTMT	AUX	Grouted	3.63E+06	1.43E+05	6.31E+07	4.33E+04
CTMT	AUX	Grouted	3.53E+06	1.39E+05	6.14E+07	4.21E+04
CTMT	AUX	Grouted	3.59E+06	1.41E+05	6.24E+07	4.28E+04
CTMT	AUX	Grouted	3.73E+06	1.47E+05	6.48E+07	4.45E+04
CTMT	AUX	Grouted	4.21E+06	1.65E+05	7.31E+07	5.02E+04
CTMT	AUX	Grouted	6.98E+06	2.74E+05	1.21E+08	8.32E+04
CTMT	AUX	Grouted	8.05E+06	3.17E+05	1.40E+08	9.61E+04
CTMT	AUX	Grouted	6.37E+06	2.51E+05	1.11E+08	7.61E+04
CTMT	AUX	Grouted	4.67E+06	1.84E+05	8.12E+07	5.57E+04
CTMT	AUX	Grouted	4.13E+06	1.62E+05	7.18E+07	4.92E+04
CTMT	AUX	Grouted	3.76E+06	1.48E+05	6.55E+07	4.49E+04
CTMT	AUX	Grouted	3.69E+06	1.45E+05	6.42E+07	4.41E+04

CTMT	AUX	Grouted	3.72E+06	1.46E+05	6.47E+07	4.44E+04
CTMT	AUX	Grouted	4.20E+06	1.65E+05	7.30E+07	5.01E+04
CTMT	AUX	Grouted	7.17E+06	2.82E+05	1.25E+08	8.55E+04
CTMT	AUX	Grouted	6.00E+06	2.36E+05	1.04E+08	7.16E+04
CTMT	AUX	Grouted	4.43E+06	1.74E+05	7.70E+07	5.28E+04
CTMT	AUX	Grouted	4.34E+06	1.71E+05	7.54E+07	5.17E+04
CTMT	AUX	Grouted	4.74E+06	1.86E+05	8.24E+07	5.65E+04
CTMT	AUX	Grouted	5.99E+06	2.36E+05	1.04E+08	7.15E+04
CTMT	AUX	Grouted	5.70E+06	2.24E+05	9.91E+07	6.80E+04
CTMT	AUX	Removed	7.07E+04	2.78E+03	1.23E+06	8.43E+02
CTMT	TB	Open/Buried	9.54E+04	3.75E+03	1.66E+06	1.14E+03
CTMT	TB	Open/Buried	1.34E+05	5.26E+03	2.33E+06	1.60E+03
CTMT	TB	Open/Buried	2.00E+05	7.87E+03	3.48E+06	2.39E+03
CTMT	TB	Open/Buried	1.93E+05	7.58E+03	3.35E+06	2.30E+03
CTMT	TB	Open/Buried	1.09E+05	4.30E+03	1.90E+06	1.30E+03
CTMT	TB	Open/Buried	1.27E+05	5.01E+03	2.21E+06	1.52E+03
CTMT	TB	Open/Buried	6.86E+04	2.70E+03	1.19E+06	8.19E+02
CTMT	TB	Open/Buried	4.98E+04	1.96E+03	8.65E+05	5.94E+02
CTMT	TB	Open/Buried	6.74E+04	2.65E+03	1.17E+06	8.05E+02
CTMT	TB	Open/Buried	4.68E+04	1.84E+03	8.13E+05	5.58E+02
CTMT	TB	Open/Buried	5.78E+04	2.27E+03	1.01E+06	6.90E+02
CTMT	TB	Open/Buried	5.23E+04	2.06E+03	9.09E+05	6.24E+02
CTMT	TB	Open/Buried	6.04E+04	2.38E+03	1.05E+06	7.20E+02
CTMT	TB	Open/Buried	4.49E+04	1.77E+03	7.81E+05	5.36E+02
CTMT	TB	Open/Buried	4.23E+04	1.67E+03	7.36E+05	5.05E+02
CTMT	TB	Open/Buried	4.23E+04	1.67E+03	7.36E+05	5.05E+02
CTMT	TB	Open/Buried	4.68E+04	1.84E+03	8.13E+05	5.58E+02

CTMT	TB	Open/Buried	7.14E+04	2.81E+03	1.24E+06	8.52E+02
CTMT	TB	Open/Buried	3.94E+04	1.55E+03	6.85E+05	4.70E+02
CTMT	TB	Open/Buried	5.41E+04	2.13E+03	9.41E+05	6.46E+02
CTMT	TB	Open/Buried	1.31E+05	5.14E+03	2.27E+06	1.56E+03
CTMT	TB	Open/Buried	5.71E+04	2.24E+03	9.92E+05	6.81E+02
CTMT	TB	Open/Buried	5.60E+04	2.20E+03	9.73E+05	6.68E+02
CTMT	TB	Open/Buried	9.06E+04	3.56E+03	1.57E+06	1.08E+03

	H-3	Co-60	Ni-63	Sr-90
	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)
MEAN CONCENTRATION - ALL	3.75E+06	1.48E+05	6.52E+07	4.48E+04
	H-3	Co-60	Ni-63	Sr-90
	(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)
MEAN BcSOF - CTMT <sub>PN</sub> DCGLs	0.001	0.000	0.001	0.002
MEAN BcSOF - Most Limiting <sub>PN</sub> DCGLs	0.001	0.002	0.001	0.002













































for Containments from LTP Chapter 5, Table 5-2

for Aux Building from LTP Chapter 5, Table 5-2

## NT PENETRATIONS

Cs-134 <sup>(2)</sup>	Cs-137 <sup>(2)</sup>	Eu-152 <sup>(2)</sup>	Eu-154 <sup>(2)</sup>	OpSOF <sub>PN</sub>	OpSOF <sub>PN</sub>
(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	CTMT <sub>PN</sub>	Limiting DCGL
1.77E+03	1.21E+07	7.78E+04	1.06E+04	0.685	0.803
2.45E+02	1.67E+06	1.08E+04	1.47E+03	0.095	0.111
1.56E+02	1.06E+06	6.86E+03	9.35E+02	0.060	0.071
1.55E+02	1.06E+06	6.84E+03	9.33E+02	0.060	0.071
1.37E+02	9.32E+05	6.01E+03	8.20E+02	0.053	0.062
1.44E+02	9.80E+05	6.33E+03	8.63E+02	0.056	0.065
1.54E+02	1.05E+06	6.78E+03	9.25E+02	0.060	0.070
1.77E+02	1.21E+06	7.79E+03	1.06E+03	0.069	0.080
3.38E+02	2.31E+06	1.49E+04	2.03E+03	0.131	0.154
1.04E+02	7.07E+05	4.56E+03	6.22E+02	0.040	0.047
1.29E+02	8.80E+05	5.68E+03	7.75E+02	0.050	0.059

1.47E+02	1.00E+06	6.49E+03	8.85E+02	0.057	0.067
1.80E+02	1.22E+06	7.91E+03	1.08E+03	0.070	0.082
4.77E+02	3.25E+06	2.10E+04	2.86E+03	0.185	0.217
2.33E+02	1.59E+06	1.02E+04	1.40E+03	0.090	0.106
1.36E+02	9.24E+05	5.96E+03	8.13E+02	0.052	0.062
1.21E+02	8.22E+05	5.31E+03	7.24E+02	0.047	0.055
1.07E+02	7.27E+05	4.69E+03	6.40E+02	0.041	0.048
2.64E+02	1.80E+06	1.16E+04	1.58E+03	0.102	0.120
1.52E+02	1.03E+06	6.68E+03	9.11E+02	0.059	0.069
1.49E+02	1.01E+06	6.54E+03	8.92E+02	0.058	0.067
1.38E+02	9.38E+05	6.05E+03	8.25E+02	0.053	0.062
1.41E+02	9.64E+05	6.22E+03	8.48E+02	0.055	0.064
4.28E+02	2.92E+06	1.88E+04	2.57E+03	0.166	0.194
6.72E+00	4.58E+04	2.96E+02	4.03E+01	0.003	0.003
4.19E+01	2.85E+05	1.84E+03	2.51E+02	0.016	0.019
2.83E+01	1.93E+05	1.24E+03	1.70E+02	0.011	0.013
3.09E+02	2.11E+06	1.36E+04	1.86E+03	0.120	0.140
1.17E+02	7.95E+05	5.13E+03	7.00E+02	0.045	0.053
1.08E+02	7.33E+05	4.73E+03	6.45E+02	0.042	0.049
1.12E+02	7.60E+05	4.91E+03	6.69E+02	0.043	0.051
9.23E+00	6.29E+04	4.06E+02	5.54E+01	0.004	0.004
7.14E+00	4.87E+04	3.14E+02	4.29E+01	0.003	0.003
9.11E+00	6.21E+04	4.01E+02	5.46E+01	0.004	0.004
9.72E+00	6.63E+04	4.28E+02	5.83E+01	0.004	0.004
1.26E+03	8.62E+06	5.56E+04	7.58E+03	0.489	0.574
2.50E+02	1.71E+06	1.10E+04	1.50E+03	0.097	0.114
1.88E+02	1.28E+06	8.28E+03	1.13E+03	0.073	0.085

1.72E+02	1.17E+06	7.58E+03	1.03E+03	0.067	0.078
5.04E+02	3.43E+06	2.22E+04	3.02E+03	0.195	0.229
1.72E+02	1.17E+06	7.55E+03	1.03E+03	0.066	0.078
1.47E+02	1.00E+06	6.46E+03	8.81E+02	0.057	0.067
1.81E+02	1.23E+06	7.95E+03	1.08E+03	0.070	0.082
8.43E+02	5.75E+06	3.71E+04	5.06E+03	0.326	0.383
1.79E+02	1.22E+06	7.86E+03	1.07E+03	0.069	0.081
1.34E+02	9.13E+05	5.89E+03	8.04E+02	0.052	0.061
1.55E+02	1.06E+06	6.83E+03	9.31E+02	0.060	0.070
5.93E+02	4.04E+06	2.61E+04	3.56E+03	0.230	0.269
1.94E+02	1.32E+06	8.53E+03	1.16E+03	0.075	0.088
1.84E+02	1.25E+06	8.09E+03	1.10E+03	0.071	0.083
2.21E+02	1.51E+06	9.73E+03	1.33E+03	0.086	0.100
8.00E+02	5.46E+06	3.52E+04	4.80E+03	0.310	0.363
1.90E+02	1.30E+06	8.36E+03	1.14E+03	0.074	0.086
1.63E+02	1.11E+06	7.18E+03	9.79E+02	0.063	0.074
1.87E+02	1.27E+06	8.22E+03	1.12E+03	0.072	0.085
1.11E+03	7.59E+06	4.90E+04	6.68E+03	0.431	0.505
1.55E+02	1.06E+06	6.81E+03	9.29E+02	0.060	0.070
1.06E+02	7.24E+05	4.67E+03	6.37E+02	0.041	0.048
1.09E+02	7.40E+05	4.78E+03	6.51E+02	0.042	0.049
1.04E+02	7.12E+05	4.60E+03	6.27E+02	0.040	0.047
1.48E+03	1.01E+07	6.51E+04	8.88E+03	0.573	0.672
1.73E+02	1.18E+06	7.60E+03	1.04E+03	0.067	0.078
1.23E+02	8.38E+05	5.41E+03	7.38E+02	0.048	0.056
1.17E+02	8.01E+05	5.17E+03	7.05E+02	0.045	0.053
1.17E+02	7.96E+05	5.14E+03	7.01E+02	0.045	0.053

1.73E+03	1.18E+07	7.60E+04	1.04E+04	0.668	0.783
5.69E+02	3.88E+06	2.50E+04	3.41E+03	0.220	0.258
7.50E+02	5.11E+06	3.30E+04	4.50E+03	0.290	0.340
6.75E+02	4.60E+06	2.97E+04	4.05E+03	0.261	0.306
5.69E+02	3.88E+06	2.50E+04	3.41E+03	0.220	0.258
7.81E+02	5.32E+06	3.44E+04	4.69E+03	0.302	0.354
1.03E+03	7.05E+06	4.55E+04	6.21E+03	0.400	0.469
1.23E+02	8.36E+05	5.39E+03	7.36E+02	0.047	0.056
9.83E+01	6.70E+05	4.33E+03	5.90E+02	0.038	0.045
9.18E+01	6.26E+05	4.04E+03	5.51E+02	0.036	0.042
1.01E+02	6.86E+05	4.43E+03	6.04E+02	0.039	0.046
1.01E+03	6.91E+06	4.46E+04	6.08E+03	0.392	0.460
1.53E+02	1.04E+06	6.74E+03	9.19E+02	0.059	0.069
1.30E+02	8.87E+05	5.73E+03	7.81E+02	0.050	0.059
1.40E+02	9.57E+05	6.18E+03	8.43E+02	0.054	0.064
1.20E+02	8.20E+05	5.29E+03	7.21E+02	0.047	0.055
8.26E+02	5.63E+06	3.63E+04	4.95E+03	0.320	0.375
1.51E+02	1.03E+06	6.65E+03	9.06E+02	0.058	0.069
1.27E+02	8.64E+05	5.58E+03	7.61E+02	0.049	0.058
1.33E+02	9.06E+05	5.85E+03	7.98E+02	0.051	0.060
1.29E+02	8.81E+05	5.69E+03	7.76E+02	0.050	0.059
2.82E+01	1.92E+05	1.24E+03	1.69E+02	0.011	0.013
6.01E+00	4.10E+04	2.65E+02	3.61E+01	0.002	0.003
6.01E+00	4.10E+04	2.65E+02	3.61E+01	0.002	0.003
2.32E+01	1.58E+05	1.02E+03	1.39E+02	0.009	0.011
1.72E+01	1.17E+05	7.57E+02	1.03E+02	0.007	0.008
5.34E+00	3.64E+04	2.35E+02	3.20E+01	0.002	0.002

1.85E+01	1.26E+05	8.13E+02	1.11E+02	0.007	0.008
1.00E+03	6.83E+06	4.41E+04	6.01E+03	0.388	0.455
4.63E+02	3.16E+06	2.04E+04	2.78E+03	0.179	0.210
3.43E+02	2.34E+06	1.51E+04	2.06E+03	0.133	0.156
3.34E+02	2.28E+06	1.47E+04	2.00E+03	0.129	0.152
3.36E+02	2.29E+06	1.48E+04	2.02E+03	0.130	0.152
3.25E+02	2.22E+06	1.43E+04	1.95E+03	0.126	0.147
3.17E+02	2.16E+06	1.40E+04	1.90E+03	0.123	0.144
3.11E+02	2.12E+06	1.37E+04	1.87E+03	0.120	0.141
3.25E+02	2.22E+06	1.43E+04	1.95E+03	0.126	0.148
3.14E+02	2.14E+06	1.38E+04	1.88E+03	0.121	0.142
3.10E+02	2.12E+06	1.37E+04	1.86E+03	0.120	0.141
3.21E+02	2.19E+06	1.41E+04	1.93E+03	0.124	0.146
3.22E+02	2.19E+06	1.42E+04	1.93E+03	0.125	0.146
3.14E+02	2.14E+06	1.38E+04	1.89E+03	0.122	0.143
3.26E+02	2.23E+06	1.44E+04	1.96E+03	0.126	0.148
3.12E+02	2.13E+06	1.37E+04	1.87E+03	0.121	0.142
3.20E+02	2.18E+06	1.41E+04	1.92E+03	0.124	0.145
3.38E+02	2.30E+06	1.49E+04	2.03E+03	0.131	0.153
3.28E+02	2.23E+06	1.44E+04	1.97E+03	0.127	0.149
3.04E+02	2.07E+06	1.34E+04	1.82E+03	0.118	0.138
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.79E+02	1.90E+06	1.23E+04	1.67E+03	0.108	0.127
2.75E+02	1.87E+06	1.21E+04	1.65E+03	0.106	0.125
2.66E+02	1.81E+06	1.17E+04	1.59E+03	0.103	0.121
2.75E+02	1.88E+06	1.21E+04	1.65E+03	0.107	0.125
2.68E+02	1.82E+06	1.18E+04	1.61E+03	0.104	0.121



2.75E+02	1.87E+06	1.21E+04	1.65E+03	0.106	0.125
2.76E+02	1.88E+06	1.21E+04	1.66E+03	0.107	0.125
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.105	0.123
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.105	0.123
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.69E+02	1.83E+06	1.18E+04	1.61E+03	0.104	0.122
2.68E+02	1.83E+06	1.18E+04	1.61E+03	0.104	0.122
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.104	0.122
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.104	0.122
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.68E+02	1.83E+06	1.18E+04	1.61E+03	0.104	0.122
2.74E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.105	0.123
2.81E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.78E+02	1.90E+06	1.22E+04	1.67E+03	0.108	0.126
2.69E+02	1.84E+06	1.18E+04	1.62E+03	0.104	0.122
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
8.69E+02	5.93E+06	3.83E+04	5.22E+03	0.337	0.395
4.65E+02	3.17E+06	2.05E+04	2.79E+03	0.180	0.211
3.34E+02	2.27E+06	1.47E+04	2.00E+03	0.129	0.151

3.30E+02	2.25E+06	1.45E+04	1.98E+03	0.128	0.150
3.28E+02	2.24E+06	1.44E+04	1.97E+03	0.127	0.149
3.19E+02	2.17E+06	1.40E+04	1.91E+03	0.123	0.145
3.04E+02	2.08E+06	1.34E+04	1.83E+03	0.118	0.138
3.03E+02	2.06E+06	1.33E+04	1.82E+03	0.117	0.137
2.98E+02	2.03E+06	1.31E+04	1.79E+03	0.116	0.135
3.02E+02	2.06E+06	1.33E+04	1.81E+03	0.117	0.137
2.92E+02	1.99E+06	1.29E+04	1.75E+03	0.113	0.133
2.99E+02	2.04E+06	1.32E+04	1.80E+03	0.116	0.136
3.02E+02	2.06E+06	1.33E+04	1.81E+03	0.117	0.137
2.97E+02	2.02E+06	1.30E+04	1.78E+03	0.115	0.135
2.98E+02	2.03E+06	1.31E+04	1.79E+03	0.115	0.135
3.01E+02	2.05E+06	1.32E+04	1.81E+03	0.117	0.137
3.03E+02	2.06E+06	1.33E+04	1.82E+03	0.117	0.137
3.05E+02	2.08E+06	1.34E+04	1.83E+03	0.118	0.139
3.05E+02	2.08E+06	1.34E+04	1.83E+03	0.118	0.138
2.89E+02	1.97E+06	1.27E+04	1.73E+03	0.112	0.131
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.67E+02	1.82E+06	1.17E+04	1.60E+03	0.103	0.121
2.60E+02	1.77E+06	1.14E+04	1.56E+03	0.101	0.118
2.65E+02	1.80E+06	1.16E+04	1.59E+03	0.103	0.120
2.66E+02	1.81E+06	1.17E+04	1.59E+03	0.103	0.121
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.105	0.123
2.71E+02	1.85E+06	1.19E+04	1.63E+03	0.105	0.123

2.75E+02	1.88E+06	1.21E+04	1.65E+03	0.107	0.125
2.75E+02	1.87E+06	1.21E+04	1.65E+03	0.106	0.125
2.63E+02	1.79E+06	1.16E+04	1.58E+03	0.102	0.119
2.74E+02	1.87E+06	1.20E+04	1.64E+03	0.106	0.124
2.74E+02	1.87E+06	1.21E+04	1.64E+03	0.106	0.124
2.66E+02	1.82E+06	1.17E+04	1.60E+03	0.103	0.121
2.79E+02	1.90E+06	1.23E+04	1.68E+03	0.108	0.127
2.70E+02	1.84E+06	1.19E+04	1.62E+03	0.105	0.123
2.79E+02	1.90E+06	1.23E+04	1.67E+03	0.108	0.127
2.84E+02	1.93E+06	1.25E+04	1.70E+03	0.110	0.129
2.80E+02	1.91E+06	1.23E+04	1.68E+03	0.108	0.127
2.74E+02	1.87E+06	1.21E+04	1.65E+03	0.106	0.125
2.79E+02	1.90E+06	1.23E+04	1.67E+03	0.108	0.127
2.78E+02	1.89E+06	1.22E+04	1.67E+03	0.108	0.126
2.75E+02	1.88E+06	1.21E+04	1.65E+03	0.106	0.125
2.83E+02	1.93E+06	1.24E+04	1.70E+03	0.110	0.128
2.85E+02	1.94E+06	1.25E+04	1.71E+03	0.110	0.129
2.85E+02	1.95E+06	1.26E+04	1.71E+03	0.111	0.130
2.78E+02	1.89E+06	1.22E+04	1.67E+03	0.108	0.126
2.90E+02	1.98E+06	1.28E+04	1.74E+03	0.112	0.132
7.71E+02	5.25E+06	3.39E+04	4.62E+03	0.298	0.350
4.12E+02	2.81E+06	1.81E+04	2.47E+03	0.159	0.187
3.30E+02	2.25E+06	1.45E+04	1.98E+03	0.128	0.150
3.34E+02	2.28E+06	1.47E+04	2.00E+03	0.129	0.152
3.30E+02	2.25E+06	1.45E+04	1.98E+03	0.128	0.150
3.32E+02	2.27E+06	1.46E+04	1.99E+03	0.129	0.151
3.26E+02	2.22E+06	1.43E+04	1.96E+03	0.126	0.148

3.29E+02	2.24E+06	1.45E+04	1.97E+03	0.127	0.149
3.34E+02	2.28E+06	1.47E+04	2.00E+03	0.129	0.152
3.33E+02	2.27E+06	1.47E+04	2.00E+03	0.129	0.151
3.24E+02	2.21E+06	1.42E+04	1.94E+03	0.125	0.147
3.24E+02	2.21E+06	1.43E+04	1.95E+03	0.126	0.147
3.23E+02	2.20E+06	1.42E+04	1.94E+03	0.125	0.146
3.22E+02	2.20E+06	1.42E+04	1.93E+03	0.125	0.146
3.20E+02	2.18E+06	1.41E+04	1.92E+03	0.124	0.145
3.15E+02	2.15E+06	1.39E+04	1.89E+03	0.122	0.143
3.18E+02	2.17E+06	1.40E+04	1.91E+03	0.123	0.144
3.15E+02	2.14E+06	1.38E+04	1.89E+03	0.122	0.143
3.08E+02	2.10E+06	1.36E+04	1.85E+03	0.119	0.140
2.94E+02	2.00E+06	1.29E+04	1.76E+03	0.114	0.133
2.87E+02	1.96E+06	1.26E+04	1.72E+03	0.111	0.130
2.81E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.69E+02	1.83E+06	1.18E+04	1.61E+03	0.104	0.122
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.72E+02	1.85E+06	1.20E+04	1.63E+03	0.105	0.123
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.75E+02	1.87E+06	1.21E+04	1.65E+03	0.106	0.125
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.77E+02	1.89E+06	1.22E+04	1.66E+03	0.107	0.126
2.75E+02	1.88E+06	1.21E+04	1.65E+03	0.107	0.125
2.76E+02	1.88E+06	1.22E+04	1.66E+03	0.107	0.125
2.71E+02	1.85E+06	1.19E+04	1.63E+03	0.105	0.123
2.72E+02	1.86E+06	1.20E+04	1.63E+03	0.105	0.124

2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.76E+02	1.88E+06	1.21E+04	1.66E+03	0.107	0.125
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.78E+02	1.89E+06	1.22E+04	1.67E+03	0.108	0.126
2.73E+02	1.86E+06	1.20E+04	1.64E+03	0.106	0.124
2.74E+02	1.87E+06	1.20E+04	1.64E+03	0.106	0.124
2.80E+02	1.91E+06	1.23E+04	1.68E+03	0.108	0.127
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.80E+02	1.91E+06	1.23E+04	1.68E+03	0.108	0.127
2.82E+02	1.92E+06	1.24E+04	1.69E+03	0.109	0.128
2.93E+02	2.00E+06	1.29E+04	1.76E+03	0.114	0.133
2.91E+02	1.99E+06	1.28E+04	1.75E+03	0.113	0.132
2.86E+02	1.95E+06	1.26E+04	1.72E+03	0.111	0.130
2.86E+02	1.95E+06	1.26E+04	1.71E+03	0.111	0.130
3.02E+02	2.06E+06	1.33E+04	1.81E+03	0.117	0.137
1.16E+03	7.94E+06	5.12E+04	6.99E+03	0.451	0.529
1.51E+03	1.03E+07	6.64E+04	9.06E+03	0.584	0.685
5.47E+02	3.73E+06	2.40E+04	3.28E+03	0.212	0.248
4.19E+02	2.85E+06	1.84E+04	2.51E+03	0.162	0.190
4.35E+02	2.96E+06	1.91E+04	2.61E+03	0.168	0.197
5.07E+02	3.46E+06	2.23E+04	3.04E+03	0.196	0.230
5.10E+02	3.47E+06	2.24E+04	3.06E+03	0.197	0.231
5.23E+02	3.57E+06	2.30E+04	3.14E+03	0.203	0.237
6.48E+02	4.42E+06	2.85E+04	3.89E+03	0.251	0.294
6.26E+02	4.27E+06	2.75E+04	3.75E+03	0.242	0.284
4.51E+02	3.08E+06	1.98E+04	2.71E+03	0.175	0.205

4.01E+02	2.73E+06	1.76E+04	2.41E+03	0.155	0.182
3.87E+02	2.64E+06	1.70E+04	2.32E+03	0.150	0.176
3.74E+02	2.55E+06	1.65E+04	2.24E+03	0.145	0.170
3.77E+02	2.57E+06	1.66E+04	2.26E+03	0.146	0.171
3.82E+02	2.61E+06	1.68E+04	2.29E+03	0.148	0.174
4.48E+02	3.05E+06	1.97E+04	2.69E+03	0.173	0.203
6.57E+02	4.48E+06	2.89E+04	3.94E+03	0.254	0.298
5.03E+02	3.43E+06	2.21E+04	3.02E+03	0.195	0.228
4.12E+02	2.81E+06	1.81E+04	2.47E+03	0.160	0.187
3.82E+02	2.60E+06	1.68E+04	2.29E+03	0.148	0.173
3.39E+02	2.31E+06	1.49E+04	2.03E+03	0.131	0.154
3.35E+02	2.28E+06	1.47E+04	2.01E+03	0.130	0.152
3.23E+02	2.20E+06	1.42E+04	1.94E+03	0.125	0.146
3.13E+02	2.14E+06	1.38E+04	1.88E+03	0.121	0.142
3.43E+02	2.34E+06	1.51E+04	2.06E+03	0.133	0.155
4.43E+02	3.02E+06	1.95E+04	2.66E+03	0.171	0.201
3.85E+02	2.62E+06	1.69E+04	2.31E+03	0.149	0.175
3.83E+02	2.61E+06	1.68E+04	2.30E+03	0.148	0.174
3.34E+02	2.27E+06	1.47E+04	2.00E+03	0.129	0.151
3.15E+02	2.15E+06	1.39E+04	1.89E+03	0.122	0.143
3.16E+02	2.15E+06	1.39E+04	1.89E+03	0.122	0.143
3.16E+02	2.15E+06	1.39E+04	1.90E+03	0.122	0.143
3.17E+02	2.16E+06	1.39E+04	1.90E+03	0.123	0.144
3.46E+02	2.36E+06	1.52E+04	2.07E+03	0.134	0.157
4.30E+02	2.93E+06	1.89E+04	2.58E+03	0.167	0.195
3.61E+02	2.46E+06	1.59E+04	2.16E+03	0.140	0.164
3.49E+02	2.38E+06	1.53E+04	2.09E+03	0.135	0.158

3.32E+02	2.26E+06	1.46E+04	1.99E+03	0.128	0.150
3.33E+02	2.27E+06	1.46E+04	2.00E+03	0.129	0.151
3.41E+02	2.32E+06	1.50E+04	2.04E+03	0.132	0.155
3.41E+02	2.32E+06	1.50E+04	2.04E+03	0.132	0.155
3.45E+02	2.35E+06	1.52E+04	2.07E+03	0.133	0.156
3.56E+02	2.43E+06	1.57E+04	2.14E+03	0.138	0.162
3.78E+02	2.57E+06	1.66E+04	2.27E+03	0.146	0.171
5.50E+02	3.75E+06	2.42E+04	3.30E+03	0.213	0.249
5.34E+02	3.64E+06	2.35E+04	3.20E+03	0.207	0.242
4.44E+02	3.03E+06	1.95E+04	2.67E+03	0.172	0.202
4.24E+02	2.89E+06	1.87E+04	2.54E+03	0.164	0.192
4.65E+02	3.17E+06	2.05E+04	2.79E+03	0.180	0.211
3.69E+02	2.52E+06	1.62E+04	2.21E+03	0.143	0.167
9.78E+02	6.67E+06	4.30E+04	5.87E+03	0.379	0.444
4.43E+02	3.02E+06	1.95E+04	2.66E+03	0.171	0.201
3.51E+02	2.40E+06	1.55E+04	2.11E+03	0.136	0.159
3.62E+02	2.47E+06	1.59E+04	2.17E+03	0.140	0.164
3.58E+02	2.44E+06	1.58E+04	2.15E+03	0.139	0.163
3.44E+02	2.35E+06	1.51E+04	2.06E+03	0.133	0.156
3.37E+02	2.30E+06	1.48E+04	2.02E+03	0.130	0.153
3.57E+02	2.44E+06	1.57E+04	2.14E+03	0.138	0.162
3.82E+02	2.61E+06	1.68E+04	2.29E+03	0.148	0.173
3.47E+02	2.37E+06	1.53E+04	2.08E+03	0.134	0.158
3.32E+02	2.26E+06	1.46E+04	1.99E+03	0.128	0.151
3.41E+02	2.32E+06	1.50E+04	2.04E+03	0.132	0.155
3.36E+02	2.29E+06	1.48E+04	2.02E+03	0.130	0.153
3.41E+02	2.32E+06	1.50E+04	2.05E+03	0.132	0.155

3.45E+02	2.35E+06	1.52E+04	2.07E+03	0.133	0.156
3.52E+02	2.40E+06	1.55E+04	2.11E+03	0.136	0.160
4.04E+02	2.76E+06	1.78E+04	2.43E+03	0.157	0.183
4.28E+02	2.92E+06	1.88E+04	2.57E+03	0.166	0.194
3.68E+02	2.51E+06	1.62E+04	2.21E+03	0.142	0.167
3.52E+02	2.40E+06	1.55E+04	2.11E+03	0.136	0.160
3.74E+02	2.55E+06	1.65E+04	2.24E+03	0.145	0.170
3.47E+02	2.36E+06	1.53E+04	2.08E+03	0.134	0.157
3.11E+02	2.12E+06	1.37E+04	1.87E+03	0.120	0.141
3.07E+02	2.10E+06	1.35E+04	1.84E+03	0.119	0.140
3.06E+02	2.08E+06	1.35E+04	1.83E+03	0.118	0.139
4.17E+02	2.84E+06	1.84E+04	2.50E+03	0.161	0.189
5.25E+02	3.58E+06	2.31E+04	3.15E+03	0.203	0.238
3.44E+02	2.35E+06	1.52E+04	2.07E+03	0.133	0.156
3.09E+02	2.11E+06	1.36E+04	1.85E+03	0.120	0.140
3.02E+02	2.06E+06	1.33E+04	1.81E+03	0.117	0.137
2.94E+02	2.01E+06	1.30E+04	1.77E+03	0.114	0.134
2.99E+02	2.04E+06	1.32E+04	1.79E+03	0.116	0.136
3.11E+02	2.12E+06	1.37E+04	1.86E+03	0.120	0.141
3.51E+02	2.39E+06	1.54E+04	2.10E+03	0.136	0.159
5.81E+02	3.96E+06	2.56E+04	3.49E+03	0.225	0.264
6.71E+02	4.57E+06	2.95E+04	4.03E+03	0.260	0.305
5.31E+02	3.62E+06	2.34E+04	3.19E+03	0.206	0.241
3.89E+02	2.65E+06	1.71E+04	2.33E+03	0.151	0.177
3.44E+02	2.35E+06	1.51E+04	2.06E+03	0.133	0.156
3.14E+02	2.14E+06	1.38E+04	1.88E+03	0.121	0.142
3.08E+02	2.10E+06	1.35E+04	1.85E+03	0.119	0.140



3.10E+02	2.12E+06	1.37E+04	1.86E+03	0.120	0.141
3.50E+02	2.39E+06	1.54E+04	2.10E+03	0.136	0.159
5.97E+02	4.07E+06	2.63E+04	3.58E+03	0.231	0.271
5.00E+02	3.41E+06	2.20E+04	3.00E+03	0.193	0.227
3.69E+02	2.51E+06	1.62E+04	2.21E+03	0.143	0.167
3.61E+02	2.46E+06	1.59E+04	2.17E+03	0.140	0.164
3.95E+02	2.69E+06	1.74E+04	2.37E+03	0.153	0.179
4.99E+02	3.40E+06	2.20E+04	2.99E+03	0.193	0.227
4.75E+02	3.24E+06	2.09E+04	2.85E+03	0.184	0.216
5.89E+00	4.02E+04	2.59E+02	3.53E+01	0.002	0.003
7.95E+00	5.42E+04	3.50E+02	4.77E+01	0.003	0.004
1.11E+01	7.60E+04	4.90E+02	6.69E+01	0.004	0.005
1.67E+01	1.14E+05	7.33E+02	1.00E+02	0.006	0.008
1.61E+01	1.09E+05	7.06E+02	9.63E+01	0.006	0.007
9.11E+00	6.21E+04	4.01E+02	5.46E+01	0.004	0.004
1.06E+01	7.23E+04	4.67E+02	6.36E+01	0.004	0.005
5.72E+00	3.90E+04	2.52E+02	3.43E+01	0.002	0.003
4.15E+00	2.83E+04	1.83E+02	2.49E+01	0.002	0.002
5.62E+00	3.83E+04	2.47E+02	3.37E+01	0.002	0.003
3.90E+00	2.66E+04	1.71E+02	2.34E+01	0.002	0.002
4.82E+00	3.28E+04	2.12E+02	2.89E+01	0.002	0.002
4.36E+00	2.97E+04	1.92E+02	2.61E+01	0.002	0.002
5.03E+00	3.43E+04	2.21E+02	3.02E+01	0.002	0.002
3.74E+00	2.55E+04	1.65E+02	2.25E+01	0.001	0.002
3.53E+00	2.41E+04	1.55E+02	2.12E+01	0.001	0.002
3.53E+00	2.41E+04	1.55E+02	2.12E+01	0.001	0.002
3.90E+00	2.66E+04	1.71E+02	2.34E+01	0.002	0.002

5.95E+00	4.06E+04	2.62E+02	3.57E+01	0.002	0.003
3.28E+00	2.24E+04	1.44E+02	1.97E+01	0.001	0.001
4.51E+00	3.07E+04	1.98E+02	2.71E+01	0.002	0.002
1.09E+01	7.43E+04	4.79E+02	6.54E+01	0.004	0.005
4.76E+00	3.24E+04	2.09E+02	2.85E+01	0.002	0.002
4.66E+00	3.18E+04	2.05E+02	2.80E+01	0.002	0.002
7.55E+00	5.15E+04	3.32E+02	4.53E+01	0.003	0.003
MEAN OpSOF				0.121	0.152
MAX OpSOF				0.685	0.803

Cs-134	Cs-137	Eu-152	Eu-154
(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)

3.13E+02	2.13E+06	1.38E+04	1.88E+03
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Cs-134	Cs-137	Eu-152	Eu-154	MEAN BcSOF	DOSE
(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)		(mrem/yr)

0.000	0.004	0.000	0.000	0.008	0.206
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0.000	0.004	0.000	0.000	0.010	0.260
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OpSOF <sub>B</sub> CTMT DCGL	OpSOF <sub>B</sub> Limiting DCGL
4.895	14.658
0.677	2.026
0.431	1.291
0.430	1.288
0.378	1.133
0.398	1.191
0.427	1.277
0.490	1.468
0.936	2.803
0.287	0.859
0.357	1.070

MEASUREMENT ID		BETWEEN	
P001	Position #1	CTMT	AUX
P001	Position #2	CTMT	AUX
P001	Position #3	CTMT	AUX
P001	Position #4	CTMT	AUX
P001	Position #5	CTMT	AUX
P086	Position #1	CTMT	AUX
P086	Position #2	CTMT	AUX
P086	Position #3	CTMT	AUX
P086	Position #4	CTMT	AUX
P086	Position #5	CTMT	AUX
P019	Position #1	CTMT	AUX

0.408	1.222
0.497	1.489
1.320	3.953
0.644	1.930
0.375	1.123
0.334	0.999
0.295	0.884
0.730	2.185
0.420	1.258
0.411	1.232
0.381	1.140
0.391	1.172
1.184	3.545
0.019	0.056
0.116	0.347
0.078	0.234
0.856	2.563
0.323	0.966
0.298	0.891
0.309	0.924
0.026	0.076
0.020	0.059
0.025	0.075
0.027	0.081
3.498	10.474
0.692	2.073
0.521	1.560

P019	Position #2	CTMT	AUX
P019	Position #3	CTMT	AUX
P019	Position #4	CTMT	AUX
P019	Position #5	CTMT	AUX
P023	Position #1	CTMT	AUX
P023	Position #2	CTMT	AUX
P023	Position #3	CTMT	AUX
P023	Position #4	CTMT	AUX
P023	Position #5	CTMT	AUX
P088	Position #1	CTMT	AUX
P088	Position #2	CTMT	AUX
P088	Position #3	CTMT	AUX
P088	Position #4	CTMT	AUX
P088	Position #5	CTMT	AUX
P089	Position #1	CTMT	AUX
P089	Position #2	CTMT	AUX
P089	Position #3	CTMT	AUX
P089	Position #4	CTMT	AUX
P089	Position #5	CTMT	AUX
P004	Position #1	CTMT	AUX
P004	Position #2	CTMT	AUX
P004	Position #3	CTMT	AUX
P004	Position #4	CTMT	AUX
P004	Position #5	CTMT	AUX
P042	Position #1	CTMT	AUX
P042	Position #2	CTMT	AUX
P042	Position #3	CTMT	AUX

0.477	1.428
1.394	4.175
0.475	1.421
0.406	1.217
0.500	1.497
2.332	6.985
0.494	1.479
0.371	1.110
0.429	1.285
1.641	4.915
0.536	1.606
0.509	1.524
0.612	1.832
2.214	6.631
0.526	1.575
0.452	1.353
0.517	1.548
3.080	9.223
0.428	1.283
0.294	0.880
0.300	0.900
0.289	0.866
4.094	12.259
0.478	1.430
0.340	1.019
0.325	0.973
0.323	0.968

P042	Position #4	CTMT	AUX
P042	Position #5	CTMT	AUX
P043	Position #1	CTMT	AUX
P043	Position #2	CTMT	AUX
P043	Position #3	CTMT	AUX
P043	Position #4	CTMT	AUX
P043	Position #5	CTMT	AUX
P054	Position #1	CTMT	AUX
P054	Position #2	CTMT	AUX
P054	Position #3	CTMT	AUX
P054	Position #4	CTMT	AUX
P054	Position #5	CTMT	AUX
P081	Position #1	CTMT	AUX
P081	Position #2	CTMT	AUX
P081	Position #3	CTMT	AUX
P081	Position #4	CTMT	AUX
P081	Position #5	CTMT	AUX
P104	By Direct Scan	CTMT	AUX
P022	By Direct Scan	CTMT	AUX
P074	By Direct Scan	CTMT	AUX
P123	Position #1	CTMT	AUX
P123	Position #2	CTMT	AUX
P123	Position #3	CTMT	AUX
P123	Position #4	CTMT	AUX
P123	Position #5	CTMT	AUX
P123	Position #6	CTMT	AUX
P123	Position #7	CTMT	AUX



4.776	14.303
1.573	4.711
2.075	6.215
1.867	5.591
1.573	4.711
2.161	6.470
2.862	8.570
0.339	1.016
0.272	0.814
0.254	0.761
0.279	0.834
2.805	8.400
0.424	1.269
0.360	1.078
0.389	1.164
0.333	0.996
2.285	6.842
0.418	1.251
0.351	1.050
0.368	1.101
0.358	1.071
0.078	0.234
0.017	0.050
0.017	0.050
0.064	0.192
0.048	0.143
0.015	0.044

P123	Position #8	CTMT	AUX
P123	Position #9	CTMT	AUX
P123	Position #10	CTMT	AUX
P123	Position #11	CTMT	AUX
P123	Position #12	CTMT	AUX
P123	Position #13	CTMT	AUX
P123	Position #14	CTMT	AUX
P123	Position #15	CTMT	AUX
P123	Position #16	CTMT	AUX
P123	Position #17	CTMT	AUX
P123	Position #18	CTMT	AUX
P123	Position #19	CTMT	AUX
P123	Position #20	CTMT	AUX
P123	Position #21	CTMT	AUX
P123	Position #22	CTMT	AUX
P123	Position #23	CTMT	AUX
P123	Position #24	CTMT	AUX
P123	Position #25	CTMT	AUX
P123	Position #26	CTMT	AUX
P123	Position #27	CTMT	AUX
P123	Position #28	CTMT	AUX
P123	Position #29	CTMT	AUX
P123	Position #30	CTMT	AUX
P123	Position #31	CTMT	AUX
P123	Position #32	CTMT	AUX
P123	Position #33	CTMT	AUX
P123	Position #34	CTMT	AUX

0.051      0.153

2.772      8.301

1.282      3.840

0.950      2.846

0.925      2.769

0.929      2.783

0.899      2.693

0.878      2.629

0.861      2.578

0.900      2.694

0.868      2.599

0.859      2.572

0.888      2.660

0.890      2.667

0.870      2.605

0.903      2.705

0.864      2.588

0.886      2.652

0.934      2.797

0.907      2.715

0.841      2.519

0.767      2.297

0.772      2.313

0.760      2.277

0.735      2.202

0.762      2.282

0.740      2.217

P123      Position #35      CTMT      AUX

P123      Position #36      CTMT      AUX

P123      Position #37      CTMT      AUX

P123      Position #38      CTMT      AUX

P123      Position #39      CTMT      AUX

P123      Position #40      CTMT      AUX

P123      Position #41      CTMT      AUX

P123      Position #42      CTMT      AUX

P123      Position #43      CTMT      AUX

P123      Position #44      CTMT      AUX

P123      Position #45      CTMT      AUX

P123      Position #46      CTMT      AUX

P123      Position #47      CTMT      AUX

P123      Position #48      CTMT      AUX

P123      Position #49      CTMT      AUX

P123      Position #50      CTMT      AUX

P124      Position #1      CTMT      AUX

P124      Position #2      CTMT      AUX

P124      Position #3      CTMT      AUX

P124      Position #4      CTMT      AUX

P124      Position #5      CTMT      AUX

P124      Position #6      CTMT      AUX

P124      Position #7      CTMT      AUX

P124      Position #8      CTMT      AUX

P124      Position #9      CTMT      AUX

P124      Position #10      CTMT      AUX

P124      Position #11      CTMT      AUX

0.760	2.276
0.763	2.286
0.766	2.295
0.748	2.239
0.748	2.239
0.752	2.252
0.744	2.228
0.743	2.224
0.746	2.234
0.755	2.262
0.751	2.250
0.747	2.236
0.768	2.299
0.743	2.224
0.757	2.266
0.752	2.253
0.756	2.265
0.748	2.241
0.779	2.332
0.752	2.252
0.768	2.299
0.770	2.307
0.745	2.230
0.754	2.258
2.405	7.203
1.287	3.855
0.923	2.765

P124	Position #12	CTMT	AUX
P124	Position #13	CTMT	AUX
P124	Position #14	CTMT	AUX
P124	Position #15	CTMT	AUX
P124	Position #16	CTMT	AUX
P124	Position #17	CTMT	AUX
P124	Position #18	CTMT	AUX
P124	Position #19	CTMT	AUX
P124	Position #20	CTMT	AUX
P124	Position #21	CTMT	AUX
P124	Position #22	CTMT	AUX
P124	Position #23	CTMT	AUX
P124	Position #24	CTMT	AUX
P124	Position #25	CTMT	AUX
P124	Position #26	CTMT	AUX
P124	Position #27	CTMT	AUX
P124	Position #28	CTMT	AUX
P124	Position #29	CTMT	AUX
P124	Position #30	CTMT	AUX
P124	Position #31	CTMT	AUX
P124	Position #32	CTMT	AUX
P124	Position #33	CTMT	AUX
P124	Position #34	CTMT	AUX
P124	Position #35	CTMT	AUX
P124	Position #36	CTMT	AUX
P124	Position #37	CTMT	AUX
P124	Position #38	CTMT	AUX

0.914	2.738
0.907	2.717
0.882	2.641
0.842	2.522
0.838	2.510
0.826	2.472
0.836	2.503
0.809	2.423
0.828	2.479
0.836	2.502
0.821	2.457
0.825	2.472
0.833	2.495
0.838	2.508
0.845	2.530
0.843	2.523
0.799	2.394
0.781	2.338
0.768	2.299
0.738	2.211
0.719	2.154
0.733	2.194
0.735	2.201
0.756	2.264
0.767	2.298
0.748	2.239
0.750	2.245

P124	Position #39	CTMT	AUX
P124	Position #40	CTMT	AUX
P124	Position #41	CTMT	AUX
P124	Position #42	CTMT	AUX
P124	Position #43	CTMT	AUX
P124	Position #44	CTMT	AUX
P124	Position #45	CTMT	AUX
P124	Position #46	CTMT	AUX
P124	Position #47	CTMT	AUX
P124	Position #48	CTMT	AUX
P124	Position #49	CTMT	AUX
P124	Position #50	CTMT	AUX
P037	Position #1	CTMT	AUX
P037	Position #2	CTMT	AUX
P037	Position #3	CTMT	AUX
P037	Position #4	CTMT	AUX
P037	Position #5	CTMT	AUX
P037	Position #6	CTMT	AUX
P037	Position #7	CTMT	AUX
P037	Position #8	CTMT	AUX
P037	Position #9	CTMT	AUX
P037	Position #10	CTMT	AUX
P037	Position #11	CTMT	AUX
P037	Position #12	CTMT	AUX
P037	Position #13	CTMT	AUX
P037	Position #14	CTMT	AUX
P037	Position #15	CTMT	AUX

0.762	2.282
0.760	2.277
0.727	2.176
0.757	2.267
0.758	2.270
0.737	2.207
0.773	2.315
0.748	2.241
0.772	2.311
0.785	2.350
0.775	2.321
0.759	2.274
0.771	2.309
0.769	2.303
0.761	2.279
0.783	2.344
0.787	2.358
0.790	2.365
0.769	2.302
0.803	2.404
2.133	6.387
1.140	3.413
0.914	2.736
0.924	2.767
0.914	2.737
0.920	2.754
0.902	2.701

P037	Position #16	CTMT	AUX
P037	Position #17	CTMT	AUX
P037	Position #18	CTMT	AUX
P037	Position #19	CTMT	AUX
P037	Position #20	CTMT	AUX
P037	Position #21	CTMT	AUX
P037	Position #22	CTMT	AUX
P037	Position #23	CTMT	AUX
P037	Position #24	CTMT	AUX
P037	Position #25	CTMT	AUX
P037	Position #26	CTMT	AUX
P037	Position #27	CTMT	AUX
P037	Position #28	CTMT	AUX
P037	Position #29	CTMT	AUX
P037	Position #30	CTMT	AUX
P037	Position #31	CTMT	AUX
P037	Position #32	CTMT	AUX
P037	Position #33	CTMT	AUX
P037	Position #34	CTMT	AUX
P037	Position #35	CTMT	AUX
P037	Position #36	CTMT	AUX
P037	Position #37	CTMT	AUX
P037	Position #38	CTMT	AUX
P037	Position #39	CTMT	AUX
P037	Position #40	CTMT	AUX
P037	Position #41	CTMT	AUX
P037	Position #42	CTMT	AUX

0.911	2.727
0.925	2.769
0.922	2.760
0.896	2.682
0.898	2.689
0.892	2.672
0.892	2.671
0.887	2.656
0.872	2.610
0.880	2.637
0.870	2.607
0.853	2.553
0.814	2.437
0.795	2.380
0.778	2.329
0.765	2.292
0.745	2.230
0.752	2.253
0.753	2.254
0.781	2.339
0.761	2.279
0.780	2.337
0.767	2.297
0.762	2.282
0.764	2.289
0.750	2.246
0.754	2.258

P037	Position #43	CTMT	AUX
P037	Position #44	CTMT	AUX
P037	Position #45	CTMT	AUX
P037	Position #46	CTMT	AUX
P037	Position #47	CTMT	AUX
P037	Position #48	CTMT	AUX
P037	Position #49	CTMT	AUX
P037	Position #50	CTMT	AUX
P036	Position #1	CTMT	AUX
P036	Position #2	CTMT	AUX
P036	Position #3	CTMT	AUX
P036	Position #4	CTMT	AUX
P036	Position #5	CTMT	AUX
P036	Position #6	CTMT	AUX
P036	Position #7	CTMT	AUX
P036	Position #8	CTMT	AUX
P036	Position #9	CTMT	AUX
P036	Position #10	CTMT	AUX
P036	Position #11	CTMT	AUX
P036	Position #12	CTMT	AUX
P036	Position #13	CTMT	AUX
P036	Position #14	CTMT	AUX
P036	Position #15	CTMT	AUX
P036	Position #16	CTMT	AUX
P036	Position #17	CTMT	AUX
P036	Position #18	CTMT	AUX
P036	Position #19	CTMT	AUX

0.755	2.261
0.764	2.287
0.756	2.264
0.779	2.333
0.768	2.301
0.756	2.264
0.757	2.267
0.775	2.321
0.779	2.333
0.775	2.321
0.779	2.334
0.812	2.431
0.807	2.415
0.792	2.371
0.790	2.367
0.835	2.501
3.222	9.649
4.176	12.506
1.512	4.528
1.158	3.468
1.203	3.602
1.403	4.201
1.410	4.223
1.447	4.334
1.792	5.367
1.731	5.184
1.248	3.738

P036	Position #20	CTMT	AUX
P036	Position #21	CTMT	AUX
P036	Position #22	CTMT	AUX
P036	Position #23	CTMT	AUX
P036	Position #24	CTMT	AUX
P036	Position #25	CTMT	AUX
P036	Position #26	CTMT	AUX
P036	Position #27	CTMT	AUX
P036	Position #28	CTMT	AUX
P036	Position #29	CTMT	AUX
P036	Position #30	CTMT	AUX
P036	Position #31	CTMT	AUX
P036	Position #32	CTMT	AUX
P036	Position #33	CTMT	AUX
P036	Position #34	CTMT	AUX
P036	Position #35	CTMT	AUX
P036	Position #36	CTMT	AUX
P036	Position #37	CTMT	AUX
P036	Position #38	CTMT	AUX
P036	Position #39	CTMT	AUX
P036	Position #40	CTMT	AUX
P036	Position #41	CTMT	AUX
P036	Position #42	CTMT	AUX
P036	Position #43	CTMT	AUX
P036	Position #44	CTMT	AUX
P036	Position #45	CTMT	AUX
P036	Position #46	CTMT	AUX

1.110	3.323
1.071	3.206
1.035	3.100
1.044	3.127
1.058	3.168
1.240	3.713
1.818	5.443
1.392	4.170
1.141	3.417
1.056	3.163
0.938	2.810
0.927	2.776
0.893	2.674
0.867	2.598
0.948	2.839
1.225	3.668
1.065	3.189
1.058	3.170
0.923	2.763
0.872	2.611
0.873	2.615
0.874	2.617
0.877	2.625
0.956	2.864
1.191	3.566
0.998	2.988
0.965	2.889

P036	Position #47	CTMT	AUX
P036	Position #48	CTMT	AUX
P036	Position #49	CTMT	AUX
P036	Position #50	CTMT	AUX
P035	Position #1	CTMT	AUX
P035	Position #2	CTMT	AUX
P035	Position #3	CTMT	AUX
P035	Position #4	CTMT	AUX
P035	Position #5	CTMT	AUX
P035	Position #6	CTMT	AUX
P035	Position #7	CTMT	AUX
P035	Position #8	CTMT	AUX
P035	Position #9	CTMT	AUX
P035	Position #10	CTMT	AUX
P035	Position #11	CTMT	AUX
P035	Position #12	CTMT	AUX
P035	Position #13	CTMT	AUX
P035	Position #14	CTMT	AUX
P035	Position #15	CTMT	AUX
P035	Position #16	CTMT	AUX
P035	Position #17	CTMT	AUX
P035	Position #18	CTMT	AUX
P035	Position #19	CTMT	AUX
P035	Position #20	CTMT	AUX
P035	Position #21	CTMT	AUX
P035	Position #22	CTMT	AUX
P035	Position #23	CTMT	AUX



0.917	2.747
0.921	2.757
0.942	2.821
0.942	2.821
0.954	2.856
0.985	2.951
1.045	3.128
1.521	4.554
1.477	4.425
1.229	3.680
1.173	3.513
1.287	3.855
1.021	3.058
2.707	8.106
1.225	3.668
0.972	2.911
1.001	2.996
0.991	2.967
0.952	2.850
0.932	2.792
0.989	2.961
1.058	3.167
0.961	2.877
0.918	2.748
0.942	2.821
0.930	2.786
0.943	2.825

P035	Position #24	CTMT	AUX
P035	Position #25	CTMT	AUX
P035	Position #26	CTMT	AUX
P035	Position #27	CTMT	AUX
P035	Position #28	CTMT	AUX
P035	Position #29	CTMT	AUX
P035	Position #30	CTMT	AUX
P035	Position #31	CTMT	AUX
P035	Position #32	CTMT	AUX
P035	Position #33	CTMT	AUX
P035	Position #34	CTMT	AUX
P035	Position #35	CTMT	AUX
P035	Position #36	CTMT	AUX
P035	Position #37	CTMT	AUX
P035	Position #38	CTMT	AUX
P035	Position #39	CTMT	AUX
P035	Position #40	CTMT	AUX
P035	Position #41	CTMT	AUX
P035	Position #42	CTMT	AUX
P035	Position #43	CTMT	AUX
P035	Position #44	CTMT	AUX
P035	Position #45	CTMT	AUX
P035	Position #46	CTMT	AUX
P035	Position #47	CTMT	AUX
P035	Position #48	CTMT	AUX
P035	Position #49	CTMT	AUX
P035	Position #50	CTMT	AUX

0.953	2.855
0.974	2.916
1.118	3.350
1.184	3.546
1.018	3.049
0.975	2.920
1.035	3.100
0.960	2.874
0.860	2.576
0.851	2.547
0.846	2.533
1.154	3.456
1.453	4.351
0.953	2.854
0.855	2.561
0.837	2.506
0.815	2.439
0.827	2.478
0.860	2.575
0.970	2.905
1.609	4.817
1.856	5.559
1.470	4.402
1.077	3.224
0.952	2.850
0.868	2.600
0.852	2.551

P035	Position #51	CTMT	AUX
P003	Position #1	CTMT	AUX
P003	Position #2	CTMT	AUX
P003	Position #3	CTMT	AUX
P050	Position #1	CTMT	AUX
P050	Position #2	CTMT	AUX
P050	Position #3	CTMT	AUX
P087	Position #1	CTMT	AUX
P087	Position #2	CTMT	AUX
P087	Position #3	CTMT	AUX
P064	Position #1	CTMT	AUX
P064	Position #2	CTMT	AUX
P064	Position #3	CTMT	AUX
P018	By Direct Scan	CTMT	AUX
P090	By Direct Scan	CTMT	AUX
P020	By Direct Scan	CTMT	AUX
P021	By Direct Scan	CTMT	AUX
P067	By Direct Scan	CTMT	AUX
P073	By Direct Scan	CTMT	AUX
P105	By Direct Scan	CTMT	AUX
P068	By Direct Scan	CTMT	AUX
P070	By Direct Scan	CTMT	AUX
P069	By Direct Scan	CTMT	AUX
P066	By Direct Scan	CTMT	AUX
P017	By Direct Scan	CTMT	AUX
P103	Position #1	CTMT	AUX
P103	Position #2	CTMT	AUX

0.859	2.571
0.969	2.901
1.653	4.950
1.383	4.141
1.021	3.056
1.000	2.994
1.092	3.271
1.381	4.136
1.314	3.936

0.016	0.049
0.022	0.066
0.031	0.092
0.046	0.138
0.044	0.133
0.025	0.075
0.029	0.088
0.016	0.047
0.011	0.034
0.016	0.047
0.011	0.032
0.013	0.040
0.012	0.036
0.014	0.042
0.010	0.031
0.010	0.029
0.010	0.029
0.011	0.032

P103	Position #3	CTMT	AUX
P103	Position #4	CTMT	AUX
P103	Position #5	CTMT	AUX
P056	Position #1	CTMT	AUX
P056	Position #2	CTMT	AUX
P056	Position #3	CTMT	AUX
P056	Position #4	CTMT	AUX
P056	Position #5	CTMT	AUX
P012	By Direct Scan	CTMT	AUX
P273	By Direct Scan	CTMT	AUX
P218	By Direct Scan	CTMT	AUX
P254	Position #1	CTMT	AUX
P254	Position #2	CTMT	AUX
P254	Position #3	CTMT	AUX
P254	Position #4	CTMT	AUX
P217	By Direct Scan	CTMT	AUX
P221	By Direct Scan	CTMT	AUX
P290	By Direct Scan	CTMT	AUX
P305	By Direct Scan	CTMT	AUX
P286	Position #1	CTMT	AUX
P286	Position #2	CTMT	AUX
P286	Position #3	CTMT	AUX
P286	Position #4	CTMT	AUX
P289	Position #1	CTMT	AUX
P289	Position #2	CTMT	AUX
P289	Position #3	CTMT	AUX
P289	Position #4	CTMT	AUX

0.016	0.049	P288	Position #1	CTMT	AUX
0.009	0.027	P288	Position #2	CTMT	AUX
0.012	0.037	P288	Position #3	CTMT	AUX
0.030	0.090	P288	Position #4	CTMT	AUX
0.013	0.039	P219	Position #1	CTMT	AUX
0.013	0.039	P219	Position #2	CTMT	AUX
0.021	0.063	P219	Position #3	CTMT	AUX
		P219	Position #4	CTMT	AUX
		P223	Position #1	CTMT	AUX
		P223	Position #2	CTMT	AUX
		P223	Position #3	CTMT	AUX
		P223	Position #4	CTMT	AUX
		P281	Position #1	CTMT	AUX
		P281	Position #2	CTMT	AUX
		P281	Position #3	CTMT	AUX
		P281	Position #4	CTMT	AUX
		P281	Position #5	CTMT	AUX
		P243	Position #1	CTMT	AUX
		P243	Position #2	CTMT	AUX
		P243	Position #3	CTMT	AUX
		P243	Position #4	CTMT	AUX
		P243	Position #5	CTMT	AUX
		P303	Position #1	CTMT	AUX
		P303	Position #2	CTMT	AUX
		P303	Position #3	CTMT	AUX
		P303	Position #4	CTMT	AUX
		P303	Position #5	CTMT	AUX

P303	Position #6	CTMT	AUX
P256	Position #1	CTMT	AUX
P256	Position #2	CTMT	AUX
P256	Position #3	CTMT	AUX
P256	Position #4	CTMT	AUX
P256	Position #5	CTMT	AUX
P204	Position #1	CTMT	AUX
P204	Position #2	CTMT	AUX
P204	Position #3	CTMT	AUX
P204	Position #4	CTMT	AUX
P204	Position #5	CTMT	AUX
P242	Position #1	CTMT	AUX
P242	Position #2	CTMT	AUX
P242	Position #3	CTMT	AUX
P242	Position #4	CTMT	AUX
P242	Position #5	CTMT	AUX
P266	By Direct Scan	CTMT	AUX
P269	By Direct Scan	CTMT	AUX
P274	By Direct Scan	CTMT	AUX
P270	By Direct Scan	CTMT	AUX
P268	By Direct Scan	CTMT	AUX
P222	By Direct Scan	CTMT	AUX
P304	By Direct Scan	CTMT	AUX
P237	Position #1	CTMT	AUX
P237	Position #2	CTMT	AUX
P237	Position #3	CTMT	AUX
P237	Position #4	CTMT	AUX

P237	Position #5	CTMT	AUX
P237	Position #6	CTMT	AUX
P237	Position #7	CTMT	AUX
P237	Position #8	CTMT	AUX
P237	Position #9	CTMT	AUX
P237	Position #10	CTMT	AUX
P237	Position #11	CTMT	AUX
P237	Position #12	CTMT	AUX
P237	Position #13	CTMT	AUX
P237	Position #14	CTMT	AUX
P237	Position #15	CTMT	AUX
P237	Position #16	CTMT	AUX
P237	Position #17	CTMT	AUX
P237	Position #18	CTMT	AUX
P237	Position #19	CTMT	AUX
P237	Position #20	CTMT	AUX
P237	Position #21	CTMT	AUX
P237	Position #22	CTMT	AUX
P237	Position #23	CTMT	AUX
P237	Position #24	CTMT	AUX
P237	Position #25	CTMT	AUX
P237	Position #26	CTMT	AUX
P237	Position #27	CTMT	AUX
P237	Position #28	CTMT	AUX
P237	Position #29	CTMT	AUX
P237	Position #30	CTMT	AUX
P237	Position #31	CTMT	AUX

P237	Position #32	CTMT	AUX
P237	Position #33	CTMT	AUX
P237	Position #34	CTMT	AUX
P237	Position #35	CTMT	AUX
P237	Position #36	CTMT	AUX
P237	Position #37	CTMT	AUX
P237	Position #38	CTMT	AUX
P237	Position #39	CTMT	AUX
P237	Position #40	CTMT	AUX
P237	Position #41	CTMT	AUX
P237	Position #42	CTMT	AUX
P237	Position #43	CTMT	AUX
P237	Position #44	CTMT	AUX
P237	Position #45	CTMT	AUX
P237	Position #46	CTMT	AUX
P237	Position #47	CTMT	AUX
P237	Position #48	CTMT	AUX
P237	Position #49	CTMT	AUX
P237	Position #50	CTMT	AUX
P236	Position #1	CTMT	AUX
P236	Position #2	CTMT	AUX
P236	Position #3	CTMT	AUX
P236	Position #4	CTMT	AUX
P236	Position #5	CTMT	AUX
P236	Position #6	CTMT	AUX
P236	Position #7	CTMT	AUX
P236	Position #8	CTMT	AUX

P236	Position #9	CTMT	AUX
P236	Position #10	CTMT	AUX
P236	Position #11	CTMT	AUX
P236	Position #12	CTMT	AUX
P236	Position #13	CTMT	AUX
P236	Position #14	CTMT	AUX
P236	Position #15	CTMT	AUX
P236	Position #16	CTMT	AUX
P236	Position #17	CTMT	AUX
P236	Position #18	CTMT	AUX
P236	Position #19	CTMT	AUX
P236	Position #20	CTMT	AUX
P236	Position #21	CTMT	AUX
P236	Position #22	CTMT	AUX
P236	Position #23	CTMT	AUX
P236	Position #24	CTMT	AUX
P236	Position #25	CTMT	AUX
P236	Position #26	CTMT	AUX
P236	Position #27	CTMT	AUX
P236	Position #28	CTMT	AUX
P236	Position #29	CTMT	AUX
P236	Position #30	CTMT	AUX
P236	Position #31	CTMT	AUX
P236	Position #32	CTMT	AUX
P236	Position #33	CTMT	AUX
P236	Position #34	CTMT	AUX
P236	Position #35	CTMT	AUX



P236	Position #36	CTMT	AUX
P236	Position #37	CTMT	AUX
P236	Position #38	CTMT	AUX
P236	Position #39	CTMT	AUX
P236	Position #40	CTMT	AUX
P236	Position #41	CTMT	AUX
P236	Position #42	CTMT	AUX
P236	Position #43	CTMT	AUX
P236	Position #44	CTMT	AUX
P236	Position #45	CTMT	AUX
P236	Position #46	CTMT	AUX
P236	Position #47	CTMT	AUX
P236	Position #48	CTMT	AUX
P236	Position #49	CTMT	AUX
P236	Position #50	CTMT	AUX
P235	Position #1	CTMT	AUX
P235	Position #2	CTMT	AUX
P235	Position #3	CTMT	AUX
P235	Position #4	CTMT	AUX
P235	Position #5	CTMT	AUX
P235	Position #6	CTMT	AUX
P235	Position #7	CTMT	AUX
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P235	Position #9	CTMT	AUX
P235	Position #10	CTMT	AUX
P235	Position #11	CTMT	AUX
P235	Position #12	CTMT	AUX

P235	Position #13	CTMT	AUX
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P235	Position #16	CTMT	AUX
P235	Position #17	CTMT	AUX
P235	Position #18	CTMT	AUX
P235	Position #19	CTMT	AUX
P235	Position #20	CTMT	AUX
P235	Position #21	CTMT	AUX
P235	Position #22	CTMT	AUX
P235	Position #23	CTMT	AUX
P235	Position #24	CTMT	AUX
P235	Position #25	CTMT	AUX
P235	Position #26	CTMT	AUX
P235	Position #27	CTMT	AUX
P235	Position #28	CTMT	AUX
P235	Position #29	CTMT	AUX
P235	Position #30	CTMT	AUX
P235	Position #31	CTMT	AUX
P235	Position #32	CTMT	AUX
P235	Position #33	CTMT	AUX
P235	Position #34	CTMT	AUX
P235	Position #35	CTMT	AUX
P235	Position #36	CTMT	AUX
P235	Position #37	CTMT	AUX
P235	Position #38	CTMT	AUX
P235	Position #39	CTMT	AUX

P235	Position #40	CTMT	AUX
P235	Position #41	CTMT	AUX
P235	Position #42	CTMT	AUX
P235	Position #43	CTMT	AUX
P235	Position #44	CTMT	AUX
P235	Position #45	CTMT	AUX
P235	Position #46	CTMT	AUX
P235	Position #47	CTMT	AUX
P235	Position #48	CTMT	AUX
P235	Position #49	CTMT	AUX
P235	Position #50	CTMT	AUX
P323	Position #1	CTMT	AUX
P323	Position #2	CTMT	AUX
P323	Position #3	CTMT	AUX
P323	Position #4	CTMT	AUX
P323	Position #5	CTMT	AUX
P323	Position #6	CTMT	AUX
P323	Position #7	CTMT	AUX
P323	Position #8	CTMT	AUX
P323	Position #9	CTMT	AUX
P323	Position #10	CTMT	AUX
P323	Position #11	CTMT	AUX
P323	Position #12	CTMT	AUX
P323	Position #13	CTMT	AUX
P323	Position #14	CTMT	AUX
P323	Position #15	CTMT	AUX
P323	Position #16	CTMT	AUX

P323	Position #17	CTMT	AUX
P323	Position #18	CTMT	AUX
P323	Position #19	CTMT	AUX
P323	Position #20	CTMT	AUX
P323	Position #21	CTMT	AUX
P323	Position #22	CTMT	AUX
P323	Position #23	CTMT	AUX
P323	Position #24	CTMT	AUX
P323	Position #25	CTMT	AUX
P323	Position #26	CTMT	AUX
P323	Position #27	CTMT	AUX
P323	Position #28	CTMT	AUX
P323	Position #29	CTMT	AUX
P323	Position #30	CTMT	AUX
P323	Position #31	CTMT	AUX
P323	Position #32	CTMT	AUX
P323	Position #33	CTMT	AUX
P323	Position #34	CTMT	AUX
P323	Position #35	CTMT	AUX
P323	Position #36	CTMT	AUX
P323	Position #37	CTMT	AUX
P323	Position #38	CTMT	AUX
P323	Position #39	CTMT	AUX
P323	Position #40	CTMT	AUX
P323	Position #41	CTMT	AUX
P323	Position #42	CTMT	AUX
P323	Position #43	CTMT	AUX

P323	Position #44	CTMT	AUX
P323	Position #45	CTMT	AUX
P323	Position #46	CTMT	AUX
P323	Position #47	CTMT	AUX
P323	Position #48	CTMT	AUX
P323	Position #49	CTMT	AUX
P323	Position #50	CTMT	AUX
P323	Position #1	CTMT	AUX
P324	Position #1	CTMT	AUX
P324	Position #2	CTMT	AUX
P324	Position #3	CTMT	AUX
P324	Position #4	CTMT	AUX
P324	Position #5	CTMT	AUX
P324	Position #6	CTMT	AUX
P324	Position #7	CTMT	AUX
P324	Position #8	CTMT	AUX
P324	Position #9	CTMT	AUX
P324	Position #10	CTMT	AUX
P324	Position #11	CTMT	AUX
P324	Position #12	CTMT	AUX
P324	Position #13	CTMT	AUX
P324	Position #14	CTMT	AUX
P324	Position #15	CTMT	AUX
P324	Position #16	CTMT	AUX
P324	Position #17	CTMT	AUX
P324	Position #18	CTMT	AUX
P324	Position #19	CTMT	AUX

P324	Position #20	CTMT	AUX
P324	Position #21	CTMT	AUX
P324	Position #22	CTMT	AUX
P324	Position #23	CTMT	AUX
P324	Position #24	CTMT	AUX
P324	Position #25	CTMT	AUX
P324	Position #26	CTMT	AUX
P324	Position #27	CTMT	AUX
P324	Position #28	CTMT	AUX
P324	Position #29	CTMT	AUX
P324	Position #30	CTMT	AUX
P324	Position #31	CTMT	AUX
P324	Position #32	CTMT	AUX
P324	Position #33	CTMT	AUX
P324	Position #34	CTMT	AUX
P324	Position #35	CTMT	AUX
P324	Position #36	CTMT	AUX
P324	Position #37	CTMT	AUX
P324	Position #38	CTMT	AUX
P324	Position #39	CTMT	AUX
P324	Position #40	CTMT	AUX
P324	Position #41	CTMT	AUX
P324	Position #42	CTMT	AUX
P324	Position #43	CTMT	AUX
P324	Position #44	CTMT	AUX
P324	Position #45	CTMT	AUX
P324	Position #46	CTMT	AUX

P324	Position #47	CTMT	AUX
P324	Position #48	CTMT	AUX
P324	Position #49	CTMT	AUX
P324	Position #50	CTMT	AUX
P220	By Direct Scan	CTMT	AUX
A007	Position#1	AUX	TB
A007	Position#2	AUX	TB
A007	Position#3	AUX	TB
A008	Position#1	AUX	TB
A008	Position#2	AUX	TB
A008	Position#3	AUX	TB
A009	Position#1	AUX	TB
A009	Position#2	AUX	TB
A009	Position#3	AUX	TB
A002	Position#1	AUX	TB
A002	Position#2	AUX	TB
A002	Position#3	AUX	TB
A003	Position#1	AUX	TB
A003	Position#2	AUX	TB
A003	Position#3	AUX	TB
A013	Position#1	AUX	TB
A013	Position#2	AUX	TB
A013	Position#3	AUX	TB
A011	Position#1	AUX	TB
A011	Position#2	AUX	TB
A011	Position#3	AUX	TB
A012	Position#1	AUX	TB

A012	Position#2	AUX	TB
A012	Position#3	AUX	TB
A019	Position#1	AUX	TB
A019	Position#2	AUX	TB
A019	Position#3	AUX	TB
A015	Position#1	AUX	TB
A015	Position#2	AUX	TB
A015	Position#3	AUX	TB
A005	Position#1	AUX	TB
A005	Position#2	AUX	TB
A005	Position#3	AUX	TB
A020	Position#1	AUX	TB
A020	Position#2	AUX	TB
A020	Position#3	AUX	TB
A021	Position#1	AUX	TB
A021	Position#2	AUX	TB
A021	Position#3	AUX	TB
A022	Position#1	AUX	TB
A022	Position#2	AUX	TB
A022	Position#3	AUX	TB
A023	Position#1	AUX	TB
A023	Position#2	AUX	TB
A023	Position#3	AUX	TB
A017	Position#1	AUX	TB
A017	Position#2	AUX	TB
A017	Position#3	AUX	TB
A010	Position#1	AUX	TB



A010	Position#2	AUX	TB
A010	Position#3	AUX	TB
A001	Position #1	AUX	TB
A001	Position #2	AUX	TB
A001	Position #3	AUX	TB
A014	Position #1	AUX	TB
A014	Position #2	AUX	TB
A014	Position #3	AUX	TB
A004	Position #1	AUX	TB
A004	Position #2	AUX	TB
A004	Position #3	AUX	TB
A024	Position #1	AUX	TB
A024	Position #2	AUX	TB
A024	Position #3	AUX	TB
A025	Position #1	AUX	TB
A025	Position #2	AUX	TB
A025	Position #3	AUX	TB

**MEAN CONCEN**

**MEAN BcSOF -**

**MEAN BcSOF - Most Li**

Survey Unit Area  
Elevated Area

MEASUREMENT ID		BETWEEN	
P123	Position #1	CTMT	AUX
			Li
P123	Position #2	CTMT	AUX
			Li
P123	Position #3	CTMT	AUX
			Li
P123	Position #4	CTMT	AUX
			Li
P123	Position #5	CTMT	AUX
			Li
P123	Position #6	CTMT	AUX
			Li
P123	Position #7	CTMT	AUX

				Li
P123	Position #8	CTMT	AUX	
				Li
P123	Position #9	CTMT	AUX	
				Li
P123	Position #10	CTMT	AUX	
				Li
P123	Position #11	CTMT	AUX	
				Li
P123	Position #12	CTMT	AUX	
				Li
P123	Position #13	CTMT	AUX	
				Li
P123	Position #14	CTMT	AUX	
				Li
P123	Position #15	CTMT	AUX	
				Li
P123	Position #16	CTMT	AUX	

				Li
P123	Position #17	CTMT	AUX	
				Li
P123	Position #18	CTMT	AUX	
				Li
P123	Position #19	CTMT	AUX	
				Li
P123	Position #20	CTMT	AUX	
				Li
P123	Position #21	CTMT	AUX	
				Li
P123	Position #22	CTMT	AUX	
				Li
P123	Position #23	CTMT	AUX	
				Li
P124	Position #1	CTMT	AUX	
				Li
P124	Position #2	CTMT	AUX	

				Li
P124	Position #3	CTMT	AUX	
				Li
P124	Position #4	CTMT	AUX	
				Li
P124	Position #5	CTMT	AUX	
				Li
P124	Position #6	CTMT	AUX	
				Li
P124	Position #7	CTMT	AUX	
				Li
P124	Position #8	CTMT	AUX	
				Li
P124	Position #9	CTMT	AUX	
				Li
P124	Position #10	CTMT	AUX	
				Li
P124	Position #11	CTMT	AUX	

				Li
P124	Position #12	CTMT	AUX	
				Li
P124	Position #13	CTMT	AUX	
				Li
P124	Position #14	CTMT	AUX	
				Li
P124	Position #15	CTMT	AUX	
				Li
P124	Position #16	CTMT	AUX	
				Li
P124	Position #17	CTMT	AUX	
				Li
P124	Position #18	CTMT	AUX	
				Li
P124	Position #19	CTMT	AUX	
				Li
P021	By Direct Scan	CTMT	AUX	

Li

## AUXILIARY BUILDING PENETRA

END STATE	H-3 <sup>(1)</sup> (pCi/m2)	Co-60 <sup>(2)</sup> (pCi/m2)	Ni-63 <sup>(1)</sup> (pCi/m2)	Sr-90 <sup>(1)</sup> (pCi/m2)	Cs-134 <sup>(2)</sup> (pCi/m2)
Removed	1.06E+07	4.18E+05	1.85E+08	1.27E+05	8.86E+02
Removed	2.96E+06	1.16E+05	5.14E+07	3.53E+04	2.46E+02
Removed	1.77E+06	6.98E+04	3.08E+07	2.12E+04	1.48E+02
Removed	1.62E+06	6.37E+04	2.82E+07	1.93E+04	1.35E+02
Removed	3.08E+06	1.21E+05	5.35E+07	3.67E+04	2.56E+02
Removed	2.48E+06	9.77E+04	4.32E+07	2.96E+04	2.07E+02
Removed	7.87E+06	3.10E+05	1.37E+08	9.39E+04	6.56E+02
Removed	2.06E+06	8.11E+04	3.58E+07	2.46E+04	1.72E+02
Removed	1.51E+06	5.93E+04	2.62E+07	1.80E+04	1.26E+02
Removed	1.62E+06	6.38E+04	2.82E+07	1.94E+04	1.35E+02
Removed	7.00E+06	2.75E+05	1.22E+08	8.35E+04	5.83E+02



Removed	2.13E+06	8.39E+04	3.71E+07	2.54E+04	1.78E+02
Removed	1.48E+06	5.83E+04	2.58E+07	1.77E+04	1.23E+02
Removed	1.38E+06	5.42E+04	2.39E+07	1.64E+04	1.15E+02
Removed	1.53E+06	6.03E+04	2.66E+07	1.83E+04	1.28E+02
Removed	9.94E+06	3.91E+05	1.73E+08	1.19E+05	8.28E+02
Removed	2.39E+06	9.41E+04	4.16E+07	2.85E+04	1.99E+02
Removed	1.57E+06	6.18E+04	2.73E+07	1.87E+04	1.31E+02
Removed	1.51E+06	5.94E+04	2.63E+07	1.80E+04	1.26E+02
Removed	1.94E+06	7.63E+04	3.37E+07	2.31E+04	1.62E+02
Removed	6.16E+06	2.42E+05	1.07E+08	7.34E+04	5.13E+02
Removed	2.02E+06	7.94E+04	3.51E+07	2.41E+04	1.68E+02
Removed	1.58E+06	6.21E+04	2.74E+07	1.88E+04	1.32E+02
Removed	1.47E+06	5.77E+04	2.55E+07	1.75E+04	1.22E+02
Removed	1.74E+06	6.86E+04	3.03E+07	2.08E+04	1.45E+02
Removed	8.09E+06	3.18E+05	1.41E+08	9.66E+04	6.75E+02
Removed	2.83E+06	1.11E+05	4.92E+07	3.37E+04	2.36E+02
Removed	1.87E+06	7.37E+04	3.26E+07	2.24E+04	1.56E+02
Removed	1.62E+06	6.36E+04	2.81E+07	1.93E+04	1.35E+02
Removed	2.16E+06	8.52E+04	3.76E+07	2.58E+04	1.80E+02
Removed	8.59E+06	3.38E+05	1.49E+08	1.02E+05	7.16E+02
Removed	1.75E+06	6.89E+04	3.04E+07	2.09E+04	1.46E+02
Removed	1.54E+06	6.06E+04	2.68E+07	1.84E+04	1.28E+02
Removed	1.60E+06	6.29E+04	2.78E+07	1.91E+04	1.33E+02
Removed	1.79E+06	7.05E+04	3.12E+07	2.14E+04	1.49E+02
Removed	8.00E+06	3.15E+05	1.39E+08	9.54E+04	6.66E+02
Removed	2.95E+06	1.16E+05	5.14E+07	3.53E+04	2.46E+02
Removed	2.69E+06	1.06E+05	4.68E+07	3.21E+04	2.24E+02

Removed	1.55E+06	6.09E+04	2.69E+07	1.85E+04	1.29E+02
Removed	3.18E+06	1.25E+05	5.52E+07	3.79E+04	2.65E+02
Removed	8.10E+06	3.18E+05	1.41E+08	9.66E+04	6.75E+02
Removed	1.96E+06	7.69E+04	3.40E+07	2.33E+04	1.63E+02
Removed	2.04E+06	8.03E+04	3.55E+07	2.44E+04	1.70E+02
Removed	2.29E+06	9.00E+04	3.98E+07	2.73E+04	1.91E+02
Removed	3.83E+06	1.51E+05	6.67E+07	4.57E+04	3.20E+02
Removed	7.30E+06	2.87E+05	1.27E+08	8.71E+04	6.08E+02
Removed	1.66E+06	6.55E+04	2.89E+07	1.99E+04	1.39E+02
Removed	1.73E+06	6.82E+04	3.01E+07	2.07E+04	1.45E+02
Removed	2.06E+06	8.09E+04	3.57E+07	2.45E+04	1.71E+02
Removed	2.19E+06	8.60E+04	3.80E+07	2.61E+04	1.82E+02
Removed	6.20E+06	2.44E+05	1.08E+08	7.40E+04	5.17E+02
Removed	1.87E+06	7.36E+04	3.25E+07	2.23E+04	1.56E+02
Removed	1.79E+06	7.03E+04	3.11E+07	2.13E+04	1.49E+02
Removed	1.85E+06	7.26E+04	3.21E+07	2.20E+04	1.54E+02
Removed	2.62E+06	1.03E+05	4.56E+07	3.13E+04	2.19E+02
Removed	1.08E+05	4.26E+03	1.88E+06	1.29E+03	9.03E+00
Removed	1.03E+06	4.07E+04	1.80E+07	1.23E+04	8.62E+01
Removed	9.40E+04	3.70E+03	1.63E+06	1.12E+03	7.83E+00
Grouted	2.13E+08	8.37E+06	3.70E+09	2.54E+06	1.77E+04
Grouted	2.42E+08	9.53E+06	4.21E+09	2.89E+06	2.02E+04
Grouted	2.67E+08	1.05E+07	4.63E+09	3.18E+06	2.22E+04
Grouted	2.58E+08	1.01E+07	4.48E+09	3.07E+06	2.15E+04
Grouted	2.37E+08	9.31E+06	4.11E+09	2.82E+06	1.97E+04
Grouted	2.10E+08	8.25E+06	3.65E+09	2.50E+06	1.75E+04
Grouted	1.96E+08	7.71E+06	3.41E+09	2.34E+06	1.63E+04

Grouted	1.83E+08	7.21E+06	3.19E+09	2.19E+06	1.53E+04
Grouted	1.73E+08	6.80E+06	3.01E+09	2.06E+06	1.44E+04
Grouted	1.84E+08	7.26E+06	3.21E+09	2.20E+06	1.54E+04
Grouted	1.93E+08	7.61E+06	3.36E+09	2.31E+06	1.61E+04
Grouted	1.93E+08	7.60E+06	3.36E+09	2.30E+06	1.61E+04
Grouted	2.03E+08	7.99E+06	3.53E+09	2.42E+06	1.69E+04
Grouted	1.81E+08	7.13E+06	3.15E+09	2.16E+06	1.51E+04
Grouted	1.41E+08	5.54E+06	2.45E+09	1.68E+06	1.17E+04
Grouted	1.19E+08	4.68E+06	2.07E+09	1.42E+06	9.92E+03
Grouted	1.11E+08	4.37E+06	1.93E+09	1.32E+06	9.25E+03
Grouted	1.07E+08	4.21E+06	1.86E+09	1.28E+06	8.93E+03
Grouted	1.11E+08	4.35E+06	1.92E+09	1.32E+06	9.22E+03
Grouted	8.98E+07	3.53E+06	1.56E+09	1.07E+06	7.48E+03
Grouted	6.62E+07	2.61E+06	1.15E+09	7.90E+05	5.52E+03
Grouted	5.80E+07	2.28E+06	1.01E+09	6.92E+05	4.83E+03
Grouted	4.22E+07	1.66E+06	7.34E+08	5.04E+05	3.52E+03
Grouted	2.32E+07	9.14E+05	4.04E+08	2.77E+05	1.94E+03
Grouted	1.82E+07	7.14E+05	3.16E+08	2.17E+05	1.51E+03
Grouted	1.51E+07	5.93E+05	2.62E+08	1.80E+05	1.26E+03
Grouted	1.50E+07	5.89E+05	2.60E+08	1.79E+05	1.25E+03
Grouted	1.17E+07	4.60E+05	2.03E+08	1.39E+05	9.74E+02
Grouted	8.87E+06	3.49E+05	1.54E+08	1.06E+05	7.40E+02
Grouted	7.70E+06	3.03E+05	1.34E+08	9.19E+04	6.42E+02
Grouted	7.24E+06	2.85E+05	1.26E+08	8.64E+04	6.04E+02
Grouted	6.98E+06	2.75E+05	1.21E+08	8.33E+04	5.82E+02
Grouted	7.33E+06	2.89E+05	1.28E+08	8.75E+04	6.11E+02
Grouted	8.01E+06	3.15E+05	1.39E+08	9.55E+04	6.67E+02

Grouted	9.98E+06	3.93E+05	1.74E+08	1.19E+05	8.32E+02
Grouted	8.07E+06	3.18E+05	1.40E+08	9.63E+04	6.73E+02
Grouted	7.91E+06	3.11E+05	1.38E+08	9.44E+04	6.60E+02
Grouted	6.59E+06	2.59E+05	1.15E+08	7.86E+04	5.49E+02
Grouted	6.09E+06	2.40E+05	1.06E+08	7.27E+04	5.08E+02
Grouted	6.10E+06	2.40E+05	1.06E+08	7.28E+04	5.08E+02
Grouted	6.30E+06	2.48E+05	1.10E+08	7.52E+04	5.25E+02
Grouted	6.92E+06	2.72E+05	1.20E+08	8.25E+04	5.77E+02
Grouted	6.83E+06	2.69E+05	1.19E+08	8.15E+04	5.69E+02
Grouted	9.49E+06	3.73E+05	1.65E+08	1.13E+05	7.91E+02
Grouted	6.67E+06	2.62E+05	1.16E+08	7.96E+04	5.56E+02
Grouted	5.93E+06	2.33E+05	1.03E+08	7.08E+04	4.95E+02
Grouted	6.15E+06	2.42E+05	1.07E+08	7.34E+04	5.12E+02
Grouted	7.26E+06	2.85E+05	1.26E+08	8.66E+04	6.05E+02
Grouted	6.83E+06	2.69E+05	1.19E+08	8.15E+04	5.69E+02
Grouted	6.54E+06	2.57E+05	1.14E+08	7.81E+04	5.45E+02
Grouted	8.20E+07	3.23E+06	1.43E+09	9.79E+05	6.84E+03
Grouted	6.80E+07	2.68E+06	1.18E+09	8.11E+05	5.67E+03
Grouted	7.10E+07	2.80E+06	1.24E+09	8.48E+05	5.92E+03
Grouted	7.18E+07	2.83E+06	1.25E+09	8.57E+05	5.99E+03
Grouted	7.08E+07	2.79E+06	1.23E+09	8.45E+05	5.90E+03
Grouted	6.72E+07	2.64E+06	1.17E+09	8.02E+05	5.60E+03
Grouted	5.96E+07	2.35E+06	1.04E+09	7.12E+05	4.97E+03
Grouted	5.76E+07	2.27E+06	1.00E+09	6.87E+05	4.80E+03
Grouted	5.79E+07	2.28E+06	1.01E+09	6.91E+05	4.83E+03
Grouted	5.90E+07	2.32E+06	1.03E+09	7.04E+05	4.92E+03
Grouted	6.11E+07	2.40E+06	1.06E+09	7.29E+05	5.09E+03

Grouted	6.22E+07	2.45E+06	1.08E+09	7.42E+05	5.18E+03
Grouted	6.30E+07	2.48E+06	1.09E+09	7.51E+05	5.25E+03
Grouted	6.56E+07	2.58E+06	1.14E+09	7.82E+05	5.47E+03
Grouted	6.30E+07	2.48E+06	1.10E+09	7.52E+05	5.25E+03
Grouted	5.04E+07	1.98E+06	8.76E+08	6.01E+05	4.20E+03
Grouted	4.42E+07	1.74E+06	7.69E+08	5.28E+05	3.69E+03
Grouted	4.10E+07	1.61E+06	7.13E+08	4.89E+05	3.42E+03
Grouted	3.55E+07	1.40E+06	6.17E+08	4.24E+05	2.96E+03
Grouted	2.94E+07	1.16E+06	5.11E+08	3.50E+05	2.45E+03
Grouted	2.45E+07	9.65E+05	4.27E+08	2.93E+05	2.05E+03
Grouted	1.98E+07	7.77E+05	3.43E+08	2.36E+05	1.65E+03
Grouted	1.41E+07	5.53E+05	2.45E+08	1.68E+05	1.17E+03
Grouted	1.03E+07	4.06E+05	1.79E+08	1.23E+05	8.60E+02
Grouted	8.12E+06	3.19E+05	1.41E+08	9.68E+04	6.76E+02
Grouted	7.94E+06	3.12E+05	1.38E+08	9.47E+04	6.61E+02
Grouted	6.81E+06	2.68E+05	1.18E+08	8.13E+04	5.68E+02
Grouted	6.35E+06	2.50E+05	1.10E+08	7.58E+04	5.29E+02
Grouted	5.84E+06	2.30E+05	1.02E+08	6.97E+04	4.87E+02
Grouted	5.60E+06	2.20E+05	9.73E+07	6.68E+04	4.67E+02
Grouted	5.62E+06	2.21E+05	9.77E+07	6.70E+04	4.68E+02
Grouted	5.32E+06	2.09E+05	9.25E+07	6.35E+04	4.43E+02
Grouted	5.28E+06	2.08E+05	9.17E+07	6.30E+04	4.40E+02
Grouted	5.27E+06	2.07E+05	9.16E+07	6.28E+04	4.39E+02
Grouted	5.86E+06	2.31E+05	1.02E+08	6.99E+04	4.88E+02
Grouted	5.28E+06	2.08E+05	9.18E+07	6.30E+04	4.40E+02
Grouted	4.97E+06	1.96E+05	8.64E+07	5.93E+04	4.14E+02
Grouted	4.83E+06	1.90E+05	8.39E+07	5.76E+04	4.02E+02

Grouted	4.85E+06	1.91E+05	8.43E+07	5.78E+04	4.04E+02
Grouted	4.96E+06	1.95E+05	8.63E+07	5.92E+04	4.14E+02
Grouted	4.76E+06	1.87E+05	8.28E+07	5.68E+04	3.97E+02
Grouted	4.80E+06	1.89E+05	8.34E+07	5.73E+04	4.00E+02
Grouted	5.06E+06	1.99E+05	8.80E+07	6.04E+04	4.22E+02
Grouted	5.09E+06	2.00E+05	8.85E+07	6.07E+04	4.24E+02
Grouted	4.80E+06	1.89E+05	8.35E+07	5.73E+04	4.00E+02
Grouted	4.77E+06	1.87E+05	8.29E+07	5.69E+04	3.97E+02
Grouted	4.59E+06	1.81E+05	7.98E+07	5.48E+04	3.83E+02
Grouted	4.46E+06	1.75E+05	7.75E+07	5.32E+04	3.71E+02
Grouted	4.59E+06	1.80E+05	7.98E+07	5.47E+04	3.82E+02
Grouted	4.52E+06	1.78E+05	7.85E+07	5.39E+04	3.76E+02
Grouted	1.56E+07	6.15E+05	2.72E+08	1.86E+05	1.30E+03
Grouted	7.23E+06	2.85E+05	1.26E+08	8.63E+04	6.03E+02
Grouted	7.69E+06	3.02E+05	1.34E+08	9.17E+04	6.41E+02
Grouted	4.50E+06	1.77E+05	7.82E+07	5.36E+04	3.75E+02
Grouted	4.17E+06	1.64E+05	7.25E+07	4.97E+04	3.47E+02
Grouted	4.29E+06	1.69E+05	7.47E+07	5.12E+04	3.58E+02
Grouted	4.05E+06	1.59E+05	7.04E+07	4.83E+04	3.38E+02
Grouted	4.04E+06	1.59E+05	7.03E+07	4.82E+04	3.37E+02
Grouted	3.90E+06	1.54E+05	6.79E+07	4.66E+04	3.25E+02
Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	3.94E+06	1.55E+05	6.86E+07	4.71E+04	3.29E+02
Grouted	3.95E+06	1.56E+05	6.88E+07	4.72E+04	3.30E+02
Grouted	4.04E+06	1.59E+05	7.02E+07	4.82E+04	3.36E+02
Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	3.82E+06	1.50E+05	6.65E+07	4.56E+04	3.19E+02

Grouted	3.87E+06	1.52E+05	6.74E+07	4.62E+04	3.23E+02
Grouted	3.86E+06	1.52E+05	6.72E+07	4.61E+04	3.22E+02
Grouted	3.72E+06	1.46E+05	6.46E+07	4.44E+04	3.10E+02
Grouted	3.90E+06	1.53E+05	6.78E+07	4.65E+04	3.25E+02
Grouted	3.88E+06	1.53E+05	6.75E+07	4.63E+04	3.23E+02
Grouted	3.79E+06	1.49E+05	6.59E+07	4.52E+04	3.16E+02
Grouted	3.79E+06	1.49E+05	6.59E+07	4.52E+04	3.16E+02
Grouted	3.69E+06	1.45E+05	6.41E+07	4.40E+04	3.07E+02
Grouted	3.49E+06	1.37E+05	6.07E+07	4.16E+04	2.91E+02
Grouted	3.40E+06	1.34E+05	5.91E+07	4.06E+04	2.83E+02
Grouted	3.49E+06	1.37E+05	6.08E+07	4.17E+04	2.91E+02
Grouted	3.40E+06	1.34E+05	5.91E+07	4.06E+04	2.83E+02
Grouted	3.46E+06	1.36E+05	6.02E+07	4.13E+04	2.89E+02
Grouted	3.48E+06	1.37E+05	6.05E+07	4.15E+04	2.90E+02
Grouted	3.46E+06	1.36E+05	6.02E+07	4.13E+04	2.89E+02
Grouted	3.46E+06	1.36E+05	6.02E+07	4.13E+04	2.89E+02
Grouted	3.61E+06	1.42E+05	6.27E+07	4.30E+04	3.01E+02
Grouted	3.58E+06	1.41E+05	6.23E+07	4.27E+04	2.98E+02
Grouted	3.57E+06	1.40E+05	6.20E+07	4.25E+04	2.97E+02
Grouted	3.51E+06	1.38E+05	6.11E+07	4.19E+04	2.93E+02
Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04	2.98E+02
Grouted	3.63E+06	1.43E+05	6.31E+07	4.33E+04	3.02E+02
Grouted	3.50E+06	1.38E+05	6.09E+07	4.18E+04	2.92E+02
Grouted	3.51E+06	1.38E+05	6.10E+07	4.19E+04	2.93E+02
Grouted	3.52E+06	1.38E+05	6.12E+07	4.20E+04	2.93E+02
Grouted	3.59E+06	1.41E+05	6.24E+07	4.28E+04	2.99E+02
Grouted	3.66E+06	1.44E+05	6.36E+07	4.36E+04	3.05E+02

Grouted	3.69E+06	1.45E+05	6.41E+07	4.40E+04	3.07E+02
Grouted	3.75E+06	1.48E+05	6.53E+07	4.48E+04	3.13E+02
Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04	3.11E+02
Grouted	3.84E+06	1.51E+05	6.68E+07	4.59E+04	3.20E+02
Grouted	3.82E+06	1.50E+05	6.65E+07	4.56E+04	3.19E+02
Grouted	3.97E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	4.04E+06	1.59E+05	7.03E+07	4.82E+04	3.37E+02
Grouted	4.07E+06	1.60E+05	7.08E+07	4.86E+04	3.39E+02
Grouted	2.37E+07	9.33E+05	4.12E+08	2.83E+05	1.98E+03
Grouted	8.09E+06	3.18E+05	1.41E+08	9.66E+04	6.74E+02
Grouted	4.74E+06	1.87E+05	8.25E+07	5.66E+04	3.95E+02
Grouted	4.36E+06	1.72E+05	7.58E+07	5.20E+04	3.63E+02
Grouted	4.30E+06	1.69E+05	7.48E+07	5.14E+04	3.59E+02
Grouted	4.17E+06	1.64E+05	7.26E+07	4.98E+04	3.48E+02
Grouted	3.93E+06	1.55E+05	6.83E+07	4.69E+04	3.28E+02
Grouted	3.94E+06	1.55E+05	6.86E+07	4.71E+04	3.29E+02
Grouted	3.83E+06	1.51E+05	6.67E+07	4.57E+04	3.20E+02
Grouted	3.86E+06	1.52E+05	6.72E+07	4.61E+04	3.22E+02
Grouted	3.84E+06	1.51E+05	6.68E+07	4.59E+04	3.20E+02
Grouted	3.79E+06	1.49E+05	6.60E+07	4.53E+04	3.16E+02
Grouted	3.72E+06	1.46E+05	6.46E+07	4.44E+04	3.10E+02
Grouted	3.74E+06	1.47E+05	6.51E+07	4.47E+04	3.12E+02
Grouted	3.82E+06	1.50E+05	6.65E+07	4.56E+04	3.19E+02
Grouted	3.70E+06	1.45E+05	6.43E+07	4.41E+04	3.08E+02
Grouted	3.77E+06	1.48E+05	6.55E+07	4.50E+04	3.14E+02
Grouted	3.71E+06	1.46E+05	6.45E+07	4.43E+04	3.09E+02
Grouted	3.66E+06	1.44E+05	6.37E+07	4.37E+04	3.05E+02



Grouted	3.61E+06	1.42E+05	6.27E+07	4.30E+04	3.01E+02
Grouted	3.35E+06	1.32E+05	5.83E+07	4.00E+04	2.79E+02
Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04	2.82E+02
Grouted	3.35E+06	1.32E+05	5.83E+07	4.00E+04	2.79E+02
Grouted	3.19E+06	1.26E+05	5.55E+07	3.81E+04	2.66E+02
Grouted	3.26E+06	1.28E+05	5.66E+07	3.89E+04	2.71E+02
Grouted	3.24E+06	1.27E+05	5.63E+07	3.86E+04	2.70E+02
Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04	2.78E+02
Grouted	3.40E+06	1.34E+05	5.92E+07	4.06E+04	2.84E+02
Grouted	3.34E+06	1.31E+05	5.80E+07	3.98E+04	2.78E+02
Grouted	3.40E+06	1.34E+05	5.92E+07	4.06E+04	2.84E+02
Grouted	3.38E+06	1.33E+05	5.88E+07	4.04E+04	2.82E+02
Grouted	3.46E+06	1.36E+05	6.02E+07	4.13E+04	2.89E+02
Grouted	3.48E+06	1.37E+05	6.06E+07	4.16E+04	2.90E+02
Grouted	3.44E+06	1.35E+05	5.98E+07	4.10E+04	2.87E+02
Grouted	3.49E+06	1.37E+05	6.08E+07	4.17E+04	2.91E+02
Grouted	3.51E+06	1.38E+05	6.10E+07	4.19E+04	2.93E+02
Grouted	3.47E+06	1.37E+05	6.04E+07	4.15E+04	2.90E+02
Grouted	3.45E+06	1.36E+05	6.01E+07	4.12E+04	2.88E+02
Grouted	3.39E+06	1.34E+05	5.90E+07	4.05E+04	2.83E+02
Grouted	3.45E+06	1.36E+05	6.00E+07	4.12E+04	2.87E+02
Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04	2.98E+02
Grouted	3.50E+06	1.38E+05	6.09E+07	4.18E+04	2.92E+02
Grouted	3.52E+06	1.38E+05	6.12E+07	4.20E+04	2.93E+02
Grouted	3.68E+06	1.45E+05	6.40E+07	4.39E+04	3.07E+02
Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04	3.04E+02
Grouted	3.92E+06	1.54E+05	6.82E+07	4.68E+04	3.27E+02

Grouted	4.17E+06	1.64E+05	7.25E+07	4.97E+04	3.47E+02
Grouted	4.70E+06	1.85E+05	8.17E+07	5.61E+04	3.92E+02
Grouted	4.20E+06	1.65E+05	7.31E+07	5.01E+04	3.50E+02
Grouted	3.76E+06	1.48E+05	6.54E+07	4.49E+04	3.14E+02
Grouted	1.79E+07	7.04E+05	3.11E+08	2.14E+05	1.49E+03
Grouted	6.47E+06	2.55E+05	1.13E+08	7.72E+04	5.40E+02
Grouted	4.72E+06	1.86E+05	8.21E+07	5.64E+04	3.94E+02
Grouted	4.39E+06	1.73E+05	7.64E+07	5.24E+04	3.66E+02
Grouted	4.27E+06	1.68E+05	7.43E+07	5.10E+04	3.56E+02
Grouted	4.13E+06	1.62E+05	7.18E+07	4.92E+04	3.44E+02
Grouted	4.01E+06	1.58E+05	6.96E+07	4.78E+04	3.34E+02
Grouted	4.14E+06	1.63E+05	7.19E+07	4.94E+04	3.45E+02
Grouted	4.08E+06	1.60E+05	7.09E+07	4.86E+04	3.40E+02
Grouted	3.90E+06	1.53E+05	6.78E+07	4.65E+04	3.25E+02
Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04	3.28E+02
Grouted	4.04E+06	1.59E+05	7.02E+07	4.82E+04	3.36E+02
Grouted	3.98E+06	1.56E+05	6.91E+07	4.74E+04	3.31E+02
Grouted	4.02E+06	1.58E+05	6.98E+07	4.79E+04	3.35E+02
Grouted	4.07E+06	1.60E+05	7.08E+07	4.86E+04	3.39E+02
Grouted	3.99E+06	1.57E+05	6.94E+07	4.76E+04	3.33E+02
Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04	3.28E+02
Grouted	3.88E+06	1.53E+05	6.75E+07	4.63E+04	3.23E+02
Grouted	3.82E+06	1.50E+05	6.64E+07	4.56E+04	3.18E+02
Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04	3.04E+02
Grouted	3.54E+06	1.39E+05	6.16E+07	4.22E+04	2.95E+02
Grouted	3.57E+06	1.40E+05	6.21E+07	4.26E+04	2.98E+02
Grouted	3.53E+06	1.39E+05	6.13E+07	4.21E+04	2.94E+02

Grouted	3.32E+06	1.31E+05	5.78E+07	3.96E+04	2.77E+02
Grouted	3.45E+06	1.36E+05	6.00E+07	4.12E+04	2.87E+02
Grouted	3.42E+06	1.34E+05	5.94E+07	4.08E+04	2.85E+02
Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04	2.78E+02
Grouted	3.45E+06	1.36E+05	6.01E+07	4.12E+04	2.88E+02
Grouted	3.44E+06	1.35E+05	5.98E+07	4.10E+04	2.87E+02
Grouted	3.43E+06	1.35E+05	5.97E+07	4.10E+04	2.86E+02
Grouted	3.52E+06	1.38E+05	6.12E+07	4.20E+04	2.93E+02
Grouted	3.56E+06	1.40E+05	6.18E+07	4.24E+04	2.96E+02
Grouted	3.56E+06	1.40E+05	6.18E+07	4.24E+04	2.96E+02
Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04	3.11E+02
Grouted	3.74E+06	1.47E+05	6.51E+07	4.47E+04	3.12E+02
Grouted	3.87E+06	1.52E+05	6.74E+07	4.62E+04	3.23E+02
Grouted	3.84E+06	1.51E+05	6.67E+07	4.58E+04	3.20E+02
Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04	3.22E+02
Grouted	3.81E+06	1.50E+05	6.63E+07	4.55E+04	3.18E+02
Grouted	3.79E+06	1.49E+05	6.59E+07	4.52E+04	3.16E+02
Grouted	3.86E+06	1.52E+05	6.71E+07	4.60E+04	3.22E+02
Grouted	3.99E+06	1.57E+05	6.93E+07	4.76E+04	3.32E+02
Grouted	3.90E+06	1.54E+05	6.79E+07	4.66E+04	3.25E+02
Grouted	4.08E+06	1.60E+05	7.09E+07	4.86E+04	3.40E+02
Grouted	4.22E+06	1.66E+05	7.34E+07	5.04E+04	3.52E+02
Grouted	4.23E+06	1.66E+05	7.35E+07	5.04E+04	3.52E+02
Grouted	4.32E+06	1.70E+05	7.52E+07	5.16E+04	3.60E+02
Grouted	4.40E+06	1.73E+05	7.65E+07	5.25E+04	3.67E+02
Grouted	4.55E+06	1.79E+05	7.91E+07	5.43E+04	3.79E+02
Grouted	4.91E+06	1.93E+05	8.54E+07	5.86E+04	4.09E+02

Grouted	4.40E+06	1.73E+05	7.65E+07	5.25E+04	3.67E+02
Removed	1.61E+06	6.33E+04	2.80E+07	1.92E+04	1.34E+02
Removed	1.91E+06	7.53E+04	3.33E+07	2.28E+04	1.59E+02
Removed	7.45E+06	2.93E+05	1.30E+08	8.89E+04	6.21E+02
Removed	4.04E+06	1.59E+05	7.02E+07	4.82E+04	3.37E+02
Removed	5.25E+06	2.07E+05	9.13E+07	6.26E+04	4.38E+02
Removed	6.17E+06	2.43E+05	1.07E+08	7.36E+04	5.14E+02
Removed	7.20E+06	2.83E+05	1.25E+08	8.59E+04	6.00E+02
Removed	9.19E+06	3.62E+05	1.60E+08	1.10E+05	7.66E+02
Removed	1.46E+07	5.74E+05	2.54E+08	1.74E+05	1.22E+03
Removed	5.56E+06	2.19E+05	9.67E+07	6.64E+04	4.64E+02
Removed	6.07E+06	2.39E+05	1.06E+08	7.25E+04	5.06E+02
Removed	7.94E+06	3.12E+05	1.38E+08	9.47E+04	6.62E+02
Removed	1.06E+07	4.17E+05	1.84E+08	1.26E+05	8.83E+02
Removed	9.23E+06	3.63E+05	1.61E+08	1.10E+05	7.70E+02
Removed	2.73E+07	1.07E+06	4.75E+08	3.26E+05	2.28E+03
Removed	4.57E+07	1.80E+06	7.95E+08	5.45E+05	3.81E+03
Removed	3.36E+06	1.32E+05	5.84E+07	4.00E+04	2.80E+02
Removed	5.78E+06	2.27E+05	1.00E+08	6.89E+04	4.81E+02
Removed	1.76E+06	6.93E+04	3.06E+07	2.10E+04	1.47E+02
Removed	1.09E+05	4.29E+03	1.89E+06	1.30E+03	9.08E+00
Removed	2.79E+05	1.10E+04	4.85E+06	3.33E+03	2.33E+01
Removed	1.31E+05	5.17E+03	2.28E+06	1.57E+03	1.09E+01
Removed	1.17E+05	4.61E+03	2.04E+06	1.40E+03	9.77E+00
Removed	1.27E+05	5.01E+03	2.21E+06	1.52E+03	1.06E+01
Removed	9.35E+06	3.68E+05	1.63E+08	1.12E+05	7.80E+02
Removed	3.80E+06	1.49E+05	6.60E+07	4.53E+04	3.16E+02

Removed	2.58E+06	1.01E+05	4.49E+07	3.08E+04	2.15E+02
Removed	2.19E+06	8.63E+04	3.81E+07	2.62E+04	1.83E+02
Removed	2.54E+06	1.00E+05	4.42E+07	3.03E+04	2.12E+02
Removed	1.17E+07	4.61E+05	2.04E+08	1.40E+05	9.76E+02
Removed	2.88E+06	1.13E+05	5.00E+07	3.43E+04	2.40E+02
Removed	1.74E+06	6.85E+04	3.03E+07	2.08E+04	1.45E+02
Removed	1.42E+06	5.58E+04	2.47E+07	1.69E+04	1.18E+02
Removed	1.40E+06	5.52E+04	2.44E+07	1.67E+04	1.17E+02
Removed	2.09E+05	8.24E+03	3.64E+06	2.50E+03	1.75E+01
Removed	5.02E+05	1.98E+04	8.73E+06	5.99E+03	4.19E+01
Removed	3.39E+05	1.34E+04	5.90E+06	4.05E+03	2.83E+01
Removed	3.71E+06	1.46E+05	6.45E+07	4.43E+04	3.09E+02
Removed	1.40E+06	5.50E+04	2.43E+07	1.67E+04	1.17E+02
Removed	1.29E+06	5.08E+04	2.24E+07	1.54E+04	1.08E+02
Removed	1.34E+06	5.27E+04	2.33E+07	1.60E+04	1.12E+02
Removed	1.11E+05	4.36E+03	1.93E+06	1.32E+03	9.23E+00
Removed	8.57E+04	3.37E+03	1.49E+06	1.02E+03	7.14E+00
Removed	1.09E+05	4.30E+03	1.90E+06	1.30E+03	9.11E+00
Removed	1.17E+05	4.59E+03	2.03E+06	1.39E+03	9.72E+00
Removed	1.52E+07	5.97E+05	2.64E+08	1.81E+05	1.26E+03
Removed	3.00E+06	1.18E+05	5.22E+07	3.58E+04	2.50E+02
Removed	2.26E+06	8.89E+04	3.93E+07	2.69E+04	1.88E+02
Removed	2.07E+06	8.14E+04	3.60E+07	2.47E+04	1.72E+02
Removed	6.05E+06	2.38E+05	1.05E+08	7.21E+04	5.04E+02
Removed	2.06E+06	8.10E+04	3.58E+07	2.46E+04	1.72E+02
Removed	1.76E+06	6.93E+04	3.06E+07	2.10E+04	1.47E+02
Removed	2.17E+06	8.53E+04	3.77E+07	2.59E+04	1.81E+02

Removed	1.01E+07	3.98E+05	1.76E+08	1.21E+05	8.43E+02
Removed	2.14E+06	8.43E+04	3.72E+07	2.56E+04	1.79E+02
Removed	1.61E+06	6.32E+04	2.79E+07	1.92E+04	1.34E+02
Removed	1.86E+06	7.32E+04	3.24E+07	2.22E+04	1.55E+02
Removed	7.12E+06	2.80E+05	1.24E+08	8.49E+04	5.93E+02
Removed	2.33E+06	9.15E+04	4.04E+07	2.78E+04	1.94E+02
Removed	2.21E+06	8.68E+04	3.84E+07	2.63E+04	1.84E+02
Removed	2.65E+06	1.04E+05	4.61E+07	3.17E+04	2.21E+02
Removed	9.60E+06	3.78E+05	1.67E+08	1.15E+05	8.00E+02
Removed	2.28E+06	8.97E+04	3.96E+07	2.72E+04	1.90E+02
Removed	1.96E+06	7.70E+04	3.41E+07	2.34E+04	1.63E+02
Removed	2.24E+06	8.82E+04	3.90E+07	2.67E+04	1.87E+02
Removed	1.34E+07	5.25E+05	2.32E+08	1.59E+05	1.11E+03
Removed	1.86E+06	7.31E+04	3.23E+07	2.22E+04	1.55E+02
Removed	1.27E+06	5.01E+04	2.22E+07	1.52E+04	1.06E+02
Removed	1.30E+06	5.12E+04	2.27E+07	1.55E+04	1.09E+02
Removed	1.25E+06	4.93E+04	2.18E+07	1.50E+04	1.04E+02
Removed	1.78E+07	6.98E+05	3.09E+08	2.12E+05	1.48E+03
Removed	2.07E+06	8.15E+04	3.60E+07	2.47E+04	1.73E+02
Removed	1.48E+06	5.80E+04	2.57E+07	1.76E+04	1.23E+02
Removed	1.41E+06	5.54E+04	2.45E+07	1.68E+04	1.17E+02
Removed	1.40E+06	5.51E+04	2.44E+07	1.67E+04	1.17E+02
Removed	2.07E+07	8.15E+05	3.60E+08	2.47E+05	1.73E+03
Removed	6.82E+06	2.68E+05	1.19E+08	8.14E+04	5.69E+02
Removed	9.00E+06	3.54E+05	1.56E+08	1.07E+05	7.50E+02
Removed	8.10E+06	3.18E+05	1.41E+08	9.66E+04	6.75E+02
Removed	6.82E+06	2.68E+05	1.19E+08	8.14E+04	5.69E+02

Removed	9.37E+06	3.69E+05	1.63E+08	1.12E+05	7.81E+02
Removed	1.24E+07	4.88E+05	2.16E+08	1.48E+05	1.03E+03
Removed	1.47E+06	5.79E+04	2.56E+07	1.76E+04	1.23E+02
Removed	1.18E+06	4.64E+04	2.05E+07	1.41E+04	9.83E+01
Removed	1.10E+06	4.33E+04	1.91E+07	1.31E+04	9.18E+01
Removed	1.21E+06	4.75E+04	2.10E+07	1.44E+04	1.01E+02
Removed	1.22E+07	4.79E+05	2.11E+08	1.45E+05	1.01E+03
Removed	1.84E+06	7.23E+04	3.19E+07	2.19E+04	1.53E+02
Removed	1.56E+06	6.14E+04	2.72E+07	1.86E+04	1.30E+02
Removed	1.68E+06	6.63E+04	2.93E+07	2.01E+04	1.40E+02
Removed	1.44E+06	5.67E+04	2.51E+07	1.72E+04	1.20E+02
Removed	9.91E+06	3.90E+05	1.72E+08	1.18E+05	8.26E+02
Removed	1.81E+06	7.13E+04	3.15E+07	2.16E+04	1.51E+02
Removed	1.52E+06	5.98E+04	2.64E+07	1.81E+04	1.27E+02
Removed	1.59E+06	6.27E+04	2.77E+07	1.90E+04	1.33E+02
Removed	1.55E+06	6.10E+04	2.70E+07	1.85E+04	1.29E+02
Removed	3.39E+05	1.33E+04	5.89E+06	4.04E+03	2.82E+01
Removed	7.22E+04	2.84E+03	1.25E+06	8.61E+02	6.01E+00
Removed	7.22E+04	2.84E+03	1.25E+06	8.61E+02	6.01E+00
Removed	2.78E+05	1.09E+04	4.83E+06	3.32E+03	2.32E+01
Removed	2.07E+05	8.13E+03	3.59E+06	2.46E+03	1.72E+01
Removed	6.41E+04	2.52E+03	1.11E+06	7.64E+02	5.34E+00
Removed	2.22E+05	8.72E+03	3.85E+06	2.64E+03	1.85E+01
Grouted	1.20E+07	4.73E+05	2.09E+08	1.43E+05	1.00E+03
Grouted	5.56E+06	2.19E+05	9.67E+07	6.63E+04	4.63E+02
Grouted	4.12E+06	1.62E+05	7.17E+07	4.92E+04	3.43E+02
Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04	3.34E+02

Grouted	4.03E+06	1.59E+05	7.01E+07	4.81E+04	3.36E+02
Grouted	3.90E+06	1.53E+05	6.78E+07	4.65E+04	3.25E+02
Grouted	3.81E+06	1.50E+05	6.62E+07	4.54E+04	3.17E+02
Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04	3.11E+02
Grouted	3.90E+06	1.53E+05	6.78E+07	4.66E+04	3.25E+02
Grouted	3.76E+06	1.48E+05	6.54E+07	4.49E+04	3.14E+02
Grouted	3.72E+06	1.47E+05	6.48E+07	4.44E+04	3.10E+02
Grouted	3.85E+06	1.52E+05	6.70E+07	4.60E+04	3.21E+02
Grouted	3.86E+06	1.52E+05	6.71E+07	4.61E+04	3.22E+02
Grouted	3.77E+06	1.48E+05	6.56E+07	4.50E+04	3.14E+02
Grouted	3.92E+06	1.54E+05	6.81E+07	4.67E+04	3.26E+02
Grouted	3.75E+06	1.47E+05	6.52E+07	4.47E+04	3.12E+02
Grouted	3.84E+06	1.51E+05	6.68E+07	4.58E+04	3.20E+02
Grouted	4.05E+06	1.59E+05	7.04E+07	4.83E+04	3.38E+02
Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04	3.28E+02
Grouted	3.65E+06	1.43E+05	6.34E+07	4.35E+04	3.04E+02
Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04	2.77E+02
Grouted	3.35E+06	1.32E+05	5.82E+07	4.00E+04	2.79E+02
Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04	2.75E+02
Grouted	3.19E+06	1.25E+05	5.54E+07	3.80E+04	2.66E+02
Grouted	3.30E+06	1.30E+05	5.75E+07	3.94E+04	2.75E+02
Grouted	3.21E+06	1.26E+05	5.58E+07	3.83E+04	2.68E+02
Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04	2.75E+02
Grouted	3.31E+06	1.30E+05	5.75E+07	3.95E+04	2.76E+02
Grouted	3.32E+06	1.31E+05	5.78E+07	3.97E+04	2.77E+02
Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04	2.70E+02
Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04	2.70E+02



Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.23E+06	1.27E+05	5.61E+07	3.85E+04	2.69E+02
Grouted	3.22E+06	1.27E+05	5.60E+07	3.84E+04	2.68E+02
Grouted	3.24E+06	1.27E+05	5.63E+07	3.86E+04	2.70E+02
Grouted	3.27E+06	1.29E+05	5.69E+07	3.91E+04	2.73E+02
Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.24E+06	1.27E+05	5.63E+07	3.86E+04	2.70E+02
Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04	2.77E+02
Grouted	3.22E+06	1.27E+05	5.60E+07	3.84E+04	2.68E+02
Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04	2.74E+02
Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04	2.73E+02
Grouted	3.25E+06	1.28E+05	5.64E+07	3.87E+04	2.70E+02
Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04	2.81E+02
Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04	2.77E+02
Grouted	3.34E+06	1.31E+05	5.81E+07	3.99E+04	2.78E+02
Grouted	3.23E+06	1.27E+05	5.62E+07	3.85E+04	2.69E+02
Grouted	3.27E+06	1.29E+05	5.69E+07	3.90E+04	2.73E+02
Grouted	1.04E+07	4.10E+05	1.81E+08	1.24E+05	8.69E+02
Grouted	5.58E+06	2.20E+05	9.71E+07	6.66E+04	4.65E+02
Grouted	4.00E+06	1.57E+05	6.96E+07	4.78E+04	3.34E+02
Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	3.93E+06	1.55E+05	6.84E+07	4.69E+04	3.28E+02
Grouted	3.82E+06	1.50E+05	6.65E+07	4.56E+04	3.19E+02
Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04	3.04E+02
Grouted	3.63E+06	1.43E+05	6.32E+07	4.34E+04	3.03E+02

Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04	2.98E+02
Grouted	3.62E+06	1.43E+05	6.30E+07	4.32E+04	3.02E+02
Grouted	3.51E+06	1.38E+05	6.10E+07	4.19E+04	2.92E+02
Grouted	3.59E+06	1.41E+05	6.24E+07	4.28E+04	2.99E+02
Grouted	3.62E+06	1.43E+05	6.30E+07	4.32E+04	3.02E+02
Grouted	3.56E+06	1.40E+05	6.19E+07	4.25E+04	2.97E+02
Grouted	3.58E+06	1.41E+05	6.22E+07	4.27E+04	2.98E+02
Grouted	3.61E+06	1.42E+05	6.28E+07	4.31E+04	3.01E+02
Grouted	3.63E+06	1.43E+05	6.32E+07	4.33E+04	3.03E+02
Grouted	3.66E+06	1.44E+05	6.37E+07	4.37E+04	3.05E+02
Grouted	3.65E+06	1.44E+05	6.35E+07	4.36E+04	3.05E+02
Grouted	3.47E+06	1.36E+05	6.03E+07	4.14E+04	2.89E+02
Grouted	3.38E+06	1.33E+05	5.89E+07	4.04E+04	2.82E+02
Grouted	3.33E+06	1.31E+05	5.79E+07	3.97E+04	2.77E+02
Grouted	3.20E+06	1.26E+05	5.57E+07	3.82E+04	2.67E+02
Grouted	3.12E+06	1.23E+05	5.42E+07	3.72E+04	2.60E+02
Grouted	3.18E+06	1.25E+05	5.52E+07	3.79E+04	2.65E+02
Grouted	3.19E+06	1.25E+05	5.54E+07	3.80E+04	2.66E+02
Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04	2.73E+02
Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04	2.77E+02
Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04	2.70E+02
Grouted	3.25E+06	1.28E+05	5.65E+07	3.88E+04	2.71E+02
Grouted	3.31E+06	1.30E+05	5.75E+07	3.94E+04	2.75E+02
Grouted	3.30E+06	1.30E+05	5.73E+07	3.93E+04	2.75E+02
Grouted	3.15E+06	1.24E+05	5.48E+07	3.76E+04	2.63E+02
Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04	2.74E+02
Grouted	3.29E+06	1.29E+05	5.72E+07	3.92E+04	2.74E+02

Grouted	3.20E+06	1.26E+05	5.56E+07	3.81E+04	2.66E+02
Grouted	3.35E+06	1.32E+05	5.83E+07	4.00E+04	2.79E+02
Grouted	3.24E+06	1.28E+05	5.64E+07	3.87E+04	2.70E+02
Grouted	3.35E+06	1.32E+05	5.82E+07	3.99E+04	2.79E+02
Grouted	3.40E+06	1.34E+05	5.92E+07	4.06E+04	2.84E+02
Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04	2.80E+02
Grouted	3.29E+06	1.30E+05	5.73E+07	3.93E+04	2.74E+02
Grouted	3.34E+06	1.32E+05	5.81E+07	3.99E+04	2.79E+02
Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04	2.78E+02
Grouted	3.30E+06	1.30E+05	5.74E+07	3.94E+04	2.75E+02
Grouted	3.39E+06	1.34E+05	5.90E+07	4.05E+04	2.83E+02
Grouted	3.41E+06	1.34E+05	5.94E+07	4.07E+04	2.85E+02
Grouted	3.42E+06	1.35E+05	5.96E+07	4.09E+04	2.85E+02
Grouted	3.33E+06	1.31E+05	5.80E+07	3.98E+04	2.78E+02
Grouted	3.48E+06	1.37E+05	6.05E+07	4.15E+04	2.90E+02
Grouted	9.25E+06	3.64E+05	1.61E+08	1.10E+05	7.71E+02
Grouted	4.94E+06	1.94E+05	8.59E+07	5.90E+04	4.12E+02
Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04	3.34E+02
Grouted	3.96E+06	1.56E+05	6.89E+07	4.73E+04	3.30E+02
Grouted	3.99E+06	1.57E+05	6.94E+07	4.76E+04	3.32E+02
Grouted	3.91E+06	1.54E+05	6.80E+07	4.67E+04	3.26E+02
Grouted	3.95E+06	1.55E+05	6.87E+07	4.71E+04	3.29E+02
Grouted	4.01E+06	1.58E+05	6.97E+07	4.78E+04	3.34E+02
Grouted	4.00E+06	1.57E+05	6.95E+07	4.77E+04	3.33E+02
Grouted	3.88E+06	1.53E+05	6.75E+07	4.63E+04	3.24E+02
Grouted	3.89E+06	1.53E+05	6.77E+07	4.65E+04	3.24E+02

Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04	3.23E+02
Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04	3.22E+02
Grouted	3.85E+06	1.51E+05	6.69E+07	4.59E+04	3.20E+02
Grouted	3.78E+06	1.49E+05	6.57E+07	4.51E+04	3.15E+02
Grouted	3.82E+06	1.50E+05	6.64E+07	4.56E+04	3.18E+02
Grouted	3.77E+06	1.48E+05	6.56E+07	4.50E+04	3.15E+02
Grouted	3.70E+06	1.45E+05	6.43E+07	4.41E+04	3.08E+02
Grouted	3.53E+06	1.39E+05	6.13E+07	4.21E+04	2.94E+02
Grouted	3.45E+06	1.36E+05	5.99E+07	4.11E+04	2.87E+02
Grouted	3.37E+06	1.33E+05	5.86E+07	4.02E+04	2.81E+02
Grouted	3.32E+06	1.31E+05	5.77E+07	3.96E+04	2.77E+02
Grouted	3.23E+06	1.27E+05	5.62E+07	3.85E+04	2.69E+02
Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.26E+06	1.28E+05	5.67E+07	3.89E+04	2.72E+02
Grouted	3.39E+06	1.33E+05	5.89E+07	4.04E+04	2.82E+02
Grouted	3.30E+06	1.30E+05	5.74E+07	3.94E+04	2.75E+02
Grouted	3.38E+06	1.33E+05	5.88E+07	4.04E+04	2.82E+02
Grouted	3.33E+06	1.31E+05	5.78E+07	3.97E+04	2.77E+02
Grouted	3.31E+06	1.30E+05	5.75E+07	3.94E+04	2.75E+02
Grouted	3.31E+06	1.30E+05	5.76E+07	3.95E+04	2.76E+02
Grouted	3.25E+06	1.28E+05	5.66E+07	3.88E+04	2.71E+02
Grouted	3.27E+06	1.29E+05	5.68E+07	3.90E+04	2.72E+02
Grouted	3.27E+06	1.29E+05	5.69E+07	3.91E+04	2.73E+02
Grouted	3.31E+06	1.30E+05	5.76E+07	3.95E+04	2.76E+02
Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04	2.73E+02
Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04	2.82E+02
Grouted	3.33E+06	1.31E+05	5.79E+07	3.98E+04	2.78E+02

Grouted	3.28E+06	1.29E+05	5.70E+07	3.91E+04	2.73E+02
Grouted	3.28E+06	1.29E+05	5.71E+07	3.92E+04	2.74E+02
Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04	2.80E+02
Grouted	3.38E+06	1.33E+05	5.87E+07	4.03E+04	2.82E+02
Grouted	3.36E+06	1.32E+05	5.84E+07	4.01E+04	2.80E+02
Grouted	3.38E+06	1.33E+05	5.88E+07	4.03E+04	2.82E+02
Grouted	3.52E+06	1.38E+05	6.12E+07	4.20E+04	2.93E+02
Grouted	3.50E+06	1.38E+05	6.08E+07	4.17E+04	2.91E+02
Grouted	3.43E+06	1.35E+05	5.97E+07	4.10E+04	2.86E+02
Grouted	3.43E+06	1.35E+05	5.96E+07	4.09E+04	2.86E+02
Grouted	3.62E+06	1.42E+05	6.30E+07	4.32E+04	3.02E+02
Grouted	1.40E+07	5.50E+05	2.43E+08	1.67E+05	1.16E+03
Grouted	1.81E+07	7.12E+05	3.15E+08	2.16E+05	1.51E+03
Grouted	6.56E+06	2.58E+05	1.14E+08	7.82E+04	5.47E+02
Grouted	5.02E+06	1.98E+05	8.73E+07	5.99E+04	4.19E+02
Grouted	5.22E+06	2.05E+05	9.07E+07	6.22E+04	4.35E+02
Grouted	6.08E+06	2.39E+05	1.06E+08	7.26E+04	5.07E+02
Grouted	6.12E+06	2.41E+05	1.06E+08	7.30E+04	5.10E+02
Grouted	6.28E+06	2.47E+05	1.09E+08	7.49E+04	5.23E+02
Grouted	7.77E+06	3.06E+05	1.35E+08	9.27E+04	6.48E+02
Grouted	7.51E+06	2.95E+05	1.31E+08	8.96E+04	6.26E+02
Grouted	5.41E+06	2.13E+05	9.41E+07	6.46E+04	4.51E+02
Grouted	4.81E+06	1.89E+05	8.37E+07	5.74E+04	4.01E+02
Grouted	4.64E+06	1.83E+05	8.07E+07	5.54E+04	3.87E+02
Grouted	4.49E+06	1.77E+05	7.80E+07	5.36E+04	3.74E+02
Grouted	4.53E+06	1.78E+05	7.87E+07	5.40E+04	3.77E+02
Grouted	4.59E+06	1.80E+05	7.98E+07	5.47E+04	3.82E+02

Grouted	5.38E+06	2.11E+05	9.35E+07	6.41E+04	4.48E+02
Grouted	7.88E+06	3.10E+05	1.37E+08	9.40E+04	6.57E+02
Grouted	6.04E+06	2.38E+05	1.05E+08	7.20E+04	5.03E+02
Grouted	4.95E+06	1.95E+05	8.60E+07	5.90E+04	4.12E+02
Grouted	4.58E+06	1.80E+05	7.96E+07	5.46E+04	3.82E+02
Grouted	4.07E+06	1.60E+05	7.07E+07	4.85E+04	3.39E+02
Grouted	4.02E+06	1.58E+05	6.99E+07	4.80E+04	3.35E+02
Grouted	3.87E+06	1.52E+05	6.73E+07	4.62E+04	3.23E+02
Grouted	3.76E+06	1.48E+05	6.54E+07	4.49E+04	3.13E+02
Grouted	4.11E+06	1.62E+05	7.15E+07	4.90E+04	3.43E+02
Grouted	5.31E+06	2.09E+05	9.24E+07	6.34E+04	4.43E+02
Grouted	4.62E+06	1.82E+05	8.03E+07	5.51E+04	3.85E+02
Grouted	4.59E+06	1.81E+05	7.98E+07	5.48E+04	3.83E+02
Grouted	4.00E+06	1.57E+05	6.96E+07	4.77E+04	3.34E+02
Grouted	3.78E+06	1.49E+05	6.57E+07	4.51E+04	3.15E+02
Grouted	3.79E+06	1.49E+05	6.58E+07	4.52E+04	3.16E+02
Grouted	3.79E+06	1.49E+05	6.59E+07	4.52E+04	3.16E+02
Grouted	3.80E+06	1.50E+05	6.61E+07	4.54E+04	3.17E+02
Grouted	4.15E+06	1.63E+05	7.21E+07	4.95E+04	3.46E+02
Grouted	5.16E+06	2.03E+05	8.98E+07	6.16E+04	4.30E+02
Grouted	4.33E+06	1.70E+05	7.52E+07	5.16E+04	3.61E+02
Grouted	4.18E+06	1.65E+05	7.27E+07	4.99E+04	3.49E+02
Grouted	3.98E+06	1.57E+05	6.92E+07	4.75E+04	3.32E+02
Grouted	3.99E+06	1.57E+05	6.94E+07	4.76E+04	3.33E+02
Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04	3.41E+02
Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04	3.41E+02
Grouted	4.14E+06	1.63E+05	7.19E+07	4.93E+04	3.45E+02

Grouted	4.27E+06	1.68E+05	7.43E+07	5.10E+04	3.56E+02
Grouted	4.53E+06	1.78E+05	7.88E+07	5.41E+04	3.78E+02
Grouted	6.59E+06	2.59E+05	1.15E+08	7.87E+04	5.50E+02
Grouted	6.41E+06	2.52E+05	1.11E+08	7.64E+04	5.34E+02
Grouted	5.33E+06	2.10E+05	9.27E+07	6.36E+04	4.44E+02
Grouted	5.09E+06	2.00E+05	8.84E+07	6.07E+04	4.24E+02
Grouted	5.58E+06	2.20E+05	9.71E+07	6.66E+04	4.65E+02
Grouted	4.43E+06	1.74E+05	7.70E+07	5.28E+04	3.69E+02
Grouted	1.17E+07	4.62E+05	2.04E+08	1.40E+05	9.78E+02
Grouted	5.31E+06	2.09E+05	9.24E+07	6.34E+04	4.43E+02
Grouted	4.22E+06	1.66E+05	7.33E+07	5.03E+04	3.51E+02
Grouted	4.34E+06	1.71E+05	7.54E+07	5.18E+04	3.62E+02
Grouted	4.30E+06	1.69E+05	7.47E+07	5.13E+04	3.58E+02
Grouted	4.13E+06	1.62E+05	7.18E+07	4.92E+04	3.44E+02
Grouted	4.04E+06	1.59E+05	7.03E+07	4.82E+04	3.37E+02
Grouted	4.29E+06	1.69E+05	7.45E+07	5.12E+04	3.57E+02
Grouted	4.59E+06	1.80E+05	7.97E+07	5.47E+04	3.82E+02
Grouted	4.17E+06	1.64E+05	7.24E+07	4.97E+04	3.47E+02
Grouted	3.98E+06	1.57E+05	6.92E+07	4.75E+04	3.32E+02
Grouted	4.09E+06	1.61E+05	7.10E+07	4.87E+04	3.41E+02
Grouted	4.03E+06	1.59E+05	7.01E+07	4.81E+04	3.36E+02
Grouted	4.09E+06	1.61E+05	7.11E+07	4.88E+04	3.41E+02
Grouted	4.13E+06	1.63E+05	7.19E+07	4.93E+04	3.45E+02
Grouted	4.22E+06	1.66E+05	7.34E+07	5.04E+04	3.52E+02
Grouted	4.85E+06	1.91E+05	8.43E+07	5.79E+04	4.04E+02
Grouted	5.13E+06	2.02E+05	8.93E+07	6.13E+04	4.28E+02
Grouted	4.41E+06	1.74E+05	7.68E+07	5.27E+04	3.68E+02

Grouted	4.23E+06	1.66E+05	7.35E+07	5.04E+04	3.52E+02
Grouted	4.49E+06	1.77E+05	7.80E+07	5.36E+04	3.74E+02
Grouted	4.16E+06	1.64E+05	7.24E+07	4.97E+04	3.47E+02
Grouted	3.73E+06	1.47E+05	6.49E+07	4.45E+04	3.11E+02
Grouted	3.69E+06	1.45E+05	6.41E+07	4.40E+04	3.07E+02
Grouted	3.67E+06	1.44E+05	6.38E+07	4.38E+04	3.06E+02
Grouted	5.00E+06	1.97E+05	8.70E+07	5.97E+04	4.17E+02
Grouted	6.30E+06	2.48E+05	1.10E+08	7.52E+04	5.25E+02
Grouted	4.13E+06	1.63E+05	7.18E+07	4.93E+04	3.44E+02
Grouted	3.71E+06	1.46E+05	6.45E+07	4.42E+04	3.09E+02
Grouted	3.63E+06	1.43E+05	6.31E+07	4.33E+04	3.02E+02
Grouted	3.53E+06	1.39E+05	6.14E+07	4.21E+04	2.94E+02
Grouted	3.59E+06	1.41E+05	6.24E+07	4.28E+04	2.99E+02
Grouted	3.73E+06	1.47E+05	6.48E+07	4.45E+04	3.11E+02
Grouted	4.21E+06	1.65E+05	7.31E+07	5.02E+04	3.51E+02
Grouted	6.98E+06	2.74E+05	1.21E+08	8.32E+04	5.81E+02
Grouted	8.05E+06	3.17E+05	1.40E+08	9.61E+04	6.71E+02
Grouted	6.37E+06	2.51E+05	1.11E+08	7.61E+04	5.31E+02
Grouted	4.67E+06	1.84E+05	8.12E+07	5.57E+04	3.89E+02
Grouted	4.13E+06	1.62E+05	7.18E+07	4.92E+04	3.44E+02
Grouted	3.76E+06	1.48E+05	6.55E+07	4.49E+04	3.14E+02
Grouted	3.69E+06	1.45E+05	6.42E+07	4.41E+04	3.08E+02
Grouted	3.72E+06	1.46E+05	6.47E+07	4.44E+04	3.10E+02
Grouted	4.20E+06	1.65E+05	7.30E+07	5.01E+04	3.50E+02
Grouted	7.17E+06	2.82E+05	1.25E+08	8.55E+04	5.97E+02
Grouted	6.00E+06	2.36E+05	1.04E+08	7.16E+04	5.00E+02
Grouted	4.43E+06	1.74E+05	7.70E+07	5.28E+04	3.69E+02



Grouted	4.34E+06	1.71E+05	7.54E+07	5.17E+04	3.61E+02
Grouted	4.74E+06	1.86E+05	8.24E+07	5.65E+04	3.95E+02
Grouted	5.99E+06	2.36E+05	1.04E+08	7.15E+04	4.99E+02
Grouted	5.70E+06	2.24E+05	9.91E+07	6.80E+04	4.75E+02
Removed	7.07E+04	2.78E+03	1.23E+06	8.43E+02	5.89E+00
Open/Buried	0.00E+00	4.84E+03	8.74E+05	7.93E+02	5.27E+01
Open/Buried	0.00E+00	4.96E+03	8.96E+05	8.13E+02	5.40E+01
Open/Buried	0.00E+00	5.15E+03	9.30E+05	8.44E+02	5.60E+01
Open/Buried	0.00E+00	6.29E+03	1.14E+06	1.03E+03	6.84E+01
Open/Buried	0.00E+00	5.76E+03	1.04E+06	9.43E+02	6.26E+01
Open/Buried	0.00E+00	5.70E+03	1.03E+06	9.33E+02	6.20E+01
Open/Buried	0.00E+00	5.30E+03	9.56E+05	8.67E+02	5.76E+01
Open/Buried	0.00E+00	5.17E+03	9.32E+05	8.46E+02	5.61E+01
Open/Buried	0.00E+00	5.28E+03	9.54E+05	8.65E+02	5.74E+01
Open/Buried	0.00E+00	5.21E+03	9.41E+05	8.54E+02	5.67E+01
Open/Buried	0.00E+00	4.92E+03	8.87E+05	8.05E+02	5.34E+01
Open/Buried	0.00E+00	6.19E+03	1.12E+06	1.01E+03	6.72E+01
Open/Buried	0.00E+00	6.82E+03	1.23E+06	1.12E+03	7.41E+01
Open/Buried	0.00E+00	7.39E+03	1.33E+06	1.21E+03	8.03E+01
Open/Buried	0.00E+00	1.72E+04	3.10E+06	2.81E+03	1.87E+02
Open/Buried	0.00E+00	7.93E+03	1.43E+06	1.30E+03	8.62E+01
Open/Buried	0.00E+00	8.30E+03	1.50E+06	1.36E+03	9.02E+01
Open/Buried	0.00E+00	8.53E+03	1.54E+06	1.40E+03	9.27E+01
Grouted	0.00E+00	1.25E+05	2.25E+07	2.04E+04	1.35E+03
Grouted	0.00E+00	1.43E+05	2.59E+07	2.35E+04	1.56E+03
Grouted	0.00E+00	1.21E+05	2.18E+07	1.98E+04	1.31E+03
Open/Buried	0.00E+00	5.44E+03	9.81E+05	8.91E+02	5.91E+01

Open/Buried	0.00E+00	5.50E+03	9.92E+05	9.00E+02	5.98E+01
Open/Buried	0.00E+00	7.01E+03	1.26E+06	1.15E+03	7.62E+01
Open/Buried	0.00E+00	4.75E+03	8.57E+05	7.78E+02	5.16E+01
Open/Buried	0.00E+00	4.73E+03	8.53E+05	7.74E+02	5.14E+01
Open/Buried	0.00E+00	5.18E+03	9.34E+05	8.48E+02	5.63E+01
Open/Buried	0.00E+00	6.64E+03	1.20E+06	1.09E+03	7.22E+01
Open/Buried	0.00E+00	6.59E+03	1.19E+06	1.08E+03	7.16E+01
Open/Buried	0.00E+00	7.55E+03	1.36E+06	1.24E+03	8.21E+01
Open/Buried	0.00E+00	4.51E+03	8.14E+05	7.39E+02	4.90E+01
Open/Buried	0.00E+00	4.50E+03	8.12E+05	7.37E+02	4.89E+01
Open/Buried	0.00E+00	5.07E+03	9.15E+05	8.30E+02	5.51E+01
Open/Buried	0.00E+00	5.13E+03	9.26E+05	8.40E+02	5.58E+01
Open/Buried	0.00E+00	5.98E+03	1.08E+06	9.80E+02	6.51E+01
Open/Buried	0.00E+00	5.95E+03	1.07E+06	9.74E+02	6.47E+01
Open/Buried	0.00E+00	6.67E+03	1.20E+06	1.09E+03	7.25E+01
Open/Buried	0.00E+00	5.59E+03	1.01E+06	9.16E+02	6.08E+01
Open/Buried	0.00E+00	5.63E+03	1.02E+06	9.22E+02	6.12E+01
Open/Buried	0.00E+00	4.44E+03	8.01E+05	7.27E+02	4.83E+01
Open/Buried	0.00E+00	4.46E+03	8.06E+05	7.31E+02	4.85E+01
Open/Buried	0.00E+00	6.03E+03	1.09E+06	9.88E+02	6.56E+01
Grouted	0.00E+00	6.23E+04	1.12E+07	1.02E+04	6.77E+02
Grouted	0.00E+00	8.47E+04	1.53E+07	1.39E+04	9.20E+02
Grouted	0.00E+00	6.52E+04	1.18E+07	1.07E+04	7.09E+02
Open/Buried	0.00E+00	9.91E+03	1.79E+06	1.62E+03	1.08E+02
Open/Buried	0.00E+00	1.07E+04	1.93E+06	1.75E+03	1.16E+02
Open/Buried	0.00E+00	1.29E+04	2.32E+06	2.11E+03	1.40E+02
Open/Buried	0.00E+00	8.41E+03	1.52E+06	1.38E+03	9.14E+01

Open/Buried	0.00E+00	8.59E+03	1.55E+06	1.41E+03	9.33E+01
Open/Buried	0.00E+00	1.01E+04	1.82E+06	1.65E+03	1.10E+02
Open/Buried	0.00E+00	4.20E+02	7.59E+04	6.88E+01	4.57E+00
Open/Buried	0.00E+00	4.61E+02	8.33E+04	7.56E+01	5.02E+00
Open/Buried	0.00E+00	4.37E+02	7.89E+04	7.16E+01	4.75E+00
Open/Buried	0.00E+00	2.71E+02	4.88E+04	4.43E+01	2.94E+00
Open/Buried	0.00E+00	3.53E+02	6.36E+04	5.78E+01	3.83E+00
Open/Buried	0.00E+00	4.06E+02	7.32E+04	6.65E+01	4.41E+00
Open/Buried	0.00E+00	3.79E+02	6.84E+04	6.21E+01	4.12E+00
Open/Buried	0.00E+00	3.38E+02	6.10E+04	5.54E+01	3.68E+00
Open/Buried	0.00E+00	4.32E+02	7.80E+04	7.08E+01	4.70E+00
Open/Buried	0.00E+00	4.49E+02	8.11E+04	7.36E+01	4.88E+00
Open/Buried	0.00E+00	7.61E+02	1.37E+05	1.25E+02	8.27E+00
Open/Buried	0.00E+00	1.34E+03	2.42E+05	2.20E+02	1.46E+01
Open/Buried	0.00E+00	3.31E+02	5.97E+04	5.42E+01	3.60E+00
Open/Buried	0.00E+00	3.14E+02	5.67E+04	5.14E+01	3.41E+00
Open/Buried	0.00E+00	3.55E+02	6.41E+04	5.81E+01	3.86E+00

	H-3	Co-60	Ni-63	Sr-90	Cs-134
	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)
<b>INTRATION - ALL</b>	1.06E+07	4.19E+05	1.85E+08	1.27E+05	8.98E+02
	H-3	Co-60	Ni-63	Sr-90	Cs-134
	(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)
<b>CTMT<sub>PN</sub> DCGLs</b>	0.003	0.000	0.003	0.006	0.000
<b>miting<sub>PN</sub> DCGLs</b>	0.003	0.005	0.003	0.007	0.000

## ELEVATED MEASUREMENTS

948.750 m<sup>2</sup>

(LTP Ch 6 Table 6-50, Release Record Table 1)

0.559 m<sup>2</sup>

(FOV of Detector in Pipe at 1 ft increments)

END STATE	H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)	Cs-134 (pCi/m2)
Grouted	2.13E+08	8.37E+06	3.70E+09	2.54E+06	1.77E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.42E+08	9.53E+06	4.21E+09	2.89E+06	2.02E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.67E+08	1.05E+07	4.63E+09	3.18E+06	2.22E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.58E+08	1.01E+07	4.48E+09	3.07E+06	2.15E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.37E+08	9.31E+06	4.11E+09	2.82E+06	1.97E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.10E+08	8.25E+06	3.65E+09	2.50E+06	1.75E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.96E+08	7.71E+06	3.41E+09	2.34E+06	1.63E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000

imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.83E+08	7.21E+06	3.19E+09	2.19E+06	1.53E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.73E+08	6.80E+06	3.01E+09	2.06E+06	1.44E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.84E+08	7.26E+06	3.21E+09	2.20E+06	1.54E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.93E+08	7.61E+06	3.36E+09	2.31E+06	1.61E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.93E+08	7.60E+06	3.36E+09	2.30E+06	1.61E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	2.03E+08	7.99E+06	3.53E+09	2.42E+06	1.69E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.81E+08	7.13E+06	3.15E+09	2.16E+06	1.51E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.41E+08	5.54E+06	2.45E+09	1.68E+06	1.17E+04
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.19E+08	4.68E+06	2.07E+09	1.42E+06	9.92E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000

imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.11E+08	4.37E+06	1.93E+09	1.32E+06	9.25E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.07E+08	4.21E+06	1.86E+09	1.28E+06	8.93E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	1.11E+08	4.35E+06	1.92E+09	1.32E+06	9.22E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	8.98E+07	3.53E+06	1.56E+09	1.07E+06	7.48E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.62E+07	2.61E+06	1.15E+09	7.90E+05	5.52E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.80E+07	2.28E+06	1.01E+09	6.92E+05	4.83E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	4.22E+07	1.66E+06	7.34E+08	5.04E+05	3.52E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	8.20E+07	3.23E+06	1.43E+09	9.79E+05	6.84E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.80E+07	2.68E+06	1.18E+09	8.11E+05	5.67E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000

imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	7.10E+07	2.80E+06	1.24E+09	8.48E+05	5.92E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	7.18E+07	2.83E+06	1.25E+09	8.57E+05	5.99E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	7.08E+07	2.79E+06	1.23E+09	8.45E+05	5.90E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.72E+07	2.64E+06	1.17E+09	8.02E+05	5.60E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.96E+07	2.35E+06	1.04E+09	7.12E+05	4.97E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.76E+07	2.27E+06	1.00E+09	6.87E+05	4.80E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.79E+07	2.28E+06	1.01E+09	6.91E+05	4.83E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.90E+07	2.32E+06	1.03E+09	7.04E+05	4.92E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.11E+07	2.40E+06	1.06E+09	7.29E+05	5.09E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000

imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.22E+07	2.45E+06	1.08E+09	7.42E+05	5.18E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.30E+07	2.48E+06	1.09E+09	7.51E+05	5.25E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.56E+07	2.58E+06	1.14E+09	7.82E+05	5.47E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	6.30E+07	2.48E+06	1.10E+09	7.52E+05	5.25E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	5.04E+07	1.98E+06	8.76E+08	6.01E+05	4.20E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	4.42E+07	1.74E+06	7.69E+08	5.28E+05	3.69E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	4.10E+07	1.61E+06	7.13E+08	4.89E+05	3.42E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Grouted	3.55E+07	1.40E+06	6.17E+08	4.24E+05	2.96E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
Removed	4.57E+07	1.80E+06	7.95E+08	5.45E+05	3.81E+03
AB <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000



imiting <sub>PN</sub> DCGLs	0.000	0.000	0.000	0.000	0.000
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## ATIONS

Cs-137 <sup>(2)</sup>	Eu-152 <sup>(2)</sup>	Eu-154 <sup>(2)</sup>	OpSOF <sub>PN</sub>	OpSOF <sub>PN</sub>	OpSOF <sub>B</sub>
(pCi/m2)	(pCi/m2)	(pCi/m2)	CTMT <sub>PN</sub>	Limiting DCGL	CTMT/AB DCGL
6.04E+06	3.90E+04	5.31E+03	0.343	0.402	2.451
1.68E+06	1.08E+04	1.48E+03	0.095	0.112	0.682
1.01E+06	6.51E+03	8.87E+02	0.057	0.067	0.409
9.21E+05	5.94E+03	8.10E+02	0.052	0.061	0.374
1.75E+06	1.13E+04	1.54E+03	0.099	0.116	0.709
1.41E+06	9.11E+03	1.24E+03	0.080	0.094	0.573
4.47E+06	2.89E+04	3.94E+03	0.254	0.298	1.816
1.17E+06	7.56E+03	1.03E+03	0.067	0.078	0.475
8.56E+05	5.53E+03	7.54E+02	0.049	0.057	0.348
9.22E+05	5.95E+03	8.11E+02	0.052	0.061	0.374
3.97E+06	2.57E+04	3.50E+03	0.226	0.265	1.613

1.21E+06	7.82E+03	1.07E+03	0.069	0.081	0.492
8.42E+05	5.43E+03	7.41E+02	0.048	0.056	0.342
7.82E+05	5.05E+03	6.88E+02	0.044	0.052	0.317
8.70E+05	5.62E+03	7.66E+02	0.049	0.058	0.353
5.65E+06	3.64E+04	4.97E+03	0.321	0.376	2.291
1.36E+06	8.77E+03	1.20E+03	0.077	0.090	0.551
8.92E+05	5.76E+03	7.85E+02	0.051	0.059	0.362
8.58E+05	5.54E+03	7.55E+02	0.049	0.057	0.348
1.10E+06	7.11E+03	9.70E+02	0.063	0.073	0.447
3.50E+06	2.26E+04	3.08E+03	0.199	0.233	1.419
1.15E+06	7.41E+03	1.01E+03	0.065	0.076	0.466
8.97E+05	5.79E+03	7.89E+02	0.051	0.060	0.364
8.33E+05	5.38E+03	7.34E+02	0.047	0.055	0.338
9.91E+05	6.40E+03	8.73E+02	0.056	0.066	0.402
4.60E+06	2.97E+04	4.05E+03	0.261	0.306	1.867
1.61E+06	1.04E+04	1.41E+03	0.091	0.107	0.652
1.06E+06	6.87E+03	9.37E+02	0.060	0.071	0.432
9.18E+05	5.92E+03	8.08E+02	0.052	0.061	0.373
1.23E+06	7.94E+03	1.08E+03	0.070	0.082	0.499
4.88E+06	3.15E+04	4.29E+03	0.277	0.325	1.981
9.95E+05	6.42E+03	8.75E+02	0.056	0.066	0.404
8.76E+05	5.65E+03	7.71E+02	0.050	0.058	0.355
9.08E+05	5.86E+03	7.99E+02	0.052	0.060	0.369
1.02E+06	6.57E+03	8.96E+02	0.058	0.068	0.413
4.54E+06	2.93E+04	4.00E+03	0.258	0.302	1.844
1.68E+06	1.08E+04	1.48E+03	0.095	0.112	0.681
1.53E+06	9.86E+03	1.35E+03	0.087	0.102	0.620

8.79E+05	5.67E+03	7.74E+02	0.050	0.059	0.357
1.80E+06	1.16E+04	1.59E+03	0.102	0.120	0.733
4.60E+06	2.97E+04	4.05E+03	0.261	0.306	1.867
1.11E+06	7.17E+03	9.78E+02	0.063	0.074	0.451
1.16E+06	7.49E+03	1.02E+03	0.066	0.077	0.471
1.30E+06	8.39E+03	1.14E+03	0.074	0.087	0.528
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.884
4.15E+06	2.68E+04	3.65E+03	0.236	0.276	1.684
9.46E+05	6.10E+03	8.32E+02	0.054	0.063	0.384
9.85E+05	6.36E+03	8.67E+02	0.056	0.066	0.400
1.17E+06	7.54E+03	1.03E+03	0.066	0.078	0.474
1.24E+06	8.02E+03	1.09E+03	0.071	0.083	0.504
3.53E+06	2.28E+04	3.10E+03	0.200	0.235	1.431
1.06E+06	6.86E+03	9.35E+02	0.060	0.071	0.431
1.02E+06	6.56E+03	8.94E+02	0.058	0.068	0.412
1.05E+06	6.77E+03	9.23E+02	0.060	0.070	0.425
1.49E+06	9.61E+03	1.31E+03	0.085	0.099	0.605
6.16E+04	3.97E+02	5.42E+01	0.003	0.004	0.025
5.87E+05	3.79E+03	5.17E+02	0.033	0.039	0.238
5.34E+04	3.45E+02	4.70E+01	0.003	0.004	0.022
1.21E+08	7.80E+05	1.06E+05	6.864	8.048	49.060
1.38E+08	8.89E+05	1.21E+05	7.819	9.166	55.878
1.51E+08	9.77E+05	1.33E+05	8.600	10.082	61.460
1.46E+08	9.44E+05	1.29E+05	8.310	9.743	59.392
1.34E+08	8.68E+05	1.18E+05	7.635	8.951	54.568
1.19E+08	7.69E+05	1.05E+05	6.764	7.930	48.342
1.11E+08	7.18E+05	9.80E+04	6.321	7.411	45.178

1.04E+08	6.72E+05	9.17E+04	5.915	6.935	42.274
9.83E+07	6.34E+05	8.65E+04	5.581	6.543	39.886
1.05E+08	6.76E+05	9.22E+04	5.951	6.977	42.533
1.10E+08	7.10E+05	9.68E+04	6.243	7.319	44.617
1.10E+08	7.08E+05	9.66E+04	6.231	7.305	44.532
1.15E+08	7.45E+05	1.02E+05	6.555	7.685	46.850
1.03E+08	6.64E+05	9.06E+04	5.845	6.853	41.776
8.00E+07	5.16E+05	7.04E+04	4.544	5.327	32.475
6.76E+07	4.37E+05	5.95E+04	3.841	4.503	27.452
6.31E+07	4.07E+05	5.55E+04	3.582	4.200	25.603
6.09E+07	3.93E+05	5.36E+04	3.456	4.052	24.700
6.29E+07	4.06E+05	5.53E+04	3.570	4.185	25.512
5.10E+07	3.29E+05	4.49E+04	2.897	3.396	20.701
3.76E+07	2.43E+05	3.31E+04	2.137	2.505	15.271
3.29E+07	2.13E+05	2.90E+04	1.870	2.193	13.366
2.40E+07	1.55E+05	2.11E+04	1.362	1.597	9.734
1.32E+07	8.52E+04	1.16E+04	0.749	0.879	5.356
1.03E+07	6.66E+04	9.08E+03	0.586	0.687	4.186
8.57E+06	5.53E+04	7.54E+03	0.487	0.571	3.478
8.51E+06	5.49E+04	7.49E+03	0.483	0.567	3.455
6.64E+06	4.28E+04	5.84E+03	0.377	0.442	2.694
5.04E+06	3.25E+04	4.44E+03	0.286	0.336	2.046
4.37E+06	2.82E+04	3.85E+03	0.248	0.291	1.776
4.12E+06	2.66E+04	3.62E+03	0.234	0.274	1.670
3.97E+06	2.56E+04	3.49E+03	0.225	0.264	1.610
4.17E+06	2.69E+04	3.67E+03	0.237	0.277	1.691
4.55E+06	2.94E+04	4.00E+03	0.258	0.303	1.846

5.67E+06	3.66E+04	4.99E+03	0.322	0.378	2.302
4.59E+06	2.96E+04	4.04E+03	0.261	0.305	1.862
4.50E+06	2.90E+04	3.96E+03	0.255	0.299	1.825
3.74E+06	2.42E+04	3.29E+03	0.213	0.249	1.519
3.46E+06	2.23E+04	3.05E+03	0.197	0.230	1.404
3.46E+06	2.24E+04	3.05E+03	0.197	0.231	1.406
3.58E+06	2.31E+04	3.15E+03	0.203	0.238	1.453
3.93E+06	2.54E+04	3.46E+03	0.223	0.262	1.595
3.88E+06	2.50E+04	3.41E+03	0.220	0.258	1.574
5.39E+06	3.48E+04	4.74E+03	0.306	0.359	2.188
3.79E+06	2.45E+04	3.34E+03	0.215	0.252	1.538
3.37E+06	2.18E+04	2.97E+03	0.191	0.224	1.368
3.49E+06	2.25E+04	3.07E+03	0.198	0.233	1.418
4.12E+06	2.66E+04	3.63E+03	0.234	0.274	1.673
3.88E+06	2.51E+04	3.42E+03	0.220	0.258	1.576
3.72E+06	2.40E+04	3.27E+03	0.211	0.247	1.509
4.66E+07	3.01E+05	4.10E+04	2.647	3.103	18.915
3.86E+07	2.49E+05	3.40E+04	2.194	2.573	15.683
4.04E+07	2.61E+05	3.55E+04	2.293	2.688	16.385
4.08E+07	2.63E+05	3.59E+04	2.318	2.717	16.564
4.02E+07	2.60E+05	3.54E+04	2.286	2.680	16.335
3.82E+07	2.46E+05	3.36E+04	2.169	2.543	15.500
3.39E+07	2.19E+05	2.98E+04	1.924	2.256	13.752
3.27E+07	2.11E+05	2.88E+04	1.859	2.180	13.287
3.29E+07	2.12E+05	2.90E+04	1.868	2.190	13.351
3.35E+07	2.16E+05	2.95E+04	1.904	2.232	13.606
3.47E+07	2.24E+05	3.05E+04	1.971	2.311	14.086

3.53E+07	2.28E+05	3.11E+04	2.007	2.352	14.340
3.58E+07	2.31E+05	3.15E+04	2.031	2.381	14.517
3.73E+07	2.40E+05	3.28E+04	2.116	2.480	15.121
3.58E+07	2.31E+05	3.15E+04	2.034	2.384	14.535
2.86E+07	1.85E+05	2.52E+04	1.626	1.907	11.624
2.51E+07	1.62E+05	2.21E+04	1.427	1.673	10.200
2.33E+07	1.50E+05	2.05E+04	1.323	1.551	9.454
2.02E+07	1.30E+05	1.78E+04	1.146	1.343	8.189
1.67E+07	1.08E+05	1.47E+04	0.947	1.111	6.771
1.39E+07	9.00E+04	1.23E+04	0.792	0.928	5.658
1.12E+07	7.24E+04	9.88E+03	0.637	0.747	4.555
7.99E+06	5.16E+04	7.03E+03	0.454	0.532	3.243
5.86E+06	3.78E+04	5.16E+03	0.333	0.390	2.380
4.61E+06	2.98E+04	4.06E+03	0.262	0.307	1.871
4.51E+06	2.91E+04	3.97E+03	0.256	0.300	1.830
3.87E+06	2.50E+04	3.41E+03	0.220	0.258	1.571
3.61E+06	2.33E+04	3.18E+03	0.205	0.240	1.465
3.32E+06	2.14E+04	2.92E+03	0.189	0.221	1.347
3.18E+06	2.05E+04	2.80E+03	0.181	0.212	1.291
3.19E+06	2.06E+04	2.81E+03	0.181	0.212	1.295
3.02E+06	1.95E+04	2.66E+03	0.172	0.201	1.227
3.00E+06	1.93E+04	2.64E+03	0.170	0.200	1.217
2.99E+06	1.93E+04	2.63E+03	0.170	0.199	1.214
3.33E+06	2.15E+04	2.93E+03	0.189	0.222	1.352
3.00E+06	1.94E+04	2.64E+03	0.170	0.200	1.218
2.82E+06	1.82E+04	2.49E+03	0.160	0.188	1.146
2.74E+06	1.77E+04	2.41E+03	0.156	0.183	1.113

2.75E+06	1.78E+04	2.42E+03	0.156	0.183	1.118
2.82E+06	1.82E+04	2.48E+03	0.160	0.188	1.145
2.71E+06	1.75E+04	2.38E+03	0.154	0.180	1.099
2.73E+06	1.76E+04	2.40E+03	0.155	0.182	1.107
2.87E+06	1.86E+04	2.53E+03	0.163	0.191	1.167
2.89E+06	1.87E+04	2.54E+03	0.164	0.192	1.173
2.73E+06	1.76E+04	2.40E+03	0.155	0.182	1.107
2.71E+06	1.75E+04	2.38E+03	0.154	0.180	1.099
2.61E+06	1.68E+04	2.30E+03	0.148	0.174	1.059
2.53E+06	1.63E+04	2.23E+03	0.144	0.169	1.028
2.61E+06	1.68E+04	2.29E+03	0.148	0.174	1.058
2.57E+06	1.66E+04	2.26E+03	0.146	0.171	1.041
8.88E+06	5.73E+04	7.82E+03	0.504	0.591	3.604
4.11E+06	2.65E+04	3.62E+03	0.233	0.274	1.668
4.37E+06	2.82E+04	3.84E+03	0.248	0.291	1.773
2.55E+06	1.65E+04	2.25E+03	0.145	0.170	1.037
2.37E+06	1.53E+04	2.08E+03	0.134	0.158	0.961
2.44E+06	1.57E+04	2.15E+03	0.139	0.162	0.990
2.30E+06	1.49E+04	2.03E+03	0.131	0.153	0.934
2.30E+06	1.48E+04	2.02E+03	0.130	0.153	0.932
2.22E+06	1.43E+04	1.95E+03	0.126	0.148	0.900
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.913
2.24E+06	1.45E+04	1.97E+03	0.127	0.149	0.910
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.912
2.29E+06	1.48E+04	2.02E+03	0.130	0.153	0.931
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.913
2.17E+06	1.40E+04	1.91E+03	0.123	0.145	0.882



2.20E+06	1.42E+04	1.94E+03	0.125	0.147	0.893
2.20E+06	1.42E+04	1.93E+03	0.125	0.146	0.891
2.11E+06	1.36E+04	1.86E+03	0.120	0.141	0.857
2.22E+06	1.43E+04	1.95E+03	0.126	0.148	0.899
2.20E+06	1.42E+04	1.94E+03	0.125	0.147	0.895
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.874
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.874
2.09E+06	1.35E+04	1.84E+03	0.119	0.139	0.850
1.98E+06	1.28E+04	1.75E+03	0.113	0.132	0.805
1.93E+06	1.25E+04	1.70E+03	0.110	0.129	0.784
1.99E+06	1.28E+04	1.75E+03	0.113	0.132	0.806
1.93E+06	1.25E+04	1.70E+03	0.110	0.129	0.784
1.97E+06	1.27E+04	1.73E+03	0.112	0.131	0.799
1.98E+06	1.28E+04	1.74E+03	0.112	0.132	0.802
1.97E+06	1.27E+04	1.73E+03	0.112	0.131	0.799
1.97E+06	1.27E+04	1.73E+03	0.112	0.131	0.799
2.05E+06	1.32E+04	1.80E+03	0.116	0.136	0.832
2.03E+06	1.31E+04	1.79E+03	0.116	0.135	0.826
2.03E+06	1.31E+04	1.78E+03	0.115	0.135	0.822
2.00E+06	1.29E+04	1.76E+03	0.113	0.133	0.811
2.03E+06	1.31E+04	1.79E+03	0.115	0.135	0.825
2.06E+06	1.33E+04	1.81E+03	0.117	0.137	0.836
1.99E+06	1.29E+04	1.75E+03	0.113	0.133	0.808
1.99E+06	1.29E+04	1.76E+03	0.113	0.133	0.809
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.812
2.04E+06	1.32E+04	1.79E+03	0.116	0.136	0.827
2.08E+06	1.34E+04	1.83E+03	0.118	0.138	0.843

2.09E+06	1.35E+04	1.84E+03	0.119	0.139	0.850
2.13E+06	1.38E+04	1.88E+03	0.121	0.142	0.865
2.12E+06	1.37E+04	1.87E+03	0.120	0.141	0.861
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.886
2.17E+06	1.40E+04	1.91E+03	0.123	0.145	0.882
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.914
2.30E+06	1.48E+04	2.02E+03	0.130	0.153	0.932
2.31E+06	1.49E+04	2.04E+03	0.131	0.154	0.939
1.35E+07	8.70E+04	1.19E+04	0.765	0.897	5.470
4.60E+06	2.97E+04	4.05E+03	0.261	0.306	1.866
2.70E+06	1.74E+04	2.37E+03	0.153	0.179	1.094
2.48E+06	1.60E+04	2.18E+03	0.141	0.165	1.005
2.45E+06	1.58E+04	2.15E+03	0.139	0.163	0.993
2.37E+06	1.53E+04	2.09E+03	0.135	0.158	0.962
2.23E+06	1.44E+04	1.97E+03	0.127	0.149	0.906
2.24E+06	1.45E+04	1.97E+03	0.127	0.149	0.910
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.884
2.20E+06	1.42E+04	1.93E+03	0.125	0.146	0.891
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.886
2.16E+06	1.39E+04	1.90E+03	0.122	0.143	0.875
2.11E+06	1.36E+04	1.86E+03	0.120	0.141	0.857
2.13E+06	1.37E+04	1.87E+03	0.121	0.142	0.863
2.17E+06	1.40E+04	1.91E+03	0.123	0.145	0.882
2.10E+06	1.36E+04	1.85E+03	0.119	0.140	0.853
2.14E+06	1.38E+04	1.88E+03	0.122	0.143	0.869
2.11E+06	1.36E+04	1.86E+03	0.120	0.140	0.856
2.08E+06	1.34E+04	1.83E+03	0.118	0.139	0.844

2.05E+06	1.32E+04	1.80E+03	0.116	0.136	0.832
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.773
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.779
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.773
1.81E+06	1.17E+04	1.60E+03	0.103	0.121	0.736
1.85E+06	1.19E+04	1.63E+03	0.105	0.123	0.751
1.84E+06	1.19E+04	1.62E+03	0.104	0.122	0.746
1.89E+06	1.22E+04	1.67E+03	0.108	0.126	0.769
1.93E+06	1.25E+04	1.70E+03	0.110	0.129	0.785
1.90E+06	1.22E+04	1.67E+03	0.108	0.126	0.770
1.93E+06	1.25E+04	1.70E+03	0.110	0.129	0.785
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.780
1.97E+06	1.27E+04	1.73E+03	0.112	0.131	0.799
1.98E+06	1.28E+04	1.74E+03	0.112	0.132	0.804
1.95E+06	1.26E+04	1.72E+03	0.111	0.130	0.793
1.99E+06	1.28E+04	1.75E+03	0.113	0.132	0.806
1.99E+06	1.29E+04	1.76E+03	0.113	0.133	0.809
1.97E+06	1.27E+04	1.74E+03	0.112	0.131	0.801
1.96E+06	1.27E+04	1.73E+03	0.111	0.131	0.797
1.93E+06	1.24E+04	1.70E+03	0.110	0.128	0.783
1.96E+06	1.26E+04	1.72E+03	0.111	0.130	0.795
2.03E+06	1.31E+04	1.79E+03	0.115	0.135	0.825
1.99E+06	1.29E+04	1.75E+03	0.113	0.133	0.808
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.812
2.09E+06	1.35E+04	1.84E+03	0.119	0.139	0.849
2.07E+06	1.34E+04	1.83E+03	0.118	0.138	0.842
2.23E+06	1.44E+04	1.96E+03	0.126	0.148	0.904

2.37E+06	1.53E+04	2.08E+03	0.134	0.158	0.961
2.67E+06	1.72E+04	2.35E+03	0.152	0.178	1.084
2.39E+06	1.54E+04	2.10E+03	0.136	0.159	0.969
2.14E+06	1.38E+04	1.88E+03	0.121	0.142	0.868
1.02E+07	6.57E+04	8.95E+03	0.578	0.677	4.129
3.68E+06	2.37E+04	3.24E+03	0.209	0.245	1.493
2.68E+06	1.73E+04	2.36E+03	0.152	0.179	1.089
2.50E+06	1.61E+04	2.20E+03	0.142	0.166	1.014
2.43E+06	1.57E+04	2.14E+03	0.138	0.162	0.986
2.34E+06	1.51E+04	2.06E+03	0.133	0.156	0.952
2.28E+06	1.47E+04	2.00E+03	0.129	0.152	0.924
2.35E+06	1.52E+04	2.07E+03	0.133	0.157	0.954
2.32E+06	1.49E+04	2.04E+03	0.132	0.154	0.940
2.22E+06	1.43E+04	1.95E+03	0.126	0.148	0.899
2.24E+06	1.44E+04	1.97E+03	0.127	0.149	0.907
2.29E+06	1.48E+04	2.02E+03	0.130	0.153	0.931
2.26E+06	1.46E+04	1.99E+03	0.128	0.150	0.917
2.28E+06	1.47E+04	2.01E+03	0.130	0.152	0.926
2.31E+06	1.49E+04	2.04E+03	0.131	0.154	0.939
2.27E+06	1.46E+04	2.00E+03	0.129	0.151	0.920
2.24E+06	1.44E+04	1.97E+03	0.127	0.149	0.907
2.20E+06	1.42E+04	1.94E+03	0.125	0.147	0.895
2.17E+06	1.40E+04	1.91E+03	0.123	0.144	0.881
2.07E+06	1.34E+04	1.83E+03	0.118	0.138	0.842
2.01E+06	1.30E+04	1.77E+03	0.114	0.134	0.816
2.03E+06	1.31E+04	1.79E+03	0.115	0.135	0.823
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.813

1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.766
1.96E+06	1.26E+04	1.72E+03	0.111	0.130	0.795
1.94E+06	1.25E+04	1.71E+03	0.110	0.129	0.788
1.89E+06	1.22E+04	1.67E+03	0.108	0.126	0.769
1.96E+06	1.27E+04	1.73E+03	0.111	0.131	0.797
1.95E+06	1.26E+04	1.72E+03	0.111	0.130	0.793
1.95E+06	1.26E+04	1.72E+03	0.111	0.130	0.792
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.812
2.02E+06	1.30E+04	1.78E+03	0.115	0.135	0.820
2.02E+06	1.30E+04	1.78E+03	0.115	0.135	0.820
2.12E+06	1.37E+04	1.87E+03	0.120	0.141	0.861
2.13E+06	1.37E+04	1.87E+03	0.121	0.142	0.863
2.20E+06	1.42E+04	1.94E+03	0.125	0.147	0.893
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.885
2.20E+06	1.42E+04	1.93E+03	0.125	0.146	0.892
2.17E+06	1.40E+04	1.91E+03	0.123	0.144	0.879
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.874
2.19E+06	1.42E+04	1.93E+03	0.125	0.146	0.890
2.26E+06	1.46E+04	1.99E+03	0.129	0.151	0.919
2.22E+06	1.43E+04	1.95E+03	0.126	0.148	0.900
2.32E+06	1.49E+04	2.04E+03	0.132	0.154	0.940
2.40E+06	1.55E+04	2.11E+03	0.136	0.160	0.974
2.40E+06	1.55E+04	2.11E+03	0.136	0.160	0.975
2.46E+06	1.59E+04	2.16E+03	0.140	0.164	0.997
2.50E+06	1.61E+04	2.20E+03	0.142	0.166	1.015
2.58E+06	1.67E+04	2.27E+03	0.147	0.172	1.049
2.79E+06	1.80E+04	2.46E+03	0.158	0.186	1.132

2.50E+06	1.61E+04	2.20E+03	0.142	0.166	1.015
9.15E+05	5.90E+03	8.05E+02	0.052	0.061	0.371
1.09E+06	7.02E+03	9.57E+02	0.062	0.072	0.441
4.23E+06	2.73E+04	3.73E+03	0.240	0.282	1.718
2.30E+06	1.48E+04	2.02E+03	0.130	0.153	0.931
2.98E+06	1.93E+04	2.63E+03	0.169	0.199	1.211
3.50E+06	2.26E+04	3.08E+03	0.199	0.233	1.422
4.09E+06	2.64E+04	3.60E+03	0.232	0.272	1.660
5.22E+06	3.37E+04	4.60E+03	0.297	0.348	2.120
8.29E+06	5.35E+04	7.29E+03	0.471	0.552	3.363
3.16E+06	2.04E+04	2.78E+03	0.180	0.210	1.283
3.45E+06	2.23E+04	3.04E+03	0.196	0.230	1.401
4.51E+06	2.91E+04	3.97E+03	0.256	0.300	1.830
6.02E+06	3.89E+04	5.30E+03	0.342	0.401	2.444
5.25E+06	3.39E+04	4.62E+03	0.298	0.349	2.129
1.55E+07	1.00E+05	1.37E+04	0.882	1.034	6.301
2.60E+07	1.68E+05	2.29E+04	1.475	1.729	10.541
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.774
3.28E+06	2.12E+04	2.89E+03	0.186	0.218	1.332
1.00E+06	6.46E+03	8.81E+02	0.057	0.067	0.406
6.19E+04	4.00E+02	5.45E+01	0.004	0.004	0.025
1.59E+05	1.02E+03	1.40E+02	0.009	0.011	0.064
7.46E+04	4.82E+02	6.57E+01	0.004	0.005	0.030
6.66E+04	4.30E+02	5.86E+01	0.004	0.004	0.027
7.23E+04	4.67E+02	6.36E+01	0.004	0.005	0.029
5.31E+06	3.43E+04	4.68E+03	0.302	0.354	2.157
2.16E+06	1.39E+04	1.90E+03	0.123	0.144	0.876

1.47E+06	9.46E+03	1.29E+03	0.083	0.098	0.595
1.25E+06	8.04E+03	1.10E+03	0.071	0.083	0.506
1.44E+06	9.32E+03	1.27E+03	0.082	0.096	0.586
6.65E+06	4.29E+04	5.86E+03	0.378	0.443	2.701
1.63E+06	1.06E+04	1.44E+03	0.093	0.109	0.663
9.89E+05	6.39E+03	8.71E+02	0.056	0.066	0.402
8.06E+05	5.20E+03	7.09E+02	0.046	0.054	0.327
7.98E+05	5.15E+03	7.02E+02	0.045	0.053	0.324
1.19E+05	7.68E+02	1.05E+02	0.007	0.008	0.048
2.85E+05	1.84E+03	2.51E+02	0.016	0.019	0.116
1.93E+05	1.24E+03	1.70E+02	0.011	0.013	0.078
2.11E+06	1.36E+04	1.86E+03	0.120	0.140	0.856
7.95E+05	5.13E+03	7.00E+02	0.045	0.053	0.323
7.33E+05	4.73E+03	6.45E+02	0.042	0.049	0.298
7.60E+05	4.91E+03	6.69E+02	0.043	0.051	0.309
6.29E+04	4.06E+02	5.54E+01	0.004	0.004	0.026
4.87E+04	3.14E+02	4.29E+01	0.003	0.003	0.020
6.21E+04	4.01E+02	5.46E+01	0.004	0.004	0.025
6.63E+04	4.28E+02	5.83E+01	0.004	0.004	0.027
8.62E+06	5.56E+04	7.58E+03	0.489	0.574	3.498
1.71E+06	1.10E+04	1.50E+03	0.097	0.114	0.692
1.28E+06	8.28E+03	1.13E+03	0.073	0.085	0.521
1.17E+06	7.58E+03	1.03E+03	0.067	0.078	0.477
3.43E+06	2.22E+04	3.02E+03	0.195	0.229	1.394
1.17E+06	7.55E+03	1.03E+03	0.066	0.078	0.475
1.00E+06	6.46E+03	8.81E+02	0.057	0.067	0.406
1.23E+06	7.95E+03	1.08E+03	0.070	0.082	0.500

5.75E+06	3.71E+04	5.06E+03	0.326	0.383	2.332
1.22E+06	7.86E+03	1.07E+03	0.069	0.081	0.494
9.13E+05	5.89E+03	8.04E+02	0.052	0.061	0.371
1.06E+06	6.83E+03	9.31E+02	0.060	0.070	0.429
4.04E+06	2.61E+04	3.56E+03	0.230	0.269	1.641
1.32E+06	8.53E+03	1.16E+03	0.075	0.088	0.536
1.25E+06	8.09E+03	1.10E+03	0.071	0.083	0.509
1.51E+06	9.73E+03	1.33E+03	0.086	0.100	0.612
5.46E+06	3.52E+04	4.80E+03	0.310	0.363	2.214
1.30E+06	8.36E+03	1.14E+03	0.074	0.086	0.526
1.11E+06	7.18E+03	9.79E+02	0.063	0.074	0.452
1.27E+06	8.22E+03	1.12E+03	0.072	0.085	0.517
7.59E+06	4.90E+04	6.68E+03	0.431	0.505	3.080
1.06E+06	6.81E+03	9.29E+02	0.060	0.070	0.428
7.24E+05	4.67E+03	6.37E+02	0.041	0.048	0.294
7.40E+05	4.78E+03	6.51E+02	0.042	0.049	0.300
7.12E+05	4.60E+03	6.27E+02	0.040	0.047	0.289
1.01E+07	6.51E+04	8.88E+03	0.573	0.672	4.094
1.18E+06	7.60E+03	1.04E+03	0.067	0.078	0.478
8.38E+05	5.41E+03	7.38E+02	0.048	0.056	0.340
8.01E+05	5.17E+03	7.05E+02	0.045	0.053	0.325
7.96E+05	5.14E+03	7.01E+02	0.045	0.053	0.323
1.18E+07	7.60E+04	1.04E+04	0.668	0.783	4.776
3.88E+06	2.50E+04	3.41E+03	0.220	0.258	1.573
5.11E+06	3.30E+04	4.50E+03	0.290	0.340	2.075
4.60E+06	2.97E+04	4.05E+03	0.261	0.306	1.867
3.88E+06	2.50E+04	3.41E+03	0.220	0.258	1.573



5.32E+06	3.44E+04	4.69E+03	0.302	0.354	2.161
7.05E+06	4.55E+04	6.21E+03	0.400	0.469	2.862
8.36E+05	5.39E+03	7.36E+02	0.047	0.056	0.339
6.70E+05	4.33E+03	5.90E+02	0.038	0.045	0.272
6.26E+05	4.04E+03	5.51E+02	0.036	0.042	0.254
6.86E+05	4.43E+03	6.04E+02	0.039	0.046	0.279
6.91E+06	4.46E+04	6.08E+03	0.392	0.460	2.805
1.04E+06	6.74E+03	9.19E+02	0.059	0.069	0.424
8.87E+05	5.73E+03	7.81E+02	0.050	0.059	0.360
9.57E+05	6.18E+03	8.43E+02	0.054	0.064	0.389
8.20E+05	5.29E+03	7.21E+02	0.047	0.055	0.333
5.63E+06	3.63E+04	4.95E+03	0.320	0.375	2.285
1.03E+06	6.65E+03	9.06E+02	0.058	0.069	0.418
8.64E+05	5.58E+03	7.61E+02	0.049	0.058	0.351
9.06E+05	5.85E+03	7.98E+02	0.051	0.060	0.368
8.81E+05	5.69E+03	7.76E+02	0.050	0.059	0.358
1.92E+05	1.24E+03	1.69E+02	0.011	0.013	0.078
4.10E+04	2.65E+02	3.61E+01	0.002	0.003	0.017
4.10E+04	2.65E+02	3.61E+01	0.002	0.003	0.017
1.58E+05	1.02E+03	1.39E+02	0.009	0.011	0.064
1.17E+05	7.57E+02	1.03E+02	0.007	0.008	0.048
3.64E+04	2.35E+02	3.20E+01	0.002	0.002	0.015
1.26E+05	8.13E+02	1.11E+02	0.007	0.008	0.051
6.83E+06	4.41E+04	6.01E+03	0.388	0.455	2.772
3.16E+06	2.04E+04	2.78E+03	0.179	0.210	1.282
2.34E+06	1.51E+04	2.06E+03	0.133	0.156	0.950
2.28E+06	1.47E+04	2.00E+03	0.129	0.152	0.925

2.29E+06	1.48E+04	2.02E+03	0.130	0.152	0.929
2.22E+06	1.43E+04	1.95E+03	0.126	0.147	0.899
2.16E+06	1.40E+04	1.90E+03	0.123	0.144	0.878
2.12E+06	1.37E+04	1.87E+03	0.120	0.141	0.861
2.22E+06	1.43E+04	1.95E+03	0.126	0.148	0.900
2.14E+06	1.38E+04	1.88E+03	0.121	0.142	0.868
2.12E+06	1.37E+04	1.86E+03	0.120	0.141	0.859
2.19E+06	1.41E+04	1.93E+03	0.124	0.146	0.888
2.19E+06	1.42E+04	1.93E+03	0.125	0.146	0.890
2.14E+06	1.38E+04	1.89E+03	0.122	0.143	0.870
2.23E+06	1.44E+04	1.96E+03	0.126	0.148	0.903
2.13E+06	1.37E+04	1.87E+03	0.121	0.142	0.864
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.886
2.30E+06	1.49E+04	2.03E+03	0.131	0.153	0.934
2.23E+06	1.44E+04	1.97E+03	0.127	0.149	0.907
2.07E+06	1.34E+04	1.82E+03	0.118	0.138	0.841
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.767
1.90E+06	1.23E+04	1.67E+03	0.108	0.127	0.772
1.87E+06	1.21E+04	1.65E+03	0.106	0.125	0.760
1.81E+06	1.17E+04	1.59E+03	0.103	0.121	0.735
1.88E+06	1.21E+04	1.65E+03	0.107	0.125	0.762
1.82E+06	1.18E+04	1.61E+03	0.104	0.121	0.740
1.87E+06	1.21E+04	1.65E+03	0.106	0.125	0.760
1.88E+06	1.21E+04	1.66E+03	0.107	0.125	0.763
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.766
1.84E+06	1.19E+04	1.62E+03	0.105	0.123	0.748
1.84E+06	1.19E+04	1.62E+03	0.105	0.123	0.748

1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.752
1.83E+06	1.18E+04	1.61E+03	0.104	0.122	0.744
1.83E+06	1.18E+04	1.61E+03	0.104	0.122	0.743
1.84E+06	1.19E+04	1.62E+03	0.104	0.122	0.746
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.755
1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.751
1.84E+06	1.19E+04	1.62E+03	0.104	0.122	0.747
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.768
1.83E+06	1.18E+04	1.61E+03	0.104	0.122	0.743
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.757
1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.752
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.756
1.84E+06	1.19E+04	1.62E+03	0.105	0.123	0.748
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.779
1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.752
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.768
1.90E+06	1.22E+04	1.67E+03	0.108	0.126	0.770
1.84E+06	1.18E+04	1.62E+03	0.104	0.122	0.745
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.754
5.93E+06	3.83E+04	5.22E+03	0.337	0.395	2.405
3.17E+06	2.05E+04	2.79E+03	0.180	0.211	1.287
2.27E+06	1.47E+04	2.00E+03	0.129	0.151	0.923
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.914
2.24E+06	1.44E+04	1.97E+03	0.127	0.149	0.907
2.17E+06	1.40E+04	1.91E+03	0.123	0.145	0.882
2.08E+06	1.34E+04	1.83E+03	0.118	0.138	0.842
2.06E+06	1.33E+04	1.82E+03	0.117	0.137	0.838

2.03E+06	1.31E+04	1.79E+03	0.116	0.135	0.826
2.06E+06	1.33E+04	1.81E+03	0.117	0.137	0.836
1.99E+06	1.29E+04	1.75E+03	0.113	0.133	0.809
2.04E+06	1.32E+04	1.80E+03	0.116	0.136	0.828
2.06E+06	1.33E+04	1.81E+03	0.117	0.137	0.836
2.02E+06	1.30E+04	1.78E+03	0.115	0.135	0.821
2.03E+06	1.31E+04	1.79E+03	0.115	0.135	0.825
2.05E+06	1.32E+04	1.81E+03	0.117	0.137	0.833
2.06E+06	1.33E+04	1.82E+03	0.117	0.137	0.838
2.08E+06	1.34E+04	1.83E+03	0.118	0.139	0.845
2.08E+06	1.34E+04	1.83E+03	0.118	0.138	0.843
1.97E+06	1.27E+04	1.73E+03	0.112	0.131	0.799
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.781
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.768
1.82E+06	1.17E+04	1.60E+03	0.103	0.121	0.738
1.77E+06	1.14E+04	1.56E+03	0.101	0.118	0.719
1.80E+06	1.16E+04	1.59E+03	0.103	0.120	0.733
1.81E+06	1.17E+04	1.59E+03	0.103	0.121	0.735
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.756
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.767
1.84E+06	1.19E+04	1.62E+03	0.105	0.123	0.748
1.85E+06	1.19E+04	1.63E+03	0.105	0.123	0.750
1.88E+06	1.21E+04	1.65E+03	0.107	0.125	0.762
1.87E+06	1.21E+04	1.65E+03	0.106	0.125	0.760
1.79E+06	1.16E+04	1.58E+03	0.102	0.119	0.727
1.87E+06	1.20E+04	1.64E+03	0.106	0.124	0.757
1.87E+06	1.21E+04	1.64E+03	0.106	0.124	0.758

1.82E+06	1.17E+04	1.60E+03	0.103	0.121	0.737
1.90E+06	1.23E+04	1.68E+03	0.108	0.127	0.773
1.84E+06	1.19E+04	1.62E+03	0.105	0.123	0.748
1.90E+06	1.23E+04	1.67E+03	0.108	0.127	0.772
1.93E+06	1.25E+04	1.70E+03	0.110	0.129	0.785
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.775
1.87E+06	1.21E+04	1.65E+03	0.106	0.125	0.759
1.90E+06	1.23E+04	1.67E+03	0.108	0.127	0.771
1.89E+06	1.22E+04	1.67E+03	0.108	0.126	0.769
1.88E+06	1.21E+04	1.65E+03	0.106	0.125	0.761
1.93E+06	1.24E+04	1.70E+03	0.110	0.128	0.783
1.94E+06	1.25E+04	1.71E+03	0.110	0.129	0.787
1.95E+06	1.26E+04	1.71E+03	0.111	0.130	0.790
1.89E+06	1.22E+04	1.67E+03	0.108	0.126	0.769
1.98E+06	1.28E+04	1.74E+03	0.112	0.132	0.803
5.25E+06	3.39E+04	4.62E+03	0.298	0.350	2.133
2.81E+06	1.81E+04	2.47E+03	0.159	0.187	1.140
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.914
2.28E+06	1.47E+04	2.00E+03	0.129	0.152	0.924
2.25E+06	1.45E+04	1.98E+03	0.128	0.150	0.914
2.27E+06	1.46E+04	1.99E+03	0.129	0.151	0.920
2.22E+06	1.43E+04	1.96E+03	0.126	0.148	0.902
2.24E+06	1.45E+04	1.97E+03	0.127	0.149	0.911
2.28E+06	1.47E+04	2.00E+03	0.129	0.152	0.925
2.27E+06	1.47E+04	2.00E+03	0.129	0.151	0.922
2.21E+06	1.42E+04	1.94E+03	0.125	0.147	0.896
2.21E+06	1.43E+04	1.95E+03	0.126	0.147	0.898

2.20E+06	1.42E+04	1.94E+03	0.125	0.146	0.892
2.20E+06	1.42E+04	1.93E+03	0.125	0.146	0.892
2.18E+06	1.41E+04	1.92E+03	0.124	0.145	0.887
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.872
2.17E+06	1.40E+04	1.91E+03	0.123	0.144	0.880
2.14E+06	1.38E+04	1.89E+03	0.122	0.143	0.870
2.10E+06	1.36E+04	1.85E+03	0.119	0.140	0.853
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.814
1.96E+06	1.26E+04	1.72E+03	0.111	0.130	0.795
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.778
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.765
1.83E+06	1.18E+04	1.61E+03	0.104	0.122	0.745
1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.752
1.85E+06	1.20E+04	1.63E+03	0.105	0.123	0.753
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.781
1.87E+06	1.21E+04	1.65E+03	0.106	0.125	0.761
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.780
1.89E+06	1.22E+04	1.66E+03	0.107	0.126	0.767
1.88E+06	1.21E+04	1.65E+03	0.107	0.125	0.762
1.88E+06	1.22E+04	1.66E+03	0.107	0.125	0.764
1.85E+06	1.19E+04	1.63E+03	0.105	0.123	0.750
1.86E+06	1.20E+04	1.63E+03	0.105	0.124	0.754
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.755
1.88E+06	1.21E+04	1.66E+03	0.107	0.125	0.764
1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.756
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.779
1.89E+06	1.22E+04	1.67E+03	0.108	0.126	0.768

1.86E+06	1.20E+04	1.64E+03	0.106	0.124	0.756
1.87E+06	1.20E+04	1.64E+03	0.106	0.124	0.757
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.775
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.779
1.91E+06	1.23E+04	1.68E+03	0.108	0.127	0.775
1.92E+06	1.24E+04	1.69E+03	0.109	0.128	0.779
2.00E+06	1.29E+04	1.76E+03	0.114	0.133	0.812
1.99E+06	1.28E+04	1.75E+03	0.113	0.132	0.807
1.95E+06	1.26E+04	1.72E+03	0.111	0.130	0.792
1.95E+06	1.26E+04	1.71E+03	0.111	0.130	0.790
2.06E+06	1.33E+04	1.81E+03	0.117	0.137	0.835
7.94E+06	5.12E+04	6.99E+03	0.451	0.529	3.222
1.03E+07	6.64E+04	9.06E+03	0.584	0.685	4.176
3.73E+06	2.40E+04	3.28E+03	0.212	0.248	1.512
2.85E+06	1.84E+04	2.51E+03	0.162	0.190	1.158
2.96E+06	1.91E+04	2.61E+03	0.168	0.197	1.203
3.46E+06	2.23E+04	3.04E+03	0.196	0.230	1.403
3.47E+06	2.24E+04	3.06E+03	0.197	0.231	1.410
3.57E+06	2.30E+04	3.14E+03	0.203	0.237	1.447
4.42E+06	2.85E+04	3.89E+03	0.251	0.294	1.792
4.27E+06	2.75E+04	3.75E+03	0.242	0.284	1.731
3.08E+06	1.98E+04	2.71E+03	0.175	0.205	1.248
2.73E+06	1.76E+04	2.41E+03	0.155	0.182	1.110
2.64E+06	1.70E+04	2.32E+03	0.150	0.176	1.071
2.55E+06	1.65E+04	2.24E+03	0.145	0.170	1.035
2.57E+06	1.66E+04	2.26E+03	0.146	0.171	1.044
2.61E+06	1.68E+04	2.29E+03	0.148	0.174	1.058

3.05E+06	1.97E+04	2.69E+03	0.173	0.203	1.240
4.48E+06	2.89E+04	3.94E+03	0.254	0.298	1.818
3.43E+06	2.21E+04	3.02E+03	0.195	0.228	1.392
2.81E+06	1.81E+04	2.47E+03	0.160	0.187	1.141
2.60E+06	1.68E+04	2.29E+03	0.148	0.173	1.056
2.31E+06	1.49E+04	2.03E+03	0.131	0.154	0.938
2.28E+06	1.47E+04	2.01E+03	0.130	0.152	0.927
2.20E+06	1.42E+04	1.94E+03	0.125	0.146	0.893
2.14E+06	1.38E+04	1.88E+03	0.121	0.142	0.867
2.34E+06	1.51E+04	2.06E+03	0.133	0.155	0.948
3.02E+06	1.95E+04	2.66E+03	0.171	0.201	1.225
2.62E+06	1.69E+04	2.31E+03	0.149	0.175	1.065
2.61E+06	1.68E+04	2.30E+03	0.148	0.174	1.058
2.27E+06	1.47E+04	2.00E+03	0.129	0.151	0.923
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.872
2.15E+06	1.39E+04	1.89E+03	0.122	0.143	0.873
2.15E+06	1.39E+04	1.90E+03	0.122	0.143	0.874
2.16E+06	1.39E+04	1.90E+03	0.123	0.144	0.877
2.36E+06	1.52E+04	2.07E+03	0.134	0.157	0.956
2.93E+06	1.89E+04	2.58E+03	0.167	0.195	1.191
2.46E+06	1.59E+04	2.16E+03	0.140	0.164	0.998
2.38E+06	1.53E+04	2.09E+03	0.135	0.158	0.965
2.26E+06	1.46E+04	1.99E+03	0.128	0.150	0.917
2.27E+06	1.46E+04	2.00E+03	0.129	0.151	0.921
2.32E+06	1.50E+04	2.04E+03	0.132	0.155	0.942
2.32E+06	1.50E+04	2.04E+03	0.132	0.155	0.942
2.35E+06	1.52E+04	2.07E+03	0.133	0.156	0.954



2.43E+06	1.57E+04	2.14E+03	0.138	0.162	0.985
2.57E+06	1.66E+04	2.27E+03	0.146	0.171	1.045
3.75E+06	2.42E+04	3.30E+03	0.213	0.249	1.521
3.64E+06	2.35E+04	3.20E+03	0.207	0.242	1.477
3.03E+06	1.95E+04	2.67E+03	0.172	0.202	1.229
2.89E+06	1.87E+04	2.54E+03	0.164	0.192	1.173
3.17E+06	2.05E+04	2.79E+03	0.180	0.211	1.287
2.52E+06	1.62E+04	2.21E+03	0.143	0.167	1.021
6.67E+06	4.30E+04	5.87E+03	0.379	0.444	2.707
3.02E+06	1.95E+04	2.66E+03	0.171	0.201	1.225
2.40E+06	1.55E+04	2.11E+03	0.136	0.159	0.972
2.47E+06	1.59E+04	2.17E+03	0.140	0.164	1.001
2.44E+06	1.58E+04	2.15E+03	0.139	0.163	0.991
2.35E+06	1.51E+04	2.06E+03	0.133	0.156	0.952
2.30E+06	1.48E+04	2.02E+03	0.130	0.153	0.932
2.44E+06	1.57E+04	2.14E+03	0.138	0.162	0.989
2.61E+06	1.68E+04	2.29E+03	0.148	0.173	1.058
2.37E+06	1.53E+04	2.08E+03	0.134	0.158	0.961
2.26E+06	1.46E+04	1.99E+03	0.128	0.151	0.918
2.32E+06	1.50E+04	2.04E+03	0.132	0.155	0.942
2.29E+06	1.48E+04	2.02E+03	0.130	0.153	0.930
2.32E+06	1.50E+04	2.05E+03	0.132	0.155	0.943
2.35E+06	1.52E+04	2.07E+03	0.133	0.156	0.953
2.40E+06	1.55E+04	2.11E+03	0.136	0.160	0.974
2.76E+06	1.78E+04	2.43E+03	0.157	0.183	1.118
2.92E+06	1.88E+04	2.57E+03	0.166	0.194	1.184
2.51E+06	1.62E+04	2.21E+03	0.142	0.167	1.018

2.40E+06	1.55E+04	2.11E+03	0.136	0.160	0.975
2.55E+06	1.65E+04	2.24E+03	0.145	0.170	1.035
2.36E+06	1.53E+04	2.08E+03	0.134	0.157	0.960
2.12E+06	1.37E+04	1.87E+03	0.120	0.141	0.860
2.10E+06	1.35E+04	1.84E+03	0.119	0.140	0.851
2.08E+06	1.35E+04	1.83E+03	0.118	0.139	0.846
2.84E+06	1.84E+04	2.50E+03	0.161	0.189	1.154
3.58E+06	2.31E+04	3.15E+03	0.203	0.238	1.453
2.35E+06	1.52E+04	2.07E+03	0.133	0.156	0.953
2.11E+06	1.36E+04	1.85E+03	0.120	0.140	0.855
2.06E+06	1.33E+04	1.81E+03	0.117	0.137	0.837
2.01E+06	1.30E+04	1.77E+03	0.114	0.134	0.815
2.04E+06	1.32E+04	1.79E+03	0.116	0.136	0.827
2.12E+06	1.37E+04	1.86E+03	0.120	0.141	0.860
2.39E+06	1.54E+04	2.10E+03	0.136	0.159	0.970
3.96E+06	2.56E+04	3.49E+03	0.225	0.264	1.609
4.57E+06	2.95E+04	4.03E+03	0.260	0.305	1.856
3.62E+06	2.34E+04	3.19E+03	0.206	0.241	1.470
2.65E+06	1.71E+04	2.33E+03	0.151	0.177	1.077
2.35E+06	1.51E+04	2.06E+03	0.133	0.156	0.952
2.14E+06	1.38E+04	1.88E+03	0.121	0.142	0.868
2.10E+06	1.35E+04	1.85E+03	0.119	0.140	0.852
2.12E+06	1.37E+04	1.86E+03	0.120	0.141	0.859
2.39E+06	1.54E+04	2.10E+03	0.136	0.159	0.969
4.07E+06	2.63E+04	3.58E+03	0.231	0.271	1.653
3.41E+06	2.20E+04	3.00E+03	0.193	0.227	1.383
2.51E+06	1.62E+04	2.21E+03	0.143	0.167	1.021

2.46E+06	1.59E+04	2.17E+03	0.140	0.164	1.000
2.69E+06	1.74E+04	2.37E+03	0.153	0.179	1.092
3.40E+06	2.20E+04	2.99E+03	0.193	0.227	1.381
3.24E+06	2.09E+04	2.85E+03	0.184	0.216	1.314
4.02E+04	2.59E+02	3.53E+01	0.002	0.003	0.016
3.97E+05	0.00E+00	0.00E+00	0.009	0.012	0.012
4.06E+05	0.00E+00	0.00E+00	0.010	0.012	0.012
4.22E+05	0.00E+00	0.00E+00	0.010	0.013	0.012
5.15E+05	0.00E+00	0.00E+00	0.012	0.015	0.015
4.72E+05	0.00E+00	0.00E+00	0.011	0.014	0.014
4.67E+05	0.00E+00	0.00E+00	0.011	0.014	0.014
4.34E+05	0.00E+00	0.00E+00	0.010	0.013	0.013
4.23E+05	0.00E+00	0.00E+00	0.010	0.013	0.012
4.33E+05	0.00E+00	0.00E+00	0.010	0.013	0.013
4.27E+05	0.00E+00	0.00E+00	0.010	0.013	0.012
4.02E+05	0.00E+00	0.00E+00	0.010	0.012	0.012
5.06E+05	0.00E+00	0.00E+00	0.012	0.015	0.015
5.58E+05	0.00E+00	0.00E+00	0.013	0.017	0.016
6.05E+05	0.00E+00	0.00E+00	0.014	0.018	0.018
1.41E+06	0.00E+00	0.00E+00	0.033	0.042	0.041
6.49E+05	0.00E+00	0.00E+00	0.015	0.019	0.019
6.80E+05	0.00E+00	0.00E+00	0.016	0.020	0.020
6.98E+05	0.00E+00	0.00E+00	0.017	0.021	0.020
1.02E+07	0.00E+00	0.00E+00	0.243	0.303	0.298
1.17E+07	0.00E+00	0.00E+00	0.279	0.349	0.344
9.88E+06	0.00E+00	0.00E+00	0.235	0.294	0.289
4.45E+05	0.00E+00	0.00E+00	0.011	0.013	0.013

4.50E+05	0.00E+00	0.00E+00	0.011	0.013	0.013
5.74E+05	0.00E+00	0.00E+00	0.014	0.017	0.017
3.89E+05	0.00E+00	0.00E+00	0.009	0.012	0.011
3.87E+05	0.00E+00	0.00E+00	0.009	0.012	0.011
4.24E+05	0.00E+00	0.00E+00	0.010	0.013	0.012
5.44E+05	0.00E+00	0.00E+00	0.013	0.016	0.016
5.40E+05	0.00E+00	0.00E+00	0.013	0.016	0.016
6.18E+05	0.00E+00	0.00E+00	0.015	0.018	0.018
3.69E+05	0.00E+00	0.00E+00	0.009	0.011	0.011
3.68E+05	0.00E+00	0.00E+00	0.009	0.011	0.011
4.15E+05	0.00E+00	0.00E+00	0.010	0.012	0.012
4.20E+05	0.00E+00	0.00E+00	0.010	0.012	0.012
4.90E+05	0.00E+00	0.00E+00	0.012	0.015	0.014
4.87E+05	0.00E+00	0.00E+00	0.012	0.014	0.014
5.46E+05	0.00E+00	0.00E+00	0.013	0.016	0.016
4.58E+05	0.00E+00	0.00E+00	0.011	0.014	0.013
4.61E+05	0.00E+00	0.00E+00	0.011	0.014	0.013
3.64E+05	0.00E+00	0.00E+00	0.009	0.011	0.011
3.66E+05	0.00E+00	0.00E+00	0.009	0.011	0.011
4.94E+05	0.00E+00	0.00E+00	0.012	0.015	0.014
5.10E+06	0.00E+00	0.00E+00	0.121	0.152	0.149
6.93E+06	0.00E+00	0.00E+00	0.165	0.206	0.203
5.34E+06	0.00E+00	0.00E+00	0.127	0.159	0.156
8.11E+05	0.00E+00	0.00E+00	0.019	0.024	0.024
8.74E+05	0.00E+00	0.00E+00	0.021	0.026	0.026
1.05E+06	0.00E+00	0.00E+00	0.025	0.031	0.031
6.89E+05	0.00E+00	0.00E+00	0.016	0.020	0.020

7.03E+05	0.00E+00	0.00E+00	0.017	0.021	0.021
8.25E+05	0.00E+00	0.00E+00	0.020	0.025	0.024
3.44E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.78E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.58E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
2.22E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
2.89E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.32E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.11E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
2.77E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.54E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
3.68E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
6.23E+04	0.00E+00	0.00E+00	0.001	0.002	0.002
1.10E+05	0.00E+00	0.00E+00	0.003	0.003	0.003
2.71E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
2.57E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
2.91E+04	0.00E+00	0.00E+00	0.001	0.001	0.001
MEAN OpSOF			0.345	0.405	
MAX OpSOF			8.600	10.082	

<b>Cs-137</b>	<b>Eu-152</b>	<b>Eu-154</b>
<b>(pCi/m2)</b>	<b>(pCi/m2)</b>	<b>(pCi/m2)</b>

6.13E+06	3.89E+04	5.31E+03
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<b>Cs-137</b>	<b>Eu-152</b>	<b>Eu-154</b>	<b>MEAN BcSOF</b>	<b>BcSOF ADJ</b>	<b>BcSOF ADJ</b>
<b>(BcSOF)</b>	<b>(BcSOF)</b>	<b>(BcSOF)</b>		<b>CTMT<sub>PN</sub> DCGLs</b>	<b>Limiting DCGLs</b>
0.011	0.000	0.000	0.023	0.006	0.030
0.012	0.000	0.000	0.030	0.007	0.037

Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	BcSOF <sub>ADJ</sub>
1.21E+08	7.80E+05	1.06E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.38E+08	8.89E+05	1.21E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.51E+08	9.77E+05	1.33E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.46E+08	9.44E+05	1.29E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.34E+08	8.68E+05	1.18E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.19E+08	7.69E+05	1.05E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.11E+08	7.18E+05	9.80E+04	
0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000
1.04E+08	6.72E+05	9.17E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
9.83E+07	6.34E+05	8.65E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.05E+08	6.76E+05	9.22E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.10E+08	7.10E+05	9.68E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.10E+08	7.08E+05	9.66E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.15E+08	7.45E+05	1.02E+05	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
1.03E+08	6.64E+05	9.06E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
8.00E+07	5.16E+05	7.04E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
6.76E+07	4.37E+05	5.95E+04	
0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000
6.31E+07	4.07E+05	5.55E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
6.09E+07	3.93E+05	5.36E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
6.29E+07	4.06E+05	5.53E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
5.10E+07	3.29E+05	4.49E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.76E+07	2.43E+05	3.31E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.29E+07	2.13E+05	2.90E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.40E+07	1.55E+05	2.11E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
4.66E+07	3.01E+05	4.10E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.86E+07	2.49E+05	3.40E+04	
0.000	0.000	0.000	0.000



0.000	0.000	0.000	0.000
4.04E+07	2.61E+05	3.55E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
4.08E+07	2.63E+05	3.59E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
4.02E+07	2.60E+05	3.54E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.82E+07	2.46E+05	3.36E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.39E+07	2.19E+05	2.98E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.27E+07	2.11E+05	2.88E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.29E+07	2.12E+05	2.90E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.35E+07	2.16E+05	2.95E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.47E+07	2.24E+05	3.05E+04	
0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000
3.53E+07	2.28E+05	3.11E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.58E+07	2.31E+05	3.15E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.73E+07	2.40E+05	3.28E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
3.58E+07	2.31E+05	3.15E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.86E+07	1.85E+05	2.52E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.51E+07	1.62E+05	2.21E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.33E+07	1.50E+05	2.05E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.02E+07	1.30E+05	1.78E+04	
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
2.60E+07	1.68E+05	2.29E+04	
0.000	0.000	0.000	0.000

0.000

0.000

0.000

0.000

OpSOF <sub>B</sub> Limiting DCGL	MEASUREMENT ID		BETWEEN		END STATE	H-3 <sup>(1)</sup> (pCi/m2)
7.339	P005	By Direct Scan	CTMT	TB	Open/Buried	8.16E+04
2.042	P009	By Direct Scan	CTMT	TB	Open/Buried	8.75E+04
1.225	P112	By Direct Scan	CTMT	TB	Open/Buried	8.75E+04
1.119	P094	By Direct Scan	CTMT	TB	Open/Buried	9.01E+04
2.124	P007	By Direct Scan	CTMT	TB	Open/Buried	7.98E+04
1.715	P007	By Direct Scan	CTMT	TB	Open/Buried	3.68E+04
5.437	P116	By Direct Scan	CTMT	TB	Open/Buried	6.07E+04
1.424	P011	By Direct Scan	CTMT	TB	Open/Buried	4.09E+04
1.041	P097	By Direct Scan	CTMT	TB	Open/Buried	6.01E+04
1.120	P128	By Direct Scan	CTMT	TB	Open/Buried	7.30E+04
4.831	P012	By Direct Scan	CTMT	TB	Open/Buried	2.09E+05

1.473	P008	By Direct Scan	CTMT	TB	Open/Buried	1.19E+05
1.023	P117	By Direct Scan	CTMT	TB	Open/Buried	7.04E+04
0.951	P113	By Direct Scan	CTMT	TB	Open/Buried	5.04E+04
1.058	P115	By Direct Scan	CTMT	TB	Open/Buried	1.24E+05
6.862	P093	By Direct Scan	CTMT	TB	Open/Buried	1.70E+05
1.651	P006	By Direct Scan	CTMT	TB	Open/Buried	1.17E+05
1.084	P096	By Direct Scan	CTMT	TB	Open/Buried	6.98E+04
1.043	P010	By Direct Scan	CTMT	TB	Open/Buried	1.05E+05
1.339	P095	By Direct Scan	CTMT	TB	Open/Buried	6.10E+04
4.251	P127	By Direct Scan	CTMT	TB	Open/Buried	1.08E+05
1.395	P092	By Direct Scan	CTMT	TB	Open/Buried	6.07E+04
1.090	P091	By Direct Scan	CTMT	TB	Open/Buried	7.36E+04
1.013	P098	By Direct Scan	CTMT	TB	Open/Buried	6.33E+04
1.205	P118	By Direct Scan	CTMT	TB	Open/Buried	6.39E+04
5.590	P292	By Direct Scan	CTMT	TB	Open/Buried	9.54E+04
1.953	P209	By Direct Scan	CTMT	TB	Open/Buried	1.34E+05
1.294	P205	By Direct Scan	CTMT	TB	Open/Buried	2.00E+05
1.116	P205	By Direct Scan	CTMT	TB	Open/Buried	1.93E+05
1.495	P327	By Direct Scan	CTMT	TB	Open/Buried	1.09E+05
5.931	P211	By Direct Scan	CTMT	TB	Open/Buried	1.27E+05
1.209	P315	By Direct Scan	CTMT	TB	Open/Buried	6.86E+04
1.064	P207	By Direct Scan	CTMT	TB	Open/Buried	4.98E+04
1.104	P296	By Direct Scan	CTMT	TB	Open/Buried	6.74E+04
1.237	P208	By Direct Scan	CTMT	TB	Open/Buried	4.68E+04
5.522	P318	By Direct Scan	CTMT	TB	Open/Buried	5.78E+04
2.041	P317	By Direct Scan	CTMT	TB	Open/Buried	5.23E+04
1.858	P212	By Direct Scan	CTMT	TB	Open/Buried	6.04E+04

1.068	P298	By Direct Scan	CTMT	TB	Open/Buried	4.49E+04
2.194	P313	By Direct Scan	CTMT	TB	Open/Buried	4.23E+04
5.591	P297	By Direct Scan	CTMT	TB	Open/Buried	4.23E+04
1.351	P328	By Direct Scan	CTMT	TB	Open/Buried	4.68E+04
1.410	P316	By Direct Scan	CTMT	TB	Open/Buried	7.14E+04
1.581	P294	By Direct Scan	CTMT	TB	Open/Buried	3.94E+04
2.648	P293	By Direct Scan	CTMT	TB	Open/Buried	5.41E+04
5.042	P210	By Direct Scan	CTMT	TB	Open/Buried	1.31E+05
1.149	P312	By Direct Scan	CTMT	TB	Open/Buried	5.71E+04
1.197	P295	By Direct Scan	CTMT	TB	Open/Buried	5.60E+04
1.419	P291	By Direct Scan	CTMT	TB	Open/Buried	9.06E+04
1.509	A007	Position#1	AUX	TB	Open/Buried	0.00E+00
4.285	A007	Position#2	AUX	TB	Open/Buried	0.00E+00
1.291	A007	Position#3	AUX	TB	Open/Buried	0.00E+00
1.234	A008	Position#1	AUX	TB	Open/Buried	0.00E+00
1.274	A008	Position#2	AUX	TB	Open/Buried	0.00E+00
1.811	A008	Position#3	AUX	TB	Open/Buried	0.00E+00
0.075	A009	Position#1	AUX	TB	Open/Buried	0.00E+00
0.714	A009	Position#2	AUX	TB	Open/Buried	0.00E+00
0.065	A009	Position#3	AUX	TB	Open/Buried	0.00E+00
146.918	A002	Position#1	AUX	TB	Open/Buried	0.00E+00
167.337	A002	Position#2	AUX	TB	Open/Buried	0.00E+00
184.052	A002	Position#3	AUX	TB	Open/Buried	0.00E+00
177.860	A003	Position#1	AUX	TB	Open/Buried	0.00E+00
163.414	A003	Position#2	AUX	TB	Open/Buried	0.00E+00
144.768	A003	Position#3	AUX	TB	Open/Buried	0.00E+00
135.294	A013	Position#1	AUX	TB	Open/Buried	0.00E+00

126.597	A013	Position#2	AUX	TB	Open/Buried	0.00E+00
119.446	A013	Position#3	AUX	TB	Open/Buried	0.00E+00
127.374	A011	Position#1	AUX	TB	Grouted	0.00E+00
133.613	A011	Position#2	AUX	TB	Grouted	0.00E+00
133.359	A011	Position#3	AUX	TB	Grouted	0.00E+00
140.300	A012	Position#1	AUX	TB	Open/Buried	0.00E+00
125.105	A012	Position#2	AUX	TB	Open/Buried	0.00E+00
97.251	A012	Position#3	AUX	TB	Open/Buried	0.00E+00
82.211	A019	Position#1	AUX	TB	Open/Buried	0.00E+00
76.673	A019	Position#2	AUX	TB	Open/Buried	0.00E+00
73.968	A019	Position#3	AUX	TB	Open/Buried	0.00E+00
76.399	A015	Position#1	AUX	TB	Open/Buried	0.00E+00
61.994	A015	Position#2	AUX	TB	Open/Buried	0.00E+00
45.733	A015	Position#3	AUX	TB	Open/Buried	0.00E+00
40.028	A005	Position#1	AUX	TB	Open/Buried	0.00E+00
29.150	A005	Position#2	AUX	TB	Open/Buried	0.00E+00
16.041	A005	Position#3	AUX	TB	Open/Buried	0.00E+00
12.536	A020	Position#1	AUX	TB	Open/Buried	0.00E+00
10.417	A020	Position#2	AUX	TB	Open/Buried	0.00E+00
10.346	A020	Position#3	AUX	TB	Open/Buried	0.00E+00
8.068	A021	Position#1	AUX	TB	Open/Buried	0.00E+00
6.128	A021	Position#2	AUX	TB	Open/Buried	0.00E+00
5.317	A021	Position#3	AUX	TB	Open/Buried	0.00E+00
5.002	A022	Position#1	AUX	TB	Open/Buried	0.00E+00
4.823	A022	Position#2	AUX	TB	Open/Buried	0.00E+00
5.065	A022	Position#3	AUX	TB	Open/Buried	0.00E+00
5.529	A023	Position#1	AUX	TB	Grouted	0.00E+00

6.894	A023	Position#2	AUX	TB	Grouted	0.00E+00
5.576	A023	Position#3	AUX	TB	Grouted	0.00E+00
5.465	A017	Position#1	AUX	TB	Open/Buried	0.00E+00
4.550	A017	Position#2	AUX	TB	Open/Buried	0.00E+00
4.206	A017	Position#3	AUX	TB	Open/Buried	0.00E+00
4.211	A010	Position#1	AUX	TB	Open/Buried	0.00E+00
4.352	A010	Position#2	AUX	TB	Open/Buried	0.00E+00
4.777	A010	Position#3	AUX	TB	Open/Buried	0.00E+00
4.714	A001	Position #1	AUX	TB	Open/Buried	0.00E+00
6.551	A001	Position #2	AUX	TB	Open/Buried	0.00E+00
4.607	A001	Position #3	AUX	TB	Open/Buried	0.00E+00
4.098	A014	Position #1	AUX	TB	Open/Buried	0.00E+00
4.246	A014	Position #2	AUX	TB	Open/Buried	0.00E+00
5.011	A014	Position #3	AUX	TB	Open/Buried	0.00E+00
4.719	A004	Position #1	AUX	TB	Open/Buried	0.00E+00
4.517	A004	Position #2	AUX	TB	Open/Buried	0.00E+00
56.645	A004	Position #3	AUX	TB	Open/Buried	0.00E+00
46.966	A024	Position #1	AUX	TB	Open/Buried	0.00E+00
49.067	A024	Position #2	AUX	TB	Open/Buried	0.00E+00
49.603	A024	Position #3	AUX	TB	Open/Buried	0.00E+00
48.917	A025	Position #1	AUX	TB	Open/Buried	0.00E+00
46.417	A025	Position #2	AUX	TB	Open/Buried	0.00E+00
41.184	A025	Position #3	AUX	TB	Open/Buried	0.00E+00
39.789						
39.981						
40.744						
42.182						



42.945		(pCi/m2)
43.474	MEAN CONCENTRATION - ALL	3.57E+04
45.282		H-3
43.528		(BcSOF)
34.811	MEAN BcSOF - CTMT <sub>PN</sub> DCGLs	0.000
30.546	MEAN BcSOF - Most Limiting <sub>PN</sub> DCGLs	0.000
28.312		
24.523		
20.276		
16.945		
13.639		
9.712		
7.128		
5.604		
5.480		
4.705		
4.387		
4.034		
3.866		
3.879		
3.674		
3.644		
3.637		
4.047		
3.647		
3.432		
3.334		

3.347

3.429

3.290

3.314

3.494

3.514

3.316

3.291

3.171

3.077

3.169

3.118

10.793

4.995

5.309

3.105

2.878

2.965

2.798

2.791

2.696

2.735

2.724

2.731

2.787

2.735

2.641

2.675

2.668

2.567

2.693

2.679

2.616

2.616

2.546

2.410

2.347

2.413

2.347

2.393

2.403

2.393

2.393

2.490

2.473

2.462

2.427

2.469

2.504

2.420

2.424

2.431

2.476

2.525

2.546

2.592

2.578

2.654

2.641

2.738

2.791

2.812

16.381

5.588

3.276

3.011

2.972

2.881

2.714

2.724

2.647

2.668

2.654

2.620

2.567

2.585

2.641

2.553

2.602

2.564

2.529

2.490

2.316

2.333

2.316

2.204

2.249

2.235

2.302

2.351

2.305

2.351

2.337

2.393

2.406

2.375

2.413

2.424

2.400

2.386

2.344

2.382

2.469

2.420

2.431

2.543

2.522

2.707

2.878

3.245

2.902

2.599

12.364

4.471

3.262

3.035

2.951

2.850

2.766

2.857

2.815

2.693

2.717

2.787

2.745

2.773

2.812

2.756

2.717

2.679

2.637

2.522

2.445

2.466

2.434

2.295

2.382

2.361

2.302

2.386

2.375

2.372

2.431

2.455

2.455

2.578

2.585

2.675

2.651

2.672

2.634

2.616

2.665

2.752

2.696

2.815

2.916

2.920

2.986

3.039

3.140

3.391

3.039

1.112

1.321

5.146

2.789

3.626

4.259

4.970

6.350

10.071

3.842

4.194

5.481

7.319

6.376

18.870

31.568

2.317

3.989

1.217

0.075

0.193

0.091

0.081

0.088

6.459

2.622



1.782

1.514

1.755

8.088

1.987

1.202

0.979

0.969

0.145

0.347

0.234

2.563

0.966

0.891

0.924

0.076

0.059

0.075

0.081

10.474

2.073

1.560

1.428

4.175

1.421

1.217

1.497

6.985

1.479

1.110

1.285

4.915

1.606

1.524

1.832

6.631

1.575

1.353

1.548

9.223

1.283

0.880

0.900

0.866

12.259

1.430

1.019

0.973

0.968

14.303

4.711

6.215

5.591

4.711

6.470

8.570

1.016

0.814

0.761

0.834

8.400

1.269

1.078

1.164

0.996

6.842

1.251

1.050

1.101

1.071

0.234

0.050

0.050

0.192

0.143

0.044

0.153

8.301

3.840

2.846

2.769

2.783

2.693

2.629

2.578

2.694

2.599

2.572

2.660

2.667

2.605

2.705

2.588

2.652

2.797

2.715

2.519

2.297

2.313

2.277

2.202

2.282

2.217

2.276

2.286

2.295

2.239

2.239

2.252

2.228

2.224

2.234

2.262

2.250

2.236

2.299

2.224

2.266

2.253

2.265

2.241

2.332

2.252

2.299

2.307

2.230

2.258

7.203

3.855

2.765

2.738

2.717

2.641

2.522

2.510

2.472

2.503

2.423

2.479

2.502

2.457

2.472

2.495

2.508

2.530

2.523

2.394

2.338

2.299

2.211

2.154

2.194

2.201

2.264

2.298

2.239

2.245

2.282

2.277

2.176

2.267

2.270

2.207

2.315

2.241

2.311

2.350

2.321

2.274

2.309

2.303

2.279

2.344

2.358

2.365

2.302

2.404

6.387

3.413

2.736

2.767

2.737

2.754

2.701

2.727

2.769

2.760

2.682

2.689

2.672

2.671

2.656

2.610

2.637

2.607

2.553

2.437

2.380

2.329

2.292

2.230

2.253

2.254

2.339

2.279

2.337

2.297

2.282

2.289

2.246

2.258

2.261

2.287

2.264

2.333

2.301



2.264

2.267

2.321

2.333

2.321

2.334

2.431

2.415

2.371

2.367

2.501

9.649

12.506

4.528

3.468

3.602

4.201

4.223

4.334

5.367

5.184

3.738

3.323

3.206

3.100

3.127

3.168

3.713

5.443

4.170

3.417

3.163

2.810

2.776

2.674

2.598

2.839

3.668

3.189

3.170

2.763

2.611

2.615

2.617

2.625

2.864

3.566

2.988

2.889

2.747

2.757

2.821

2.821

2.856

2.951

3.128

4.554

4.425

3.680

3.513

3.855

3.058

8.106

3.668

2.911

2.996

2.967

2.850

2.792

2.961

3.167

2.877

2.748

2.821

2.786

2.825

2.855

2.916

3.350

3.546

3.049

2.920

3.100

2.874

2.576

2.547

2.533

3.456

4.351

2.854

2.561

2.506

2.439

2.478

2.575

2.905

4.817

5.559

4.402

3.224

2.850

2.600

2.551

2.571

2.901

4.950

4.141

3.056

2.994

3.271

4.136

3.936

0.049

0.239

0.245

0.254

0.311

0.284

0.281

0.262

0.255

0.261

0.257

0.243

0.305

0.337

0.365

0.848

0.392

0.410

0.421

6.149

7.078

5.958

0.269

0.271

0.346

0.235

0.233

0.256

0.328

0.325

0.373

0.223

0.222

0.250

0.253

0.296

0.294

0.330

0.276

0.278

0.219

0.220

0.298

3.076

4.181

3.219

0.489

0.527

0.636

0.415

0.424

0.497

0.021

0.023

0.022

0.013

0.017

0.020

0.019

0.017

0.021

0.022

0.038

0.066

0.016

0.016

0.018

**DOSE**

**(mrem/yr)**

0.746

0.927















## TURBINE BUILDING PENETRATIONS

Co-60 <sup>(2)</sup>	Ni-63 <sup>(1)</sup>	Sr-90 <sup>(1)</sup>	Cs-134 <sup>(2)</sup>	Cs-137 <sup>(2)</sup>	Eu-152 <sup>(2)</sup>
(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)
3.21E+03	1.42E+06	9.73E+02	6.80E+00	4.64E+04	2.99E+02
3.44E+03	1.52E+06	1.04E+03	7.29E+00	4.97E+04	3.21E+02
3.44E+03	1.52E+06	1.04E+03	7.29E+00	4.97E+04	3.21E+02
3.55E+03	1.57E+06	1.08E+03	7.51E+00	5.12E+04	3.31E+02
3.14E+03	1.39E+06	9.52E+02	6.65E+00	4.53E+04	2.93E+02
1.45E+03	6.40E+05	4.39E+02	3.07E+00	2.09E+04	1.35E+02
2.39E+03	1.05E+06	7.24E+02	5.06E+00	3.45E+04	2.23E+02
1.61E+03	7.12E+05	4.88E+02	3.41E+00	2.33E+04	1.50E+02
2.36E+03	1.04E+06	7.17E+02	5.01E+00	3.41E+04	2.20E+02
2.87E+03	1.27E+06	8.72E+02	6.09E+00	4.15E+04	2.68E+02
8.24E+03	3.64E+06	2.50E+03	1.75E+01	1.19E+05	7.68E+02

4.68E+03	2.07E+06	1.42E+03	9.92E+00	6.76E+04	4.36E+02
2.77E+03	1.22E+06	8.40E+02	5.87E+00	4.00E+04	2.58E+02
1.98E+03	8.76E+05	6.01E+02	4.20E+00	2.86E+04	1.85E+02
4.87E+03	2.15E+06	1.48E+03	1.03E+01	7.03E+04	4.54E+02
6.70E+03	2.96E+06	2.03E+03	1.42E+01	9.67E+04	6.24E+02
4.59E+03	2.03E+06	1.39E+03	9.72E+00	6.63E+04	4.28E+02
2.75E+03	1.21E+06	8.33E+02	5.82E+00	3.97E+04	2.56E+02
4.14E+03	1.83E+06	1.25E+03	8.76E+00	5.97E+04	3.86E+02
2.40E+03	1.06E+06	7.27E+02	5.08E+00	3.46E+04	2.24E+02
4.25E+03	1.88E+06	1.29E+03	9.01E+00	6.14E+04	3.96E+02
2.39E+03	1.05E+06	7.24E+02	5.06E+00	3.45E+04	2.23E+02
2.90E+03	1.28E+06	8.79E+02	6.14E+00	4.18E+04	2.70E+02
2.49E+03	1.10E+06	7.56E+02	5.28E+00	3.60E+04	2.32E+02
2.51E+03	1.11E+06	7.63E+02	5.33E+00	3.63E+04	2.34E+02
3.75E+03	1.66E+06	1.14E+03	7.95E+00	5.42E+04	3.50E+02
5.26E+03	2.33E+06	1.60E+03	1.11E+01	7.60E+04	4.90E+02
7.87E+03	3.48E+06	2.39E+03	1.67E+01	1.14E+05	7.33E+02
7.58E+03	3.35E+06	2.30E+03	1.61E+01	1.09E+05	7.06E+02
4.30E+03	1.90E+06	1.30E+03	9.11E+00	6.21E+04	4.01E+02
5.01E+03	2.21E+06	1.52E+03	1.06E+01	7.23E+04	4.67E+02
2.70E+03	1.19E+06	8.19E+02	5.72E+00	3.90E+04	2.52E+02
1.96E+03	8.65E+05	5.94E+02	4.15E+00	2.83E+04	1.83E+02
2.65E+03	1.17E+06	8.05E+02	5.62E+00	3.83E+04	2.47E+02
1.84E+03	8.13E+05	5.58E+02	3.90E+00	2.66E+04	1.71E+02
2.27E+03	1.01E+06	6.90E+02	4.82E+00	3.28E+04	2.12E+02
2.06E+03	9.09E+05	6.24E+02	4.36E+00	2.97E+04	1.92E+02
2.38E+03	1.05E+06	7.20E+02	5.03E+00	3.43E+04	2.21E+02

1.77E+03	7.81E+05	5.36E+02	3.74E+00	2.55E+04	1.65E+02
1.67E+03	7.36E+05	5.05E+02	3.53E+00	2.41E+04	1.55E+02
1.67E+03	7.36E+05	5.05E+02	3.53E+00	2.41E+04	1.55E+02
1.84E+03	8.13E+05	5.58E+02	3.90E+00	2.66E+04	1.71E+02
2.81E+03	1.24E+06	8.52E+02	5.95E+00	4.06E+04	2.62E+02
1.55E+03	6.85E+05	4.70E+02	3.28E+00	2.24E+04	1.44E+02
2.13E+03	9.41E+05	6.46E+02	4.51E+00	3.07E+04	1.98E+02
5.14E+03	2.27E+06	1.56E+03	1.09E+01	7.43E+04	4.79E+02
2.24E+03	9.92E+05	6.81E+02	4.76E+00	3.24E+04	2.09E+02
2.20E+03	9.73E+05	6.68E+02	4.66E+00	3.18E+04	2.05E+02
3.56E+03	1.57E+06	1.08E+03	7.55E+00	5.15E+04	3.32E+02
4.84E+03	8.74E+05	7.93E+02	5.27E+01	3.97E+05	0.00E+00
4.96E+03	8.96E+05	8.13E+02	5.40E+01	4.06E+05	0.00E+00
5.15E+03	9.30E+05	8.44E+02	5.60E+01	4.22E+05	0.00E+00
6.29E+03	1.14E+06	1.03E+03	6.84E+01	5.15E+05	0.00E+00
5.76E+03	1.04E+06	9.43E+02	6.26E+01	4.72E+05	0.00E+00
5.70E+03	1.03E+06	9.33E+02	6.20E+01	4.67E+05	0.00E+00
5.30E+03	9.56E+05	8.67E+02	5.76E+01	4.34E+05	0.00E+00
5.17E+03	9.32E+05	8.46E+02	5.61E+01	4.23E+05	0.00E+00
5.28E+03	9.54E+05	8.65E+02	5.74E+01	4.33E+05	0.00E+00
5.21E+03	9.41E+05	8.54E+02	5.67E+01	4.27E+05	0.00E+00
4.92E+03	8.87E+05	8.05E+02	5.34E+01	4.02E+05	0.00E+00
6.19E+03	1.12E+06	1.01E+03	6.72E+01	5.06E+05	0.00E+00
6.82E+03	1.23E+06	1.12E+03	7.41E+01	5.58E+05	0.00E+00
7.39E+03	1.33E+06	1.21E+03	8.03E+01	6.05E+05	0.00E+00
1.72E+04	3.10E+06	2.81E+03	1.87E+02	1.41E+06	0.00E+00
7.93E+03	1.43E+06	1.30E+03	8.62E+01	6.49E+05	0.00E+00



8.30E+03	1.50E+06	1.36E+03	9.02E+01	6.80E+05	0.00E+00
8.53E+03	1.54E+06	1.40E+03	9.27E+01	6.98E+05	0.00E+00
1.25E+05	2.25E+07	2.04E+04	1.35E+03	1.02E+07	0.00E+00
1.43E+05	2.59E+07	2.35E+04	1.56E+03	1.17E+07	0.00E+00
1.21E+05	2.18E+07	1.98E+04	1.31E+03	9.88E+06	0.00E+00
5.44E+03	9.81E+05	8.91E+02	5.91E+01	4.45E+05	0.00E+00
5.50E+03	9.92E+05	9.00E+02	5.98E+01	4.50E+05	0.00E+00
7.01E+03	1.26E+06	1.15E+03	7.62E+01	5.74E+05	0.00E+00
4.75E+03	8.57E+05	7.78E+02	5.16E+01	3.89E+05	0.00E+00
4.73E+03	8.53E+05	7.74E+02	5.14E+01	3.87E+05	0.00E+00
5.18E+03	9.34E+05	8.48E+02	5.63E+01	4.24E+05	0.00E+00
6.64E+03	1.20E+06	1.09E+03	7.22E+01	5.44E+05	0.00E+00
6.59E+03	1.19E+06	1.08E+03	7.16E+01	5.40E+05	0.00E+00
7.55E+03	1.36E+06	1.24E+03	8.21E+01	6.18E+05	0.00E+00
4.51E+03	8.14E+05	7.39E+02	4.90E+01	3.69E+05	0.00E+00
4.50E+03	8.12E+05	7.37E+02	4.89E+01	3.68E+05	0.00E+00
5.07E+03	9.15E+05	8.30E+02	5.51E+01	4.15E+05	0.00E+00
5.13E+03	9.26E+05	8.40E+02	5.58E+01	4.20E+05	0.00E+00
5.98E+03	1.08E+06	9.80E+02	6.51E+01	4.90E+05	0.00E+00
5.95E+03	1.07E+06	9.74E+02	6.47E+01	4.87E+05	0.00E+00
6.67E+03	1.20E+06	1.09E+03	7.25E+01	5.46E+05	0.00E+00
5.59E+03	1.01E+06	9.16E+02	6.08E+01	4.58E+05	0.00E+00
5.63E+03	1.02E+06	9.22E+02	6.12E+01	4.61E+05	0.00E+00
4.44E+03	8.01E+05	7.27E+02	4.83E+01	3.64E+05	0.00E+00
4.46E+03	8.06E+05	7.31E+02	4.85E+01	3.66E+05	0.00E+00
6.03E+03	1.09E+06	9.88E+02	6.56E+01	4.94E+05	0.00E+00
6.23E+04	1.12E+07	1.02E+04	6.77E+02	5.10E+06	0.00E+00

8.47E+04	1.53E+07	1.39E+04	9.20E+02	6.93E+06	0.00E+00
6.52E+04	1.18E+07	1.07E+04	7.09E+02	5.34E+06	0.00E+00
9.91E+03	1.79E+06	1.62E+03	1.08E+02	8.11E+05	0.00E+00
1.07E+04	1.93E+06	1.75E+03	1.16E+02	8.74E+05	0.00E+00
1.29E+04	2.32E+06	2.11E+03	1.40E+02	1.05E+06	0.00E+00
8.41E+03	1.52E+06	1.38E+03	9.14E+01	6.89E+05	0.00E+00
8.59E+03	1.55E+06	1.41E+03	9.33E+01	7.03E+05	0.00E+00
1.01E+04	1.82E+06	1.65E+03	1.10E+02	8.25E+05	0.00E+00
4.20E+02	7.59E+04	6.88E+01	4.57E+00	3.44E+04	0.00E+00
4.61E+02	8.33E+04	7.56E+01	5.02E+00	3.78E+04	0.00E+00
4.37E+02	7.89E+04	7.16E+01	4.75E+00	3.58E+04	0.00E+00
2.71E+02	4.88E+04	4.43E+01	2.94E+00	2.22E+04	0.00E+00
3.53E+02	6.36E+04	5.78E+01	3.83E+00	2.89E+04	0.00E+00
4.06E+02	7.32E+04	6.65E+01	4.41E+00	3.32E+04	0.00E+00
3.79E+02	6.84E+04	6.21E+01	4.12E+00	3.11E+04	0.00E+00
3.38E+02	6.10E+04	5.54E+01	3.68E+00	2.77E+04	0.00E+00
4.32E+02	7.80E+04	7.08E+01	4.70E+00	3.54E+04	0.00E+00
4.49E+02	8.11E+04	7.36E+01	4.88E+00	3.68E+04	0.00E+00
7.61E+02	1.37E+05	1.25E+02	8.27E+00	6.23E+04	0.00E+00
1.34E+03	2.42E+05	2.20E+02	1.46E+01	1.10E+05	0.00E+00
3.31E+02	5.97E+04	5.42E+01	3.60E+00	2.71E+04	0.00E+00
3.14E+02	5.67E+04	5.14E+01	3.41E+00	2.57E+04	0.00E+00
3.55E+02	6.41E+04	5.81E+01	3.86E+00	2.91E+04	0.00E+00
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	Eu-152

(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)	(pCi/m2)
9.29E+03	2.04E+06	1.72E+03	8.87E+01	6.66E+05	1.31E+02
Co-60	Ni-63	Sr-90	Cs-134	Cs-137	Eu-152
(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)	(BcSOF)
0.000	0.000	0.000	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.001	0.000































































Eu-154 <sup>(2)</sup>	OpSOF <sub>PN</sub>	OpSOF <sub>PN</sub>	OpSOF <sub>B</sub>	OpSOF <sub>B</sub>
(pCi/m2)	AB <sub>PN</sub>	Limiting DCGL	AB DCGL	Limiting DCGL
4.08E+01	0.003	0.003	0.019	0.056
4.37E+01	0.003	0.003	0.020	0.060
4.37E+01	0.003	0.003	0.020	0.060
4.51E+01	0.003	0.003	0.021	0.062
3.99E+01	0.003	0.003	0.018	0.055
1.84E+01	0.001	0.001	0.008	0.025
3.03E+01	0.002	0.002	0.014	0.042
2.05E+01	0.001	0.002	0.009	0.028
3.00E+01	0.002	0.002	0.014	0.041
3.65E+01	0.002	0.003	0.017	0.050
1.05E+02	0.007	0.008	0.048	0.145



5.95E+01	0.004	0.005	0.027	0.082
3.52E+01	0.002	0.003	0.016	0.049
2.52E+01	0.002	0.002	0.012	0.035
6.19E+01	0.004	0.005	0.029	0.085
8.51E+01	0.005	0.006	0.039	0.118
5.83E+01	0.004	0.004	0.027	0.081
3.49E+01	0.002	0.003	0.016	0.048
5.26E+01	0.003	0.004	0.024	0.073
3.05E+01	0.002	0.002	0.014	0.042
5.41E+01	0.003	0.004	0.025	0.075
3.03E+01	0.002	0.002	0.014	0.042
3.68E+01	0.002	0.003	0.017	0.051
3.17E+01	0.002	0.002	0.015	0.044
3.20E+01	0.002	0.002	0.015	0.044
4.77E+01	0.003	0.004	0.022	0.066
6.69E+01	0.004	0.005	0.031	0.092
1.00E+02	0.006	0.008	0.046	0.138
9.63E+01	0.006	0.007	0.044	0.133
5.46E+01	0.004	0.004	0.025	0.075
6.36E+01	0.004	0.005	0.029	0.088
3.43E+01	0.002	0.003	0.016	0.047
2.49E+01	0.002	0.002	0.011	0.034
3.37E+01	0.002	0.003	0.016	0.047
2.34E+01	0.002	0.002	0.011	0.032
2.89E+01	0.002	0.002	0.013	0.040
2.61E+01	0.002	0.002	0.012	0.036
3.02E+01	0.002	0.002	0.014	0.042

2.25E+01	0.001	0.002	0.010	0.031
2.12E+01	0.001	0.002	0.010	0.029
2.12E+01	0.001	0.002	0.010	0.029
2.34E+01	0.002	0.002	0.011	0.032
3.57E+01	0.002	0.003	0.016	0.049
1.97E+01	0.001	0.001	0.009	0.027
2.71E+01	0.002	0.002	0.012	0.037
6.54E+01	0.004	0.005	0.030	0.090
2.85E+01	0.002	0.002	0.013	0.039
2.80E+01	0.002	0.002	0.013	0.039
4.53E+01	0.003	0.003	0.021	0.063
0.00E+00	0.009	0.012	0.012	0.239
0.00E+00	0.010	0.012	0.012	0.245
0.00E+00	0.010	0.013	0.012	0.254
0.00E+00	0.012	0.015	0.015	0.311
0.00E+00	0.011	0.014	0.014	0.284
0.00E+00	0.011	0.014	0.014	0.281
0.00E+00	0.010	0.013	0.013	0.262
0.00E+00	0.010	0.013	0.012	0.255
0.00E+00	0.010	0.013	0.013	0.261
0.00E+00	0.010	0.013	0.012	0.257
0.00E+00	0.010	0.012	0.012	0.243
0.00E+00	0.012	0.015	0.015	0.305
0.00E+00	0.013	0.017	0.016	0.337
0.00E+00	0.014	0.018	0.018	0.365
0.00E+00	0.033	0.042	0.041	0.848
0.00E+00	0.015	0.019	0.019	0.392

0.00E+00	0.016	0.020	0.020	0.410
0.00E+00	0.017	0.021	0.020	0.421
0.00E+00	0.243	0.303	0.298	6.149
0.00E+00	0.279	0.349	0.344	7.078
0.00E+00	0.235	0.294	0.289	5.958
0.00E+00	0.011	0.013	0.013	0.269
0.00E+00	0.011	0.013	0.013	0.271
0.00E+00	0.014	0.017	0.017	0.346
0.00E+00	0.009	0.012	0.011	0.235
0.00E+00	0.009	0.012	0.011	0.233
0.00E+00	0.010	0.013	0.012	0.256
0.00E+00	0.013	0.016	0.016	0.328
0.00E+00	0.013	0.016	0.016	0.325
0.00E+00	0.015	0.018	0.018	0.373
0.00E+00	0.009	0.011	0.011	0.223
0.00E+00	0.009	0.011	0.011	0.222
0.00E+00	0.010	0.012	0.012	0.250
0.00E+00	0.010	0.012	0.012	0.253
0.00E+00	0.012	0.015	0.014	0.296
0.00E+00	0.012	0.014	0.014	0.294
0.00E+00	0.013	0.016	0.016	0.330
0.00E+00	0.011	0.014	0.013	0.276
0.00E+00	0.011	0.014	0.013	0.278
0.00E+00	0.009	0.011	0.011	0.219
0.00E+00	0.009	0.011	0.011	0.220
0.00E+00	0.012	0.015	0.014	0.298
0.00E+00	0.121	0.152	0.149	3.076

0.00E+00	0.165	0.206	0.203	4.181
0.00E+00	0.127	0.159	0.156	3.219
0.00E+00	0.019	0.024	0.024	0.489
0.00E+00	0.021	0.026	0.026	0.527
0.00E+00	0.025	0.031	0.031	0.636
0.00E+00	0.016	0.020	0.020	0.415
0.00E+00	0.017	0.021	0.021	0.424
0.00E+00	0.020	0.025	0.024	0.497
0.00E+00	0.001	0.001	0.001	0.021
0.00E+00	0.001	0.001	0.001	0.023
0.00E+00	0.001	0.001	0.001	0.022
0.00E+00	0.001	0.001	0.001	0.013
0.00E+00	0.001	0.001	0.001	0.017
0.00E+00	0.001	0.001	0.001	0.020
0.00E+00	0.001	0.001	0.001	0.019
0.00E+00	0.001	0.001	0.001	0.017
0.00E+00	0.001	0.001	0.001	0.021
0.00E+00	0.001	0.001	0.001	0.022
0.00E+00	0.001	0.002	0.002	0.038
0.00E+00	0.003	0.003	0.003	0.066
0.00E+00	0.001	0.001	0.001	0.016
0.00E+00	0.001	0.001	0.001	0.016
0.00E+00	0.001	0.001	0.001	0.018
MEAN OpSOF	0.017	0.021		
MAX OpSOF	0.279	0.349		

(pCi/m2)

1.78E+01

Eu-154 (BcSOF)	MEAN BcSOF	DOSE (mrem/yr)
0.000	0.001	0.033
0.000	0.002	0.038

$$SOF_B = \sum_{i=1}^n \frac{Mean\ Conc_{B_{ROC_i}}}{Base\ Case\ DCGL_{B_{ROC_i}}} + \frac{(Elev\ Conc_{B_1})}{[Base\ Case\ DCGL_{B_1}]}$$

MEAN ROC CONCENTRATION				
	H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
	2.80E+05	7.40E+04	3.27E+07	3.34E+03
MEASUREMENTS WITH ELEVATED CONCENTRATION				
MEASUREMENT ID	H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B1-01100AF-SFM-126-GD	1.30E+06	9.01E+05	3.98E+08	1.55E+04

MEAN ROC CONCENTRATION				
	H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
	3.21E+07	1.26E+06	5.57E+08	3.83E+05
MEASUREMENTS WITH ELEVATED CONCENTRATION				
MEASUREMENT ID	H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
S1-01111A-FSSM-001-GD	5.12E+08	2.01E+07	8.90E+09	6.11E+06

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**MEAN ROC CONCENTRATION**

H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
1.75E+07	6.87E+05	3.04E+08	2.08E+05

**MEASUREMENTS WITH ELEVATED CONCENTRATION**

MEASUREMENT ID		H-3 (pCi/m2)	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
P123	Position #1	2.13E+08	8.37E+06	3.70E+09	2.54E+06
P123	Position #2	2.42E+08	9.53E+06	4.21E+09	2.89E+06
P123	Position #3	2.67E+08	1.05E+07	4.63E+09	3.18E+06
P123	Position #4	2.58E+08	1.01E+07	4.48E+09	3.07E+06
P123	Position #5	2.37E+08	9.31E+06	4.11E+09	2.82E+06
P123	Position #6	2.10E+08	8.25E+06	3.65E+09	2.50E+06
P123	Position #7	1.96E+08	7.71E+06	3.41E+09	2.34E+06
P123	Position #8	1.83E+08	7.21E+06	3.19E+09	2.19E+06
P123	Position #9	1.73E+08	6.80E+06	3.01E+09	2.06E+06
P123	Position #10	1.84E+08	7.26E+06	3.21E+09	2.20E+06
P123	Position #11	1.93E+08	7.61E+06	3.36E+09	2.31E+06
P123	Position #12	1.93E+08	7.60E+06	3.36E+09	2.30E+06
P123	Position #13	2.03E+08	7.99E+06	3.53E+09	2.42E+06
P123	Position #14	1.81E+08	7.13E+06	3.15E+09	2.16E+06
P123	Position #15	1.41E+08	5.54E+06	2.45E+09	1.68E+06
P123	Position #16	1.19E+08	4.68E+06	2.07E+09	1.42E+06
P123	Position #17	1.11E+08	4.37E+06	1.93E+09	1.32E+06
P123	Position #18	1.07E+08	4.21E+06	1.86E+09	1.28E+06
P123	Position #19	1.11E+08	4.35E+06	1.92E+09	1.32E+06
P123	Position #20	8.98E+07	3.53E+06	1.56E+09	1.07E+06
P123	Position #21	6.62E+07	2.61E+06	1.15E+09	7.90E+05
P123	Position #22	5.80E+07	2.28E+06	1.01E+09	6.92E+05
P123	Position #23	4.22E+07	1.66E+06	7.34E+08	5.04E+05
P124	Position #1	8.20E+07	3.23E+06	1.43E+09	9.79E+05
P124	Position #2	6.80E+07	2.68E+06	1.18E+09	8.11E+05
P124	Position #3	7.10E+07	2.80E+06	1.24E+09	8.48E+05
P124	Position #4	7.18E+07	2.83E+06	1.25E+09	8.57E+05
P124	Position #5	7.08E+07	2.79E+06	1.23E+09	8.45E+05
P124	Position #6	6.72E+07	2.64E+06	1.17E+09	8.02E+05
P124	Position #7	5.96E+07	2.35E+06	1.04E+09	7.12E+05

P124	Position #8	5.76E+07	2.27E+06	1.00E+09	6.87E+05
P124	Position #9	5.79E+07	2.28E+06	1.01E+09	6.91E+05
P124	Position #10	5.90E+07	2.32E+06	1.03E+09	7.04E+05
P124	Position #11	6.11E+07	2.40E+06	1.06E+09	7.29E+05
P124	Position #12	6.22E+07	2.45E+06	1.08E+09	7.42E+05
P124	Position #13	6.30E+07	2.48E+06	1.09E+09	7.51E+05
P124	Position #14	6.56E+07	2.58E+06	1.14E+09	7.82E+05
P124	Position #15	6.30E+07	2.48E+06	1.10E+09	7.52E+05
P124	Position #16	5.04E+07	1.98E+06	8.76E+08	6.01E+05
P124	Position #17	4.42E+07	1.74E+06	7.69E+08	5.28E+05
P124	Position #18	4.10E+07	1.61E+06	7.13E+08	4.89E+05
P124	Position #19	3.55E+07	1.40E+06	6.17E+08	4.24E+05
P021	By Direct Scan	4.57E+07	1.80E+06	7.95E+08	5.45E+05

#### MEAN ROC CONCENTRATION

Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
6.39E+04	1.15E+07	1.90E+03

#### MEASUREMENTS WITH ELEVATED CONCENTRATION

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B1-03202A-FSFC-006-GD	1.98E+05	3.57E+07	2.80E+04
B1-03202A-FSFC-039-GD	3.15E+05	5.68E+07	2.00E+04

#### MEAN ROC CONCENTRATION

Co-60	Ni-63	Sr-90
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(pCi/m2)	(pCi/m2)	(pCi/m2)
8.88E+05	1.60E+08	6.28E+03

#### MEASUREMENTS WITH ELEVATED CONCEN

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B1-05100AF-SWC-204-GD	1.22E+07	2.20E+09	2.52E+04
B1-05100AF-SWC-205-GD	1.46E+07	2.63E+09	2.74E+04
B1-05100AF-SWC-206-GD	1.30E+07	2.35E+09	2.46E+04
B1-05100AF-SWC-212-GD	1.29E+07	2.33E+09	1.69E+04
B1-05100AF-SFC-256-GD	2.24E+07	4.04E+09	3.20E+04
B1-05100AF-SFC-257-GD	1.82E+07	3.28E+09	3.50E+04
B1-05100AF-SFC-258-GD	1.88E+07	3.39E+09	3.24E+04
B1-05100AF-SFC-259-GD	2.01E+07	3.63E+09	5.94E+04
B1-05100AF-SFC-260-GD	1.81E+07	3.27E+09	5.90E+04
B1-05100AF-SFC-273-GD	2.29E+07	4.13E+09	5.62E+04
B1-05100AF-SFC-274-GD	2.46E+07	4.44E+09	5.06E+04
B1-05100AF-SFC-295-GD	4.31E+05	7.78E+07	8.58E+04
B1-05100AF-SFC-350-GD	7.50E+05	1.35E+08	6.90E+04
B1-05100AF-SFC-351-GD	9.66E+05	1.74E+08	1.49E+05
B1-05100AF-SFC-352-GD	1.08E+06	1.95E+08	9.98E+04
B1-05100AF-SFC-466-GD	1.92E+07	3.46E+09	3.36E+04

#### MEAN ROC CONCENTRATIO

Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
7.45E+04	1.34E+07	3.13E+02

#### MEASUREMENTS WITH ELEVATED CONCEN

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B3-06100B-FRFC-008-GD	1.68E+05	3.03E+07	3.38E+03

**MEAN ROC CONCENTRATION**

Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
1.18E+06	2.14E+08	1.08E+02

**MEASUREMENTS WITH ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B3-09200B-FRFC-005-GD	9.51E+06	1.72E+09	5.32E+02
B3-09200B-FRCC-008-GD	6.89E+06	1.24E+09	5.38E+02

**MEAN ROC CONCENTRATION**

Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
1.50E+04	2.70E+06	1.37E+03

**MEASUREMENTS WITH ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B3-6213AF-SFC-002-GD	3.75E+03	6.77E+05	1.41E+04
B3-6213AF-SWC-017-GD	0.00E+00	0.00E+00	5.04E+03

During this assessment, it was discovered that the calculation for elevated measurement mean dose fraction to each adjusted elevated calculation and then summed the dose was added twice.

**MEAN ROC CONCENTRATION**

Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
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1.61E+04	2.90E+06	6.40E+02
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#### MEASUREMENTS WITH ELEVATED CONCEN

MEASUREMENT ID	Co-60 (pCi/m2)	Ni-63 (pCi/m2)	Sr-90 (pCi/m2)
B1-6214AF-SFC-004-GD	2.84E+04	5.12E+06	6.06E+03

During this assessment, it was discovered that the calculation for elevated measu  
mean dose fraction to each adjusted elevated calculation and then summed the d  
was added twice.

#### MEAN ROC CONCENTRATIO

Co-60 (dpm/100cm <sup>2</sup> )	Ni-63 (dpm/100cm <sup>2</sup> )	Sr-90 (dpm/100cm <sup>2</sup> )
2.35E+02	4.24E+04	3.84E+01

#### MEASUREMENTS WITH ELEVATED CONCEN

MEASUREMENT ID		Co-60 (dpm/100cm <sup>2</sup> )	Ni-63 (dpm/100cm <sup>2</sup> )	Sr-90 (dpm/100cm <sup>2</sup> )
Pipe 1 & 2	Position 8	3.16E+02	5.70E+04	5.18E+01
Pipe 1 & 2	Position 9	3.63E+02	6.55E+04	5.95E+01
Pipe 1 & 2	Position 10	3.41E+02	6.16E+04	5.59E+01
Pipe 1 & 2	Position 11	3.32E+02	5.99E+04	5.43E+01
Pipe 1 & 2	Position 16	3.23E+02	5.83E+04	5.29E+01
Pipe 1 & 2	Position 17	3.26E+02	5.88E+04	5.33E+01
Pipe 1 & 2	Position 22	3.14E+02	5.66E+04	5.14E+01
Pipe 1 & 2	Position 23	3.41E+02	6.16E+04	5.59E+01
Pipe 1 & 2	Position 25	3.21E+02	5.79E+04	5.26E+01
Pipe 1 & 2	Position 26	3.06E+02	5.53E+04	5.02E+01
Pipe 1 & 2	Position 27	3.19E+02	5.75E+04	5.22E+01
Pipe 1 & 2	Position 28	3.11E+02	5.62E+04	5.10E+01
Pipe 3	Position 5	3.42E+02	6.18E+04	5.61E+01
Pipe 3	Position 6	3.86E+02	6.97E+04	6.32E+01
Pipe 3	Position 7	4.13E+02	7.46E+04	6.77E+01
Pipe 3	Position 8	3.82E+02	6.88E+04	6.25E+01
Pipe 3	Position 9	3.78E+02	6.82E+04	6.18E+01
Pipe 3	Position 10	3.60E+02	6.50E+04	5.90E+01
Pipe 3	Position 11	3.55E+02	6.41E+04	5.82E+01

Pipe 3	Position 12	3.68E+02	6.63E+04	6.02E+01
Pipe 3	Position 14	3.69E+02	6.66E+04	6.04E+01
Pipe 3	Position 15	3.58E+02	6.45E+04	5.86E+01
Pipe 3	Position 16	3.53E+02	6.38E+04	5.79E+01
Pipe 3	Position 17	3.60E+02	6.50E+04	5.90E+01
Pipe 3	Position 18	3.72E+02	6.70E+04	6.08E+01
Pipe 3	Position 19	3.94E+02	7.10E+04	6.44E+01
Pipe 3	Position 20	3.90E+02	7.04E+04	6.39E+01
Pipe 3	Position 21	4.05E+02	7.30E+04	6.63E+01
Pipe 3	Position 22	3.47E+02	6.26E+04	5.68E+01
Pipe 3	Position 23	3.31E+02	5.96E+04	5.41E+01
Pipe 3	Position 24	3.52E+02	6.34E+04	5.76E+01
Pipe 3	Position 26	3.66E+02	6.60E+04	5.99E+01
Pipe 3	Position 27	4.21E+02	7.59E+04	6.89E+01
Pipe 3	Position 28	3.81E+02	6.87E+04	6.24E+01
Pipe 3	Position 29	3.89E+02	7.01E+04	6.36E+01
Pipe 3	Position 30	3.34E+02	6.02E+04	5.46E+01
Pipe 5 & 6	Position 26	3.08E+02	5.56E+04	5.04E+01
Pipe 8 & 9	Position 8	3.04E+02	5.49E+04	4.98E+01
Pipe 10	Position 1	3.24E+02	5.85E+04	5.31E+01
Pipe 10	Position 2	4.51E+02	8.14E+04	7.39E+01
Pipe 10	Position 3	3.52E+02	6.35E+04	5.77E+01
Pipe 10	Position 4	3.31E+02	5.97E+04	5.42E+01
Pipe 10	Position 5	3.32E+02	5.99E+04	5.44E+01
Pipe 10	Position 6	3.46E+02	6.25E+04	5.67E+01
Pipe 10	Position 7	3.33E+02	6.01E+04	5.45E+01
Pipe 10	Position 8	3.19E+02	5.76E+04	5.22E+01
Pipe 10	Position 9	3.16E+02	5.70E+04	5.17E+01
Pipe 10	Position 10	3.03E+02	5.47E+04	4.96E+01
Pipe 10	Position 13	3.01E+02	5.44E+04	4.94E+01
Pipe 10	Position 16	3.10E+02	5.60E+04	5.08E+01
Pipe 11 & 12	Position 39	3.17E+02	5.73E+04	5.20E+01
Pipe 11 & 12	Position 11	3.99E+02	7.20E+04	6.53E+01
Pipe 11 & 12	Position 12	3.20E+02	5.78E+04	5.25E+01



$$\frac{C_{B_{ROC_i}} - \text{Mean Conc}_{B_{ROC_i}}}{DCGL_{B_{ROC_i}} \times \left( \frac{SA_{SU}}{SA_{Elev}} \right)}$$

$SOF_{EP/PI}$

**SURVEY UNIT 01100- UNIT 1 CTMT AF**

NS

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	Mean BcSOF	Measuremen
9.55E+03	1.59E+05	1.28E+05	3.40E+04	0.017	

TRATIONS (>OpSOF but <BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	OpSOF	MEASURE
5.83E+04	7.37E+05	5.71E+06	2.74E+05	1.156	B1-01100AF-SI

**SURVEY UNIT 01111 - UNIT 1 CTMT**

NS

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	Mean BcSOF	Measuremen
2.67E+03	1.82E+07	1.18E+05	1.60E+04	0.029	

TRATIONS (>OpSOF but <BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	OpSOF	MEASURE
4.26E+04	2.91E+08	1.88E+06	2.56E+05	5.793	S1-01111A-FSS

**SURVEY UNIT 01112 - UNIT 1 C**

NS

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	Mean BcSOF
1.46E+03	9.92E+06	6.40E+04	8.73E+03	<b>0.038</b>

Measuremen

TRATIONS (&gt;OpSOF but &lt;BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Eu-152 (pCi/m2)	Eu-154 (pCi/m2)	OpSOF	MEASURE
1.77E+04	1.21E+08	7.80E+05	1.06E+05	6.864	P123
2.02E+04	1.38E+08	8.89E+05	1.21E+05	7.819	P123
2.22E+04	1.51E+08	9.77E+05	1.33E+05	8.600	P123
2.15E+04	1.46E+08	9.44E+05	1.29E+05	8.310	P123
1.97E+04	1.34E+08	8.68E+05	1.18E+05	7.635	P123
1.75E+04	1.19E+08	7.69E+05	1.05E+05	6.764	P123
1.63E+04	1.11E+08	7.18E+05	9.80E+04	6.321	P123
1.53E+04	1.04E+08	6.72E+05	9.17E+04	5.915	P123
1.44E+04	9.83E+07	6.34E+05	8.65E+04	5.581	P123
1.54E+04	1.05E+08	6.76E+05	9.22E+04	5.951	P123
1.61E+04	1.10E+08	7.10E+05	9.68E+04	6.243	P123
1.61E+04	1.10E+08	7.08E+05	9.66E+04	6.231	P123
1.69E+04	1.15E+08	7.45E+05	1.02E+05	6.555	P123
1.51E+04	1.03E+08	6.64E+05	9.06E+04	5.845	P123
1.17E+04	8.00E+07	5.16E+05	7.04E+04	4.544	P123
9.92E+03	6.76E+07	4.37E+05	5.95E+04	3.841	P123
9.25E+03	6.31E+07	4.07E+05	5.55E+04	3.582	P123
8.93E+03	6.09E+07	3.93E+05	5.36E+04	3.456	P123
9.22E+03	6.29E+07	4.06E+05	5.53E+04	3.570	P123
7.48E+03	5.10E+07	3.29E+05	4.49E+04	2.897	P123
5.52E+03	3.76E+07	2.43E+05	3.31E+04	2.137	P123
4.83E+03	3.29E+07	2.13E+05	2.90E+04	1.870	P123
3.52E+03	2.40E+07	1.55E+05	2.11E+04	1.362	P123
6.84E+03	4.66E+07	3.01E+05	4.10E+04	2.647	P124
5.67E+03	3.86E+07	2.49E+05	3.40E+04	2.194	P124
5.92E+03	4.04E+07	2.61E+05	3.55E+04	2.293	P124
5.99E+03	4.08E+07	2.63E+05	3.59E+04	2.318	P124
5.90E+03	4.02E+07	2.60E+05	3.54E+04	2.286	P124
5.60E+03	3.82E+07	2.46E+05	3.36E+04	2.169	P124
4.97E+03	3.39E+07	2.19E+05	2.98E+04	1.924	P124

4.80E+03	3.27E+07	2.11E+05	2.88E+04	1.859	P124
4.83E+03	3.29E+07	2.12E+05	2.90E+04	1.868	P124
4.92E+03	3.35E+07	2.16E+05	2.95E+04	1.904	P124
5.09E+03	3.47E+07	2.24E+05	3.05E+04	1.971	P124
5.18E+03	3.53E+07	2.28E+05	3.11E+04	2.007	P124
5.25E+03	3.58E+07	2.31E+05	3.15E+04	2.031	P124
5.47E+03	3.73E+07	2.40E+05	3.28E+04	2.116	P124
5.25E+03	3.58E+07	2.31E+05	3.15E+04	2.034	P124
4.20E+03	2.86E+07	1.85E+05	2.52E+04	1.626	P124
3.69E+03	2.51E+07	1.62E+05	2.21E+04	1.427	P124
3.42E+03	2.33E+07	1.50E+05	2.05E+04	1.323	P124
2.96E+03	2.02E+07	1.30E+05	1.78E+04	1.146	P124
3.81E+03	2.60E+07	1.68E+05	2.29E+04	1.475	P021

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## SURVEY UNIT 03202 - SFP/T

NS

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Mean BcSOF
1.07E+04	9.48E+05	0.029

Measuremen

TRATIONS (<OpSOF but <BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	OpSOF
1.43E+04	1.40E+07	1.843
0.00E+00	9.99E+06	1.356

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## SURVEY UNIT 05100 - AUXI

NS

Cs-134	Cs-137	Mean
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Measuremen



(pCi/m2)	(pCi/m2)	<b>BcSOF</b>
5.22E+04	3.15E+06	<b>0.046</b>

**TRATIONS (>OpSOF but <BcSOF)**

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	<b>OpSOF</b>
2.84E+05	1.26E+07	1.08
0.00E+00	1.37E+07	1.25
8.72E+04	1.23E+07	1.12
2.27E+05	8.46E+06	1.00
6.63E+04	1.60E+07	1.78
3.72E+05	1.75E+07	1.58
1.32E+05	1.62E+07	1.57
1.98E+05	2.97E+07	2.03
1.12E+05	2.95E+07	1.91
7.29E+05	2.81E+07	2.16
1.93E+05	2.53E+07	2.17
4.70E+04	4.29E+07	1.25
8.58E+04	3.45E+07	1.03
1.49E+05	7.46E+07	2.19
0.00E+00	4.99E+07	1.49
1.86E+05	1.68E+07	1.61

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**SURVEY UNIT 06100 - TUR**

NS

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	<b>Mean BcSOF</b>
9.21E+04	1.56E+05	<b>0.021</b>

Measuremen

**TRATIONS (>OpSOF but <BcSOF)**

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	<b>OpSOF</b>
2.14E+05	1.69E+06	1.346

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**SURVEY UNIT 09200B - CIRCULATING V**

NS

Measuremen

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Mean BcSOF
2.66E+04	5.40E+04	0.119

TRATIONS (&gt;OpSOF but &lt;BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	OpSOF
8.85E+04	2.66E+05	2.252
7.40E+04	2.69E+05	1.64

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**SURVEY UNIT 06213 - UNIT 1 EAST M**

NS

Measuremen

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Mean BcSOF
3.67E+04	6.86E+05	0.038

TRATIONS (&gt;OpSOF but &lt;BcSOF)

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	OpSOF
3.88E+04	1.51E+06	4.21
4.09E+04	2.52E+06	1.51

urement dose for this survey unit was not calculated correctly. The Engineer performing the calculation used an inflation factor of 2.0. This inflation approximately doubled the reported adjusted dose fraction of 0.127 as the mean c

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**SURVEY UNIT 06214 - UNIT 1 WEST M**

NS

Measuremen

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	Mean BcSOF
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4.40E+04	3.20E+05	<b>0.020</b>
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**TRATIONS (>OpSOF but <BcSOF)**

Cs-134 (pCi/m2)	Cs-137 (pCi/m2)	<b>OpSOF</b>
0.00E+00	3.03E+06	1.82

urement dose for this survey unit was not calculated correctly. The Engineer performing the calculation used an incorrect conversion factor. This inflation approximately doubled the reported adjusted dose fraction of 0.053 as the mean c

## SURVEY UNIT 000101B - PRIMARY

NS

Cs-134 (dpm/100cm <sup>2</sup> )	Cs-137 (dpm/100cm <sup>2</sup> )	<b>Mean BcSOF</b>
2.55E+00	1.92E+04	<b>0.201</b>

Measuremen

**TRATIONS (>OpSOF but <BcSOF)**

Cs-134 (dpm/100cm <sup>2</sup> )	Cs-137 (dpm/100cm <sup>2</sup> )	<b>OpSOF</b>
3.44E+00	2.59E+04	1.055
3.95E+00	2.97E+04	1.212
3.71E+00	2.80E+04	1.140
3.61E+00	2.72E+04	1.108
3.51E+00	2.65E+04	1.080
3.54E+00	2.67E+04	1.088
3.41E+00	2.57E+04	1.047
3.71E+00	2.80E+04	1.140
3.49E+00	2.63E+04	1.071
3.33E+00	2.51E+04	1.023
3.46E+00	2.61E+04	1.063
3.38E+00	2.55E+04	1.039
3.72E+00	2.80E+04	1.143
4.20E+00	3.16E+04	1.289
4.49E+00	3.38E+04	1.380
4.15E+00	3.12E+04	1.274
4.11E+00	3.09E+04	1.261
3.91E+00	2.95E+04	1.202
3.86E+00	2.91E+04	1.186

ME

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 1 & 2

Pipe 3

Pipe 3

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Pipe 3



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$$N = \sum_{i=1}^n \frac{\text{Mean Conc}_{EP/PN_{ROG_i}}}{BcDCGL_{EP/PN_{ROG_i}}} + \frac{\left( \text{Elev Conc}_{EP/PN_{ROG_i}} - M \right)}{\left[ BcDCGL_{EP/PN_{ROG_i}} \right]}$$

## BOVE 568 FOOT ELEVATION

ts exceeding OpSOF of "one" = 1  
 Survey Unit Area = 2,465 m<sup>2</sup> (LTP CH 5, Table 5-19)  
 Elevated Area = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

### BcSOF FROM ELEVATED CONCENTRATION

LEMENT ID	H-3	Co-60	Ni-63	Sr-90	Cs-134
FM-126-GD	0.000	0.000	0.001	0.000	0.000

### MEAN BcSOF I

### TOTAL BcSOF ADJUSTMEN

### ADJU

### DC

## IC SUMP DISCHARGE PIPE

ts exceeding OpSOF of "one" = 1  
 Survey Unit Area = 0.860 m<sup>2</sup> (Release Record 01110 Table 5)  
 Elevated Area = 0.036 m<sup>2</sup> (FOV of Detector in Pipe at 1 ft

### BcSOF FROM ELEVATED CONCENTRATION

LEMENT ID	H-3	Co-60	Ni-63	Sr-90	Cs-134
SM-001-GD	0.002	0.000	0.002	0.005	0.000

### MEAN BcSOF I

### TOTAL BcSOF ADJUSTMEN

### ADJU

### DC

## TMT PENETRATIONS

ts exceeding OpSOF of "one" = 43  
 Survey Unit Area = 242.360 m<sup>2</sup> (Release Record 01110 Table 5)  
 Elevated Area = 0.559 m<sup>2</sup> (FOV of Detector in Pipe at 1 ft

**BcSOF FROM ELEVATED CONCENTRATION**

LEMENT ID	H-3	Co-60	Ni-63	Sr-90	Cs-134
Position #1	0.000	0.000	0.000	0.000	0.000
Position #2	0.000	0.000	0.000	0.000	0.000
Position #3	0.000	0.000	0.000	0.000	0.000
Position #4	0.000	0.000	0.000	0.000	0.000
Position #5	0.000	0.000	0.000	0.000	0.000
Position #6	0.000	0.000	0.000	0.000	0.000
Position #7	0.000	0.000	0.000	0.000	0.000
Position #8	0.000	0.000	0.000	0.000	0.000
Position #9	0.000	0.000	0.000	0.000	0.000
Position #10	0.000	0.000	0.000	0.000	0.000
Position #11	0.000	0.000	0.000	0.000	0.000
Position #12	0.000	0.000	0.000	0.000	0.000
Position #13	0.000	0.000	0.000	0.000	0.000
Position #14	0.000	0.000	0.000	0.000	0.000
Position #15	0.000	0.000	0.000	0.000	0.000
Position #16	0.000	0.000	0.000	0.000	0.000
Position #17	0.000	0.000	0.000	0.000	0.000
Position #18	0.000	0.000	0.000	0.000	0.000
Position #19	0.000	0.000	0.000	0.000	0.000
Position #20	0.000	0.000	0.000	0.000	0.000
Position #21	0.000	0.000	0.000	0.000	0.000
Position #22	0.000	0.000	0.000	0.000	0.000
Position #23	0.000	0.000	0.000	0.000	0.000
Position #1	0.000	0.000	0.000	0.000	0.000
Position #2	0.000	0.000	0.000	0.000	0.000
Position #3	0.000	0.000	0.000	0.000	0.000
Position #4	0.000	0.000	0.000	0.000	0.000
Position #5	0.000	0.000	0.000	0.000	0.000
Position #6	0.000	0.000	0.000	0.000	0.000
Position #7	0.000	0.000	0.000	0.000	0.000

Position #8	0.000	0.000	0.000	0.000	0.000
Position #9	0.000	0.000	0.000	0.000	0.000
Position #10	0.000	0.000	0.000	0.000	0.000
Position #11	0.000	0.000	0.000	0.000	0.000
Position #12	0.000	0.000	0.000	0.000	0.000
Position #13	0.000	0.000	0.000	0.000	0.000
Position #14	0.000	0.000	0.000	0.000	0.000
Position #15	0.000	0.000	0.000	0.000	0.000
Position #16	0.000	0.000	0.000	0.000	0.000
Position #17	0.000	0.000	0.000	0.000	0.000
Position #18	0.000	0.000	0.000	0.000	0.000
Position #19	0.000	0.000	0.000	0.000	0.000
By Direct Scan	0.000	0.000	0.000	0.000	0.000

**MEAN BcSOF I**

**TOTAL BcSOF ADJUSTMENT**

**ADJUSTED**

**DOSE**

## TRANSFER CANAL

Points exceeding OpSOF of "one" = 2  
 Survey Unit Area = 723 m<sup>2</sup> (LTP Ch 6 Table 6-50)  
 Elevated Area #1 = 3.140 m<sup>2</sup> (FOV of 1st ISOCS Measurement)  
 Elevated Area #2 = 7.110 m<sup>2</sup> (FOV of 2nd ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATIONS**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B1-03202A-FSFC-006-GD	0.000	0.000	0.000	0.000
B1-03202A-FSFC-039-GD	0.000	0.000	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATIONS**

**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENTS**

**ADJUSTED BcSOF FOR SURVEY UNIT**

**DOSE FOR SURVEY UNIT 03202A**

## LIABY BUILDING

Points exceeding OpSOF of "one" = 16



Survey Unit Area = 7226 m<sup>2</sup> (LTP Ch 5 Table 5-23)  
 Elevated Area #1 = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B1-05100AF-SWC-204-GD	0.000	0.001	0.000	0.000
B1-05100AF-SWC-205-GD	0.000	0.001	0.000	0.000
B1-05100AF-SWC-206-GD	0.000	0.001	0.000	0.000
B1-05100AF-SWC-212-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-256-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-257-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-258-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-259-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-260-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-273-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-274-GD	0.000	0.001	0.000	0.000
B1-05100AF-SFC-295-GD	0.000	0.000	0.000	0.000
B1-05100AF-SFC-350-GD	0.000	0.000	0.000	0.000
B1-05100AF-SFC-351-GD	0.000	0.000	0.000	0.000
B1-05100AF-SFC-352-GD	0.000	0.000	0.000	0.000
B1-05100AF-SFC-466-GD	0.000	0.001	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATION**

**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENTS**

**ADJUSTED BcSOF FOR SURVEY UNIT**

**DOSE FOR SURVEY UNIT 05100**

**ENGINE BUILDING**

Units exceeding OpSOF of "one" = 1  
 Survey Unit Area = 27,135 m<sup>2</sup> (LTP Chapter 6, Tables 6-22 and 6-23)  
 Elevated Area #1 = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B3-06100B-FRFC-008-GD	0.000	0.000	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATION**

**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENTS**

**ADJUSTED BcSOF FOR SURVEY  
DOSE FOR SURVEY UNIT 0610**

**WATER DISCHARGE TUNNELS**

ts exceeding OpSOF of "one" = 2  
Survey Unit Area = 4,868 m<sup>2</sup> (LTP Chapter 6, Tables 6-22 and  
Elevated Area #1 = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B3-09200B-FRFC-005-GD	0.001	0.004	0.000	0.000
B3-09200B-FRCC-008-GD	0.000	0.003	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATION**

**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENTS**

**ADJUSTED BcSOF FOR SURVEY  
DOSE FOR SURVEY UNIT 09200**

**MAIN STEAM VALVE HOUSE**

ts exceeding OpSOF of "one" = 2  
Survey Unit Area = 304 m<sup>2</sup> (Release Record Table 6)  
Elevated Area #1 = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B3-6213AF-SFC-002-GD	0.000	0.000	0.002	0.000
B3-6213AF-SWC-017-GD	0.000	0.000	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATION**

ion added the **TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENTS**

lose fraction **ADJUSTED BcSOF FOR SURVEY  
DOSE FOR SURVEY UNIT 0621**

**MAIN STEAM VALVE HOUSE**

ts exceeding OpSOF of "one" = 1  
Survey Unit Area = 304 m<sup>2</sup> (Release Record Table 6)

Elevated Area #1 = 28 m<sup>2</sup> (FOV of ISOCS Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
B1-6214AF-SFC-004-GD	0.000	0.000	0.001	0.000

**MEAN BcSOF FROM MEAN ROC CONCENTRATION**

ion added the  
lose fraction

**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASUREMENT**

**ADJUSTED BcSOF FOR SURVEY UNIT**

**DOSE FOR SURVEY UNIT 0621**

**WATER BURIED PIPING**

its exceeding OpSOF of "one" = 53

Survey Unit Area = 29.01 m<sup>2</sup> (Release Record Section 7 Text)

Elevated Area #1 = 0.15 m<sup>2</sup> (FOV of Gamma Measurement)

**BcSOF FROM ELEVATED CONCENTRATION**

MEASUREMENT ID	Co-60	Ni-63	Sr-90	Cs-134
Position 8	0.000	0.000	0.000	0.000
Position 9	0.000	0.000	0.000	0.000
Position 10	0.000	0.000	0.000	0.000
Position 11	0.000	0.000	0.000	0.000
Position 16	0.000	0.000	0.000	0.000
Position 17	0.000	0.000	0.000	0.000
Position 22	0.000	0.000	0.000	0.000
Position 23	0.000	0.000	0.000	0.000
Position 25	0.000	0.000	0.000	0.000
Position 26	0.000	0.000	0.000	0.000
Position 27	0.000	0.000	0.000	0.000
Position 28	0.000	0.000	0.000	0.000
Position 5	0.000	0.000	0.000	0.000
Position 6	0.000	0.000	0.000	0.000
Position 7	0.000	0.000	0.000	0.000
Position 8	0.000	0.000	0.000	0.000
Position 9	0.000	0.000	0.000	0.000
Position 10	0.000	0.000	0.000	0.000
Position 11	0.000	0.000	0.000	0.000

Position 12	0.000	0.000	0.000	0.000
Position 14	0.000	0.000	0.000	0.000
Position 15	0.000	0.000	0.000	0.000
Position 16	0.000	0.000	0.000	0.000
Position 17	0.000	0.000	0.000	0.000
Position 18	0.000	0.000	0.000	0.000
Position 19	0.000	0.000	0.000	0.000
Position 20	0.000	0.000	0.000	0.000
Position 21	0.000	0.000	0.000	0.000
Position 22	0.000	0.000	0.000	0.000
Position 23	0.000	0.000	0.000	0.000
Position 24	0.000	0.000	0.000	0.000
Position 26	0.000	0.000	0.000	0.000
Position 27	0.000	0.000	0.000	0.000
Position 28	0.000	0.000	0.000	0.000
Position 29	0.000	0.000	0.000	0.000
Position 30	0.000	0.000	0.000	0.000
Position 26	0.000	0.000	0.000	0.000
Position 8	0.000	0.000	0.000	0.000
Position 1	0.000	0.000	0.000	0.000
Position 2	0.000	0.000	0.000	0.000
Position 3	0.000	0.000	0.000	0.000
Position 4	0.000	0.000	0.000	0.000
Position 5	0.000	0.000	0.000	0.000
Position 6	0.000	0.000	0.000	0.000
Position 7	0.000	0.000	0.000	0.000
Position 8	0.000	0.000	0.000	0.000
Position 9	0.000	0.000	0.000	0.000
Position 10	0.000	0.000	0.000	0.000
Position 13	0.000	0.000	0.000	0.000
Position 16	0.000	0.000	0.000	0.000
Position 39	0.000	0.000	0.000	0.000
Position 11	0.000	0.000	0.000	0.000
Position 12	0.000	0.000	0.000	0.000

**MEAN BcSOF FROM MEAN ROC CONCEN**  
**TOTAL BcSOF ADJUSTMENT FROM ELEVATED MEASI**  
**ADJUSTED BcSOF FOR SURVEY**



$$\left( \text{Mean Conc}_{EP/PN_{ROC_i}} \right)$$

$$\times \left( \frac{SA_{SU}}{SA_{Elev}} \right) \Big]$$

NS

Cs-137	Eu-152	Eu-154	BcSOF ADJ	Reported in Current Release Record
0.000	0.000	0.000	0.002	
FROM MEAN ROC CONCENTRATIONS =			0.017	0.017
T FROM ELEVATED MEASUREMENTS =			0.002	0.002
JUSTED BcSOF FOR SURVEY UNIT 01100 =			0.019	0.019
DOSE FOR SURVEY UNIT 01100 (mrem/yr) =			0.463	0.463

)  
increments)

NS

Cs-137	Eu-152	Eu-154	BcSOF ADJ	Reported in Current Release Record
0.008	0.000	0.000	0.018	
FROM MEAN ROC CONCENTRATIONS =			0.029	0.029
T FROM ELEVATED MEASUREMENTS =			0.018	0.020
JUSTED BcSOF FOR SURVEY UNIT 01111 =			0.047	0.049
DOSE FOR SURVEY UNIT 01111 (mrem/yr) =			1.182	1.221

NS

[illegible]





NS

Cs-137	BcSOF ADJ
0.000	0.001
0.000	0.001
0.000	0.001
0.000	0.001
0.000	0.002
0.001	0.002
0.000	0.002
0.001	0.002
0.001	0.002
0.001	0.003
0.001	0.003
0.001	0.001
0.001	0.001
0.002	0.003
0.002	0.002
0.000	0.002

CONTRIBUTIONS =	0.046	Reported in Current Release Record	0.046
MEASUREMENTS =	0.029		0.029
UNIT 01111 =	0.075		0.075
DOSE (mrem/yr) =	1.868		1.868



d 6-23)

NS

Cs-137	BcSOF ADJ
0.000	0.000

CONTRIBUTIONS =	0.021	Reported in Current Release Record	0.021
MEASUREMENTS =	0.000		0.000

UNIT 01111 =	0.021	0.021
00 (mrem/yr) =	0.521	0.523

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d 6-23)

NS

Cs-137	BcSOF ADJ	Reported in Current Release Record
0.000	0.005	
0.000	0.003	
UTRATIONS =	0.119	0.119
UREMENTS =	0.008	0.008
UNIT 01111 =	0.127	0.127
0B (mrem/yr) =	3.183	3.180

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NS

Cs-137	BcSOF ADJ	Reported in Current Release Record
0.004	0.005	
0.008	0.008	
UTRATIONS =	0.038	0.038
UREMENTS =	0.013	0.089
UNIT 01111 =	0.051	0.127
13 (mrem/yr) =	1.285	3.186

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NS

Cs-137	<b>BcSOF</b>
0.012	<b>ADJ</b> 0.012

**Reported in  
Current Release  
Record**

ADJUSTMENTS =	0.020	0.020
ADJUSTMENTS =	0.012	0.033
UNIT 01111 =	0.033	0.053
14 (mrem/yr) =	0.816	1.324

)

NS

[illegible]

0.001	0.001
0.001	0.001
0.001	0.001
0.000	0.001
0.001	0.001
0.001	0.001
0.001	0.001
0.001	0.001
0.001	0.001
0.000	0.000
0.000	0.000
0.000	0.001
0.001	0.001
0.001	0.001
0.001	0.001
0.001	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.001
0.000	0.000

**UTRATIONS = 0.201**  
**UREMENTS = 0.026**  
**UNIT 01111 = 0.227**

**Reported in  
Current Release  
Record**

0.201  
 0.026  
 0.227

$$D_0 \text{ (mrem/yr)} = 5.674 \quad 5.673$$

**B1-01110-CJWC-002-CV - Conts**

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	3.24E+01	1.42E+01	2.29E+01	Yes
C-14	6.14E+00	1.86E+00	2.97E+00	Yes
Fe-55	2.65E+01	1.62E+01	2.42E+01	Yes
Ni-59	0.00E+00	2.98E+01	4.64E+01	No
Co-60	1.13E+02	7.71E+00	7.50E+00	Yes
Ni-63	5.58E+03	2.07E+01	2.91E+00	Yes
Sr-90	1.53E+02	3.37E+00	7.92E-01	Yes
Nb-94	4.94E-01	3.94E+00	5.76E+00	No
Tc-99	2.01E+00	7.72E-01	1.25E+00	Yes
Ag-108m	1.94E+00	6.14E+00	8.90E+00	No
Sb-125	0.00E+00	8.85E+01	1.10E+02	No
Cs-134	0.00E+00	1.42E+01	6.61E+00	No
Cs-137	6.77E+04	1.19E+04	6.27E+01	Yes
Pm-147	3.07E+01	1.47E+00	1.57E+00	Yes
Eu-152	7.67E+01	1.33E+01	1.18E+01	Yes
Eu-154	1.32E+00	5.25E+00	8.15E+00	No
Eu-155	0.00E+00	2.80E+01	2.93E+01	No
Np-237	2.64E-03	3.68E-02	1.05E-01	No
Pu-238	3.56E-02	6.78E-02	1.25E-01	No
Pu-239/240	1.07E-01	1.07E-01	1.25E-01	No
Pu-241	0.00E+00	8.07E+00	1.41E+01	No
Am-241	2.21E-01	1.32E-01	1.01E-01	Yes
Am-243	4.98E-02	8.47E-02	1.49E-01	No
Cm-243/244	0.00E+00	3.60E-02	7.55E-02	No

(1) assumes 1/2 inch depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL

ROC Dose = 1229.346

1229.343

IC Dose = 0.436

0.209

**B1-02110-CJWC-001-CV - Conts**

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	6.99E+01	1.25E+01	1.84E+01	Yes
C-14	3.19E+00	2.68E+00	4.47E+00	No
Fe-55	4.05E+00	6.61E+00	1.00E+01	No
Ni-59	2.53E+01	8.21E+01	1.34E+02	No
Co-60	2.65E+00	5.07E-01	1.31E-01	Yes
Ni-63	1.15E+04	5.08E+01	8.49E+00	Yes

Sr-90	1.74E+02	3.55E+00	8.13E-01	Yes
Nb-94	0.00E+00	5.04E-01	6.65E-01	No
Tc-99	1.61E+00	7.55E-01	1.24E+00	Yes
Ag-108m	3.37E-01	4.36E-01	8.09E-01	No
Sb-125	0.00E+00	1.30E+01	1.85E+01	No
Cs-134	0.00E+00	2.60E+00	8.52E-01	No
Cs-137	1.68E+03	2.96E+02	6.66E+00	Yes
Pm-147	2.32E+00	8.88E-01	1.43E+00	Yes
Eu-152	9.24E+00	2.33E+00	1.17E+00	Yes
Eu-154	3.90E-01	4.42E-01	1.40E+00	No
Eu-155	0.00E+00	5.15E+00	5.32E+00	No
Np-237	4.64E-03	3.00E-02	8.17E-02	No
Pu-238	0.00E+00	4.28E-02	1.46E-01	No
Pu-239/240	3.39E-02	6.59E-02	1.23E-01	No
Pu-241	0.00E+00	5.66E+00	9.77E+00	No
Am-241	0.00E+00	3.46E-02	1.14E-01	No
Am-243	8.44E-02	8.72E-02	1.10E-01	No
Cm-243/244	1.53E-02	4.53E-02	9.86E-02	No

(1) assumes 1/2 inch depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL

ROC Dose = 112.486

112.485

IC Dose = 0.323

0.108

### B1-05100-CJFC-003-CV - Auxiliary

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	4.70E+01	2.20E+01	3.57E+01	Yes
C-14	8.06E-01	3.08E+00	5.23E+00	No
Fe-55	0.00E+00	2.32E+00	3.55E+00	No
Ni-59	8.60E-01	1.63E+00	2.65E+00	No
Co-60	1.57E+00	2.77E-01	1.79E-01	Yes
Ni-63	1.80E+01	5.35E+00	8.50E+00	Yes
Sr-90	4.05E-01	4.40E-01	7.38E-01	No
Nb-94	1.25E-01	1.67E-01	2.69E-01	No
Tc-99	9.09E-01	4.69E-01	7.71E-01	Yes
Ag-108m	0.00E+00	2.12E-01	3.14E-01	No
Sb-125	0.00E+00	2.64E+00	3.29E+00	No
Cs-134	0.00E+00	4.56E-01	3.97E-01	No
Cs-137	2.78E+02	4.33E+01	8.54E-01	Yes
Pm-147	5.47E-01	8.72E-01	1.47E+00	No
Eu-152	0.00E+00	2.79E+00	1.37E+00	No
Eu-154	5.32E-02	3.16E-01	6.39E-01	No

Eu-155	0.00E+00	5.98E-01	8.70E-01	No
Np-237	4.13E-02	5.91E-02	9.68E-02	No
Pu-238	0.00E+00	5.14E-02	1.46E-01	No
Pu-239/240	0.00E+00	4.99E-02	1.28E-01	No
Pu-241	0.00E+00	6.11E+00	1.05E+01	No
Am-241	6.37E-02	7.69E-02	1.08E-01	No
Am-243	6.50E-02	7.82E-02	1.10E-01	No
Cm-243/244	7.68E-02	8.69E-02	1.22E-01	No
(1) assumes 1/2 inch depth				
		(w/ Nuclide @ MDC)	(positive dose)	

TOTAL	ROC Dose =	1.806	1.778
	IC Dose =	0.549	0.092

### B1-05105C-JFC- 005-CV - Auxiliary B

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	5.07E+00	1.88E+01	3.21E+01	No
C-14	2.30E+00	2.95E+00	4.97E+00	No
Fe-55	0.00E+00	6.66E+00	1.04E+01	No
Ni-59	0.00E+00	5.04E+00	7.73E+00	No
Co-60	2.45E+00	3.11E-01	2.77E-01	Yes
Ni-63	3.99E+01	5.09E+00	7.33E+00	Yes
Sr-90	0.00E+00	4.23E-01	7.58E-01	No
Nb-94	0.00E+00	1.98E-01	2.75E-01	No
Tc-99	9.74E-01	6.92E-01	1.15E+00	No
Ag-108m	0.00E+00	2.16E-01	3.08E-01	No
Sb-125	0.00E+00	5.07E+00	6.24E+00	No
Cs-134	0.00E+00	7.13E-01	3.72E-01	No
Cs-137	1.15E+03	1.81E+02	3.58E+00	Yes
Pm-147	8.20E-01	9.10E-01	1.53E+00	No
Eu-152	3.20E+00	5.46E+00	1.60E+00	Yes
Eu-154	0.00E+00	4.42E-01	6.32E-01	No
Eu-155	0.00E+00	1.33E+00	2.10E+00	No
Np-237	0.00E+00	1.20E-01	2.51E-01	No
Pu-238	3.64E-02	5.58E-02	8.30E-02	No
Pu-239/240	1.65E-02	3.96E-02	8.29E-02	No
Pu-241	0.00E+00	5.06E+00	8.73E+00	No
Am-241	0.00E+00	4.21E-02	1.48E-01	No
Am-243	7.16E-02	1.03E-01	1.68E-01	No
Cm-243/244	0.00E+00	3.95E-02	1.25E-01	No

(1) assumes 1/2 inch depth				
		(w/ Nuclide @ MDC)	(positive dose)	
TOTAL	ROC Dose =	7.342	7.342	
	IC Dose =	0.080	0.004	



### B1-05106-CJFC-003-CV - Auxiliary Bu

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	3.86E+01	1.50E+01	2.41E+01	Yes
C-14	8.52E-01	3.25E+00	5.53E+00	No
Fe-55	9.84E-01	3.44E+00	7.14E+00	No
Ni-59	6.32E+00	6.51E+00	1.08E+01	No
Co-60	3.43E-01	3.47E-01	6.24E-01	No
Ni-63	6.88E+02	1.32E+01	8.42E+00	Yes
Sr-90	1.64E-01	3.52E-01	6.13E-01	No
Nb-94	1.87E-02	1.97E-01	3.40E-01	No
Tc-99	8.47E-01	6.28E-01	1.05E+00	No
Ag-108m	0.00E+00	3.09E-01	4.66E-01	No
Sb-125	0.00E+00	1.23E+00	1.86E+00	No
Cs-134	0.00E+00	0.00E+00	0.00E+00	No
Cs-137	2.05E+01	3.83E+00	6.93E-01	Yes
Pm-147	1.03E+00	9.36E-01	1.56E+00	No
Eu-152	1.55E+00	1.32E+00	8.80E-01	Yes
Eu-154	5.42E-02	6.37E-01	4.68E-01	No
Eu-155	0.00E+00	4.37E-01	7.09E-01	No
Np-237	2.51E-03	3.50E-02	1.00E-01	No
Pu-238	7.45E-02	9.68E-02	1.34E-01	No
Pu-239/240	0.00E+00	5.88E-02	1.67E-01	No
Pu-241	0.00E+00	5.21E+00	9.09E+00	No
Am-241	0.00E+00	3.75E-02	1.11E-01	No
Am-243	7.37E-02	7.99E-02	9.62E-02	No
Cm-243/244	0.00E+00	3.69E-02	1.00E-01	No

(1) assumes 1/2 inch depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL

ROC Dose =

0.186

0.174

IC Dose =

0.127

0.002

### B1-05107-CJWC-006-CV - Auxiliary Bu

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	9.23E+00	2.06E+01	3.51E+01	No
C-14	1.11E+01	1.32E+01	2.22E+01	No
Fe-55	0.00E+00	3.73E+01	5.61E+01	No
Ni-59	1.51E+01	2.97E+01	4.49E+01	No
Co-60	5.53E+01	4.44E+00	2.98E+00	Yes
Ni-63	2.76E+03	2.43E+01	7.91E+00	Yes
Sr-90	0.00E+00	1.54E+00	2.80E+00	No
Nb-94	2.32E+00	2.65E+00	3.99E+00	No

Tc-99	6.15E+00	2.24E+00	3.63E+00	Yes
Ag-108m	1.65E+00	3.51E+00	5.13E+00	No
Sb-125	1.25E+01	4.37E+01	5.27E+01	No
Cs-134	3.72E+00	6.79E+00	4.94E+00	No
Cs-137	3.32E+04	3.23E+03	3.59E+01	Yes
Pm-147	1.24E+00	3.52E+00	5.98E+00	No
Eu-152	0.00E+00	4.75E+01	9.63E+00	No
Eu-154	8.60E-01	5.21E+00	7.90E+00	No
Eu-155	-3.93E+00	9.50E+00	1.49E+01	No
Np-237	0.00E+00	1.43E-01	5.16E-01	No
Pu-238	0.00E+00	2.34E-01	5.07E-01	No
Pu-239/240	0.00E+00	1.73E-01	4.43E-01	No
Pu-241	1.49E+01	2.08E+01	3.50E+01	No
Am-241	2.49E-02	1.87E-01	4.81E-01	No
Am-243	3.85E-01	4.40E-01	5.79E-01	No
Cm-243/244	4.52E-02	1.88E-01	4.84E-01	No
(1) assumes 1/2 inch depth				
		(w/ Nuclide @ MDC)		(positive dose)
TOTAL		ROC Dose =	212.033	212.020
		IC Dose =	0.452	0.000

### B1-03202A-CJFC-004-CV - Spent Fuel

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	0.00E+00	3.13E+00	5.47E+00	No
C-14	2.15E-01	1.65E+00	2.81E+00	No
Fe-55	0.00E+00	5.01E-01	7.27E-01	No
Ni-59	0.00E+00	3.35E-01	5.15E-01	No
Co-60	4.14E-02	1.36E-01	2.21E-01	No
Ni-63	7.97E-01	1.03E+00	7.74E+00	No
Sr-90	0.00E+00	2.77E-01	5.98E-01	No
Nb-94	0.00E+00	1.25E-01	1.90E-01	No
Tc-99	5.77E-01	6.87E-01	1.15E+00	No
Ag-108m	0.00E+00	1.38E-01	1.81E-01	No
Sb-125	0.00E+00	4.03E-01	5.01E-01	No
Cs-134	0.00E+00	2.49E-01	2.28E-01	No
Cs-137	1.56E-01	1.62E-01	2.68E-01	No
Pm-147	1.12E-01	7.84E-01	1.34E+00	No
Eu-152	5.13E-02	5.57E-01	4.52E-01	No
Eu-154	0.00E+00	3.31E-01	2.36E-01	No
Eu-155	4.84E-02	2.33E-01	3.82E-01	No
Np-237	0.00E+00	5.40E-02	1.60E-01	No

Pu-238	4.04E-02	6.88E-02	1.16E-01	No
Pu-239/240	0.00E+00	5.39E-02	1.73E-01	No
Pu-241	2.61E+00	5.69E+00	9.63E+00	No
Am-241	2.53E-02	6.09E-01	1.22E-01	No
Am-243	0.00E+00	3.51E-02	1.13E-01	No
Cm-243/244	8.42E-03	3.52E-02	9.02E-02	No
(1) assumes 1/2 inch depth		(w/ Nuclide @ MDC)	(positive dose)	
TOTAL		ROC Dose =	0.001	0.001
		IC Dose =	0.027	0.000

### B-103202A-CJWC-006-CV - Spent Fuel

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	3.04E+00	4.45E+00	7.51E+00	No
C-14	1.07E+00	1.51E+00	2.55E+00	No
Fe-55	0.00E+00	2.01E-01	3.06E-01	No
Ni-59	1.09E-01	1.47E-01	2.39E-01	No
Co-60	3.83E+00	3.02E-01	1.48E-01	Yes
Ni-63	1.30E+01	1.20E+00	1.61E+00	Yes
Sr-90	4.82E-02	2.49E-01	5.26E-01	No
Nb-94	0.00E+00	1.57E-01	1.97E-01	No
Tc-99	8.38E-01	6.41E-01	1.07E+00	No
Ag-108m	5.04E-02	1.36E-01	2.13E-01	No
Sb-125	3.78E-02	5.06E-01	7.50E-01	No
Cs-134	3.95E-03	4.42E-02	2.43E-01	No
Cs-137	6.11E+00	7.13E-01	3.65E-01	Yes
Pm-147	1.12E+00	7.38E-01	1.22E+00	No
Eu-152	7.80E-01	7.36E-01	4.68E-01	Yes
Eu-154	0.00E+00	3.00E-01	2.39E-01	No
Eu-155	5.51E-01	2.14E-01	3.27E-01	Yes
Np-237	0.00E+00	3.73E-02	1.11E-01	No
Pu-238	0.00E+00	6.55E-02	1.86E-01	No
Pu-239/240	0.00E+00	6.45E-02	1.76E-01	No
Pu-241	3.34E+00	7.28E+00	1.23E+01	No
Am-241	3.05E-02	4.12E-02	6.45E-02	No
Am-243	5.15E-02	6.45E-02	1.01E-01	No
Cm-243/244	1.70E-02	2.89E-02	4.90E-02	No

(1) assumes 1/2 inch depth		(w/ Nuclide @ MDC)	(positive dose)	
TOTAL		ROC Dose =	0.052	0.049
		IC Dose =	0.055	0.001

### B1-03202A-CJFC-008-CV - Spent Fuel

NUCLIDE	RESULT	UNCERTAINTY	MDC	POSITIVE
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NUCLIDE	(pCi/g)	(pCi/g)	(pCi/g)	INDICATION
H-3	0.00E+00	3.90E+00	6.84E+00	No
C-14	0.00E+00	1.24E+00	2.13E+00	No
Fe-55	1.03E-01	4.07E-01	6.45E-01	No
Ni-59	-9.22E-02	3.05E-01	4.66E-01	No
Co-60	4.59E+00	3.85E-01	4.15E-01	Yes
Ni-63	9.30E+01	2.32E+00	1.75E+00	Yes
Sr-90	1.50E-01	2.59E-01	5.36E-01	No
Nb-94	3.20E-05	1.62E-01	2.27E-01	No
Tc-99	1.01E+00	6.59E-01	1.09E+00	No
Ag-108m	0.00E+00	1.52E-01	1.80E-01	No
Sb-125	1.37E-01	3.57E-01	5.57E-01	No
Cs-134	0.00E+00	5.30E-02	2.00E-01	No
Cs-137	8.24E-01	2.33E-01	3.08E-01	Yes
Pm-147	1.19E+00	7.51E-01	1.24E+00	No
Eu-152	0.00E+00	3.36E-01	4.16E-01	No
Eu-154	1.42E-01	2.81E-01	2.15E-01	No
Eu-155	1.08E-01	1.75E-01	3.37E-01	No
Np-237	9.28E-03	3.87E-02	9.94E-02	No
Pu-238	3.73E-02	8.09E-02	1.60E-01	No
Pu-239/240	6.56E-02	9.89E-02	1.59E-01	No
Pu-241	0.00E+00	8.35E+00	1.43E+01	No
Am-241	3.29E-02	5.59E-02	9.46E-02	No
Am-243	2.04E-02	4.38E-02	8.52E-02	No
Cm-243/244	3.96E-02	6.76E-02	1.19E-01	No

(1) assumes 1/2 inch depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL

ROC Dose = 0.032 0.022

IC Dose = 0.140 0.000

### B1-03202A-CJFC-010-CV - Spent Fuel

NUCLIDE	RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION
H-3	0.00E+00	3.87E+00	6.80E+00	No
C-14	4.71E-01	1.45E+00	2.46E+00	No
Fe-55	0.00E+00	2.35E-01	3.52E-01	No
Ni-59	7.61E-02	1.75E-01	2.79E-01	No
Co-60	2.55E+01	1.52E+00	3.00E-01	Yes
Ni-63	1.49E+01	1.20E+00	1.56E+00	Yes
Sr-90	0.00E+00	2.64E-01	6.07E-01	No
Nb-94	1.15E-01	2.20E-01	2.50E-01	No
Tc-99	8.03E-01	6.43E-01	1.07E+00	No
Ag-108m	0.00E+00	1.94E-01	1.76E-01	No

Sb-125	8.39E-02	3.32E-01	5.39E-01	No
Cs-134	2.62E-02	9.83E-02	1.88E-01	No
Cs-137	1.03E+01	1.08E+00	4.42E-01	Yes
Pm-147	9.15E-01	7.74E-01	1.29E+00	No
Eu-152	0.00E+00	5.21E-01	3.53E-01	No
Eu-154	0.00E+00	2.93E-01	1.79E-01	No
Eu-155	1.26E-01	1.98E-01	2.63E-01	No
Np-237	2.78E-02	6.01E-02	1.19E-01	No
Pu-238	0.00E+00	5.98E-02	1.77E-01	No
Pu-239/240	0.00E+00	5.82E-02	1.58E-01	No
Pu-241	3.81E-02	4.50E-02	6.59E-02	No
Am-241	0.00E+00	7.94E+00	1.37E+01	No
Am-243	1.30E-02	4.12E-02	8.73E-02	No
Cm-243/244	8.11E-03	2.91E-02	6.59E-02	No
(1) assumes 1/2 inch depth		(w/ Nuclide @ MDC)		(positive dose)
TOTAL		ROC Dose =	0.126	0.126
		IC Dose =	0.328	0.000

The actual IC dose will be calculated for each individual sample result; using the DCGLs from TS further action will be taken.

## Unit 1 Containment

### Containment Under-Vessel

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
9.67E+05	0.004	0.092	0.01%	H-3
1.83E+05	0.007	0.181	0.01%	C-14
7.91E+05	0.000	0.000	0.00%	Fe-55
0.00E+00	0.000	0.000	0.00%	Ni-59
3.37E+06	0.019	0.485	0.04%	Co-60
1.67E+08	0.037	0.933	0.08%	Ni-63
4.57E+06	2.872	71.797	5.84%	Sr-90
1.47E+04	0.000	0.001	0.00%	Nb-94
6.00E+04	0.005	0.135	0.01%	Tc-99
5.79E+04	0.000	0.009	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
2.02E+09	46.236	1155.896	93.99%	Cs-137
9.16E+05	0.000	0.002	0.00%	Pm-147
2.29E+06	0.006	0.141	0.01%	Eu-152
3.94E+04	0.000	0.003	0.00%	Eu-154
0.00E+00	0.000	0.000	0.00%	Eu-155
7.88E+01	0.002	0.059	0.00%	Np-237
1.06E+03	0.000	0.004	0.00%	Pu-238
3.19E+03	0.001	0.013	0.00%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
6.60E+03	0.001	0.026	0.00%	Am-241
1.49E+03	0.000	0.006	0.00%	Am-243
0.00E+00	0.000	0.000	0.00%	Cm-243/244
	49.191	1229.782	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

## Unit 2 Containment

### Containment Under-Vessel

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
2.09E+06	0.008	0.198	0.18%	H-3
9.52E+04	0.004	0.094	0.08%	C-14
1.21E+05	0.000	0.000	0.00%	Fe-55
7.55E+05	0.000	0.002	0.00%	Ni-59
7.91E+04	0.000	0.011	0.01%	Co-60
3.43E+08	0.077	1.924	1.71%	Ni-63

5.19E+06	3.266	81.651	72.38%	Sr-90
0.00E+00	0.000	0.000	0.00%	Nb-94
4.81E+04	0.004	0.108	0.10%	Tc-99
1.01E+04	0.000	0.002	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
5.01E+07	1.147	28.684	25.43%	Cs-137
6.92E+04	0.000	0.000	0.00%	Pm-147
2.76E+05	0.001	0.017	0.02%	Eu-152
1.16E+04	0.000	0.001	0.00%	Eu-154
0.00E+00	0.000	0.000	0.00%	Eu-155
1.38E+02	0.004	0.103	0.09%	Np-237
0.00E+00	0.000	0.000	0.00%	Pu-238
1.01E+03	0.000	0.004	0.00%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
0.00E+00	0.000	0.000	0.00%	Am-241
2.52E+03	0.000	0.010	0.01%	Am-243
4.57E+02	0.000	0.000	0.00%	Cm-243/244
	4.512	112.809	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

## Auxiliary Basement

### Building 542 foot Floor

RESULT <sup>(1)</sup> (pCi/m <sup>2</sup> )	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
1.40E+06	0.003	0.063	2.67%	H-3
2.41E+04	0.000	0.011	0.48%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
2.57E+04	0.000	0.000	0.00%	Ni-59
4.69E+04	0.000	0.004	0.16%	Co-60
5.37E+05	0.000	0.001	0.05%	Ni-63
1.21E+04	0.001	0.029	1.22%	Sr-90
3.73E+03	0.000	0.000	0.02%	Nb-94
2.71E+04	0.001	0.029	1.23%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
8.30E+06	0.071	1.773	75.27%	Cs-137
1.63E+04	0.000	0.000	0.00%	Pm-147
0.00E+00	0.000	0.000	0.00%	Eu-152
1.59E+03	0.000	0.000	0.00%	Eu-154

0.00E+00	0.000	0.000	0.00%	Eu-155
1.23E+03	0.018	0.438	18.58%	Np-237
0.00E+00	0.000	0.000	0.00%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
1.90E+03	0.000	0.004	0.15%	Am-241
1.94E+03	0.000	0.004	0.16%	Am-243
2.29E+03	0.000	0.000	0.02%	Cm-243/244
	0.094	2.355	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

### Building 542 foot HPT Unit 1

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
1.51E+05	0.000	0.007	0.09%	H-3
6.86E+04	0.001	0.032	0.43%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
0.00E+00	0.000	0.000	0.00%	Ni-59
7.31E+04	0.000	0.006	0.08%	Co-60
1.19E+06	0.000	0.002	0.03%	Ni-63
0.00E+00	0.000	0.000	0.00%	Sr-90
0.00E+00	0.000	0.000	0.00%	Nb-94
2.91E+04	0.001	0.031	0.42%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
3.43E+07	0.293	7.334	98.81%	Cs-137
2.45E+04	0.000	0.000	0.00%	Pm-147
9.55E+04	0.000	0.004	0.05%	Eu-152
0.00E+00	0.000	0.000	0.00%	Eu-154
0.00E+00	0.000	0.000	0.00%	Eu-155
0.00E+00	0.000	0.000	0.00%	Np-237
1.09E+03	0.000	0.002	0.02%	Pu-238
4.92E+02	0.000	0.001	0.01%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
0.00E+00	0.000	0.000	0.00%	Am-241
2.14E+03	0.000	0.004	0.05%	Am-243
0.00E+00	0.000	0.000	0.00%	Cm-243/244
	0.297	7.422	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr



### Building 542 foot HPT Unit 2

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
1.15E+06	0.002	0.052	16.52%	H-3
2.54E+04	0.000	0.012	3.82%	C-14
2.94E+04	0.000	0.000	0.00%	Fe-55
1.89E+05	0.000	0.000	0.06%	Ni-59
1.02E+04	0.000	0.001	0.26%	Co-60
2.05E+07	0.002	0.042	13.58%	Ni-63
4.89E+03	0.000	0.012	3.73%	Sr-90
5.58E+02	0.000	0.000	0.02%	Nb-94
2.53E+04	0.001	0.027	8.65%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
6.12E+05	0.005	0.131	41.85%	Cs-137
3.07E+04	0.000	0.000	0.00%	Pm-147
4.63E+04	0.000	0.002	0.54%	Eu-152
1.62E+03	0.000	0.000	0.02%	Eu-154
0.00E+00	0.000	0.000	0.00%	Eu-155
7.49E+01	0.001	0.027	8.52%	Np-237
2.22E+03	0.000	0.003	1.09%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
0.00E+00	0.000	0.000	0.00%	Am-241
2.20E+03	0.000	0.004	1.34%	Am-243
0.00E+00	0.000	0.000	0.00%	Cm-243/244
	0.012	0.312	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

### Building 542 foot HUT Cubicles

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
2.75E+05	0.000	0.012	0.01%	H-3
3.31E+05	0.006	0.155	0.07%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
4.51E+05	0.000	0.000	0.00%	Ni-59
1.65E+06	0.005	0.129	0.06%	Co-60
8.24E+07	0.007	0.170	0.08%	Ni-63
0.00E+00	0.000	0.000	0.00%	Sr-90
6.92E+04	0.000	0.007	0.00%	Nb-94

1.84E+05	0.008	0.196	0.09%	Tc-99
4.92E+04	0.000	0.006	0.00%	Ag-108m
3.73E+05	0.001	0.035	0.02%	Sb-125
1.11E+05	0.001	0.013	0.01%	Cs-134
9.91E+08	8.469	211.721	99.64%	Cs-137
3.70E+04	0.000	0.000	0.00%	Pm-147
0.00E+00	0.000	0.000	0.00%	Eu-152
2.57E+04	0.000	0.001	0.00%	Eu-154
-1.17E+05	0.000	0.000	0.00%	Eu-155
0.00E+00	0.000	0.000	0.00%	Np-237
0.00E+00	0.000	0.000	0.00%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
4.45E+05	0.001	0.015	0.01%	Pu-241
7.43E+02	0.000	0.001	0.00%	Am-241
1.15E+04	0.001	0.022	0.01%	Am-243
1.35E+03	0.000	0.000	0.00%	Cm-243/244
	8.499	212.485	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

## SFP/TRANSFER CANAL

### Pool /Transfer Canal Floor

RESULT <sup>(1)</sup> (pCi/m <sup>2</sup> )	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
0.00E+00	0.000	0.000	0.00%	H-3
6.42E+03	0.000	0.003	10.57%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
0.00E+00	0.000	0.000	0.00%	Ni-59
1.24E+03	0.000	0.000	0.34%	Co-60
2.38E+04	0.000	0.000	0.17%	Ni-63
0.00E+00	0.000	0.000	0.00%	Sr-90
0.00E+00	0.000	0.000	0.00%	Nb-94
1.72E+04	0.001	0.018	64.60%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m
0.00E+00	0.000	0.000	0.00%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
4.66E+03	0.000	0.001	3.49%	Cs-137
3.34E+03	0.000	0.000	0.00%	Pm-147
1.53E+03	0.000	0.000	0.20%	Eu-152
0.00E+00	0.000	0.000	0.00%	Eu-154
1.44E+03	0.000	0.000	0.01%	Eu-155
0.00E+00	0.000	0.000	0.00%	Np-237

1.21E+03	0.000	0.002	6.45%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
7.79E+04	0.000	0.003	9.04%	Pu-241
7.55E+02	0.000	0.001	4.95%	Am-241
0.00E+00	0.000	0.000	0.00%	Am-243
2.51E+02	0.000	0.000	0.17%	Cm-243/244
	0.001	0.028	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

## Pool /Transfer Canal Floor

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
9.07E+04	0.000	0.004	3.79%	H-3
3.19E+04	0.001	0.015	13.98%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
3.25E+03	0.000	0.000	0.00%	Ni-59
1.14E+05	0.000	0.009	8.34%	Co-60
3.88E+05	0.000	0.001	0.75%	Ni-63
1.44E+03	0.000	0.003	3.20%	Sr-90
0.00E+00	0.000	0.000	0.00%	Nb-94
2.50E+04	0.001	0.027	24.94%	Tc-99
1.50E+03	0.000	0.000	0.18%	Ag-108m
1.13E+03	0.000	0.000	0.10%	Sb-125
1.18E+02	0.000	0.000	0.01%	Cs-134
1.82E+05	0.002	0.039	36.37%	Cs-137
3.34E+04	0.000	0.000	0.01%	Pm-147
2.33E+04	0.000	0.001	0.80%	Eu-152
0.00E+00	0.000	0.000	0.00%	Eu-154
1.64E+04	0.000	0.000	0.03%	Eu-155
0.00E+00	0.000	0.000	0.00%	Np-237
0.00E+00	0.000	0.000	0.00%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
9.97E+04	0.000	0.003	3.08%	Pu-241
9.10E+02	0.000	0.002	1.59%	Am-241
1.54E+03	0.000	0.003	2.74%	Am-243
5.07E+02	0.000	0.000	0.09%	Cm-243/244
	0.004	0.107	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

## Pool /Transfer Canal Floor

RESULT <sup>(1)</sup>	DOSE FRACTION	DOSE	% of TOTAL	NUCLIDE
-----------------------	---------------	------	------------	---------

(pCi/m2)	DOSE FRACTION	(mrem.yr)	DOSE	NUCLIDE
0.00E+00	0.000	0.000	0.00%	H-3
0.00E+00	0.000	0.000	0.00%	C-14
3.07E+03	0.000	0.000	0.00%	Fe-55
-2.75E+03	0.000	0.000	0.00%	Ni-59
1.37E+05	0.000	0.011	6.22%	Co-60
2.78E+06	0.000	0.006	3.33%	Ni-63
4.48E+03	0.000	0.011	6.19%	Sr-90
9.55E-01	0.000	0.000	0.00%	Nb-94
3.01E+04	0.001	0.032	18.71%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m
4.09E+03	0.000	0.000	0.23%	Sb-125
0.00E+00	0.000	0.000	0.00%	Cs-134
2.46E+04	0.000	0.005	3.05%	Cs-137
3.55E+04	0.000	0.000	0.00%	Pm-147
0.00E+00	0.000	0.000	0.00%	Eu-152
4.24E+03	0.000	0.000	0.10%	Eu-154
3.22E+03	0.000	0.000	0.00%	Eu-155
2.77E+02	0.004	0.098	57.15%	Np-237
1.11E+03	0.000	0.002	0.99%	Pu-238
1.96E+03	0.000	0.004	2.15%	Pu-239/240
0.00E+00	0.000	0.000	0.00%	Pu-241
9.82E+02	0.000	0.002	1.06%	Am-241
6.09E+02	0.000	0.001	0.68%	Am-243
1.18E+03	0.000	0.000	0.13%	Cm-243/244
	0.007	0.172	mrem/yr	(1) assumes 1/2 inch

mrem/yr

mrem/yr

### Pool /Transfer Canal Floor

RESULT <sup>(1)</sup> (pCi/m2)	DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE	NUCLIDE
0.00E+00	0.000	0.000	0.00%	H-3
1.41E+04	0.000	0.007	1.45%	C-14
0.00E+00	0.000	0.000	0.00%	Fe-55
2.27E+03	0.000	0.000	0.00%	Ni-59
7.61E+05	0.002	0.059	13.08%	Co-60
4.45E+05	0.000	0.001	0.20%	Ni-63
0.00E+00	0.000	0.000	0.00%	Sr-90
3.43E+03	0.000	0.000	0.08%	Nb-94
2.40E+04	0.001	0.026	5.63%	Tc-99
0.00E+00	0.000	0.000	0.00%	Ag-108m

2.50E+03	0.000	0.000	0.05%	Sb-125
7.82E+02	0.000	0.000	0.02%	Cs-134
3.07E+05	0.003	0.066	14.45%	Cs-137
2.73E+04	0.000	0.000	0.00%	Pm-147
0.00E+00	0.000	0.000	0.00%	Eu-152
0.00E+00	0.000	0.000	0.00%	Eu-154
3.76E+03	0.000	0.000	0.00%	Eu-155
8.30E+02	0.012	0.295	64.84%	Np-237
0.00E+00	0.000	0.000	0.00%	Pu-238
0.00E+00	0.000	0.000	0.00%	Pu-239/240
1.14E+03	0.000	0.000	0.01%	Pu-241
0.00E+00	0.000	0.000	0.00%	Am-241
3.88E+02	0.000	0.001	0.16%	Am-243
2.42E+02	0.000	0.000	0.01%	Cm-243/244
	0.018	0.454	mrem/yr	(1) assumes 1/2 inch
mrem/yr				
mrem/yr				

SD 14-019 Table 27 for structures and Table 28 for soils. If the IC dose calculated is less than the IC

**B1-01110-CJFC-005-CV - Containment Under-V**

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
3.50E+01	1.58E+01	2.56E+01	Yes	1.04E+06
8.16E+00	2.43E+00	3.87E+00	Yes	2.44E+05
1.39E-01	1.19E+01	1.79E+01	No	4.15E+03
1.57E+02	9.68E+01	1.53E+02	Yes	4.69E+06
6.27E+02	4.24E+01	3.73E+01	Yes	1.87E+07
9.00E+03	3.98E+01	6.69E+00	Yes	2.69E+08
2.86E+01	1.51E+00	7.82E-01	Yes	8.54E+05
1.23E+01	1.53E+01	2.09E+01	No	3.67E+05
1.29E+00	7.49E-01	1.24E+00	Yes	3.85E+04
1.65E+01	2.81E+01	3.74E+01	No	4.92E+05
1.30E+02	1.79E+02	2.36E+02	No	3.88E+06
3.39E+01	3.05E+01	2.42E+01	Yes	1.01E+06
1.02E+05	1.68E+04	2.58E+02	Yes	3.04E+09
3.27E+01	1.51E+00	1.59E+00	Yes	9.76E+05
6.59E+01	1.84E+02	5.94E+01	Yes	1.97E+06
0.00E+00	1.92E+01	3.00E+01	No	0.00E+00
0.00E+00	6.88E+01	6.53E+01	No	0.00E+00
8.64E-03	5.42E-02	1.31E-01	No	2.58E+02
0.00E+00	5.87E-02	1.39E-01	No	0.00E+00
0.00E+00	5.86E-02	1.39E-01	No	0.00E+00
0.00E+00	7.35E+00	1.30E+01	No	0.00E+00
6.73E-02	7.33E-02	8.79E-02	No	2.01E+03
8.20E-03	3.42E-02	8.78E-02	No	2.45E+02
4.92E-02	6.39E-02	8.85E-02	No	1.47E+03
TOTAL		ROC Dose =	1760.120	1759.362
		IC Dose =	3.336	0.252

depth

(w/ Nuclide @ MDC) (positive dose)

**B1-02110-CJFC-005-CV - - Containment Under-V**

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
5.72E+01	1.44E+01	2.22E+01	Yes	1.71E+06
1.01E+01	2.55E+00	4.02E+00	Yes	3.01E+05
2.26E+00	6.03E+00	9.12E+00	No	6.74E+04
1.53E+00	3.43E+01	5.50E+01	No	4.57E+04
7.49E+01	5.47E+00	2.23E+00	Yes	2.24E+06
5.60E+02	7.38E+00	3.45E+00	Yes	1.67E+07

	9.38E+00	9.07E-01	8.03E-01	Yes	2.80E+05
	8.75E-01	1.23E+00	3.12E+00	No	2.61E+04
	1.59E+00	7.45E-01	1.22E+00	Yes	4.75E+04
	1.49E+00	2.50E+00	3.47E+00	No	4.45E+04
	3.89E+00	3.09E+01	3.83E+01	No	1.16E+05
	0.00E+00	4.38E+00	3.18E+00	No	0.00E+00
	1.04E+04	1.72E+03	2.28E+01	Yes	3.10E+08
	1.49E+01	1.26E+00	1.65E+00	Yes	4.45E+05
	8.14E+01	9.68E+00	6.67E+00	Yes	2.43E+06
	2.25E+00	3.17E+00	5.55E+00	No	6.72E+04
	1.09E+01	8.21E+00	1.36E+01	No	3.25E+05
	4.15E-02	5.35E-02	7.45E-02	No	1.24E+03
	3.59E-02	8.23E-02	1.60E-01	No	1.07E+03
	6.30E-02	8.03E-02	1.20E-01	No	1.88E+03
	0.00E+00	5.77E+00	1.00E+01	No	0.00E+00
	4.33E-02	7.09E-02	1.24E-01	No	1.29E+03
	3.40E-02	5.77E-02	9.79E-02	No	1.01E+03
	1.04E-01	8.30E-02	7.49E-02	Yes	3.10E+03
depth		(w/ Nuclide @ MDC)	(positive dose)		
	TOTAL	ROC Dose =	182.700		182.695
		IC Dose =	1.441		0.569

### B1-05100-CJFC-005-CV - Auxiliary Building 542 for

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
1.22E+01	1.38E+01	2.32E+01	No	3.64E+05
2.04E+00	2.42E+00	4.07E+00	No	6.09E+04
0.00E+00	3.57E+00	5.63E+00	No	0.00E+00
1.76E+00	2.46E+00	4.26E+00	No	5.25E+04
4.63E+00	5.22E-01	5.71E-01	Yes	1.38E+05
1.38E+02	7.46E+00	8.53E+00	Yes	4.12E+06
8.69E-01	4.59E-01	7.17E-01	Yes	2.59E+04
0.00E+00	2.49E-01	3.62E-01	No	0.00E+00
6.29E-01	4.47E-01	7.42E-01	No	1.88E+04
0.00E+00	2.83E-01	3.65E-01	No	0.00E+00
4.76E-02	7.79E-01	1.18E+00	No	1.42E+03
2.84E-02	9.77E-02	3.66E-01	No	8.48E+02
1.22E+01	2.27E+00	6.53E-01	Yes	3.64E+05
8.61E-01	9.55E-01	1.60E+00	No	2.57E+04
0.00E+00	9.71E-01	5.73E-01	No	0.00E+00
3.43E-01	4.24E-01	2.99E-01	Yes	1.02E+04

5.81E-02	2.08E-01	4.94E-01	No	1.73E+03
0.00E+00	1.62E-01	3.51E-01	No	0.00E+00
0.00E+00	4.71E-02	1.40E-01	No	0.00E+00
0.00E+00	4.93E-02	1.63E-01	No	0.00E+00
0.00E+00	5.13E+00	8.86E+00	No	0.00E+00
6.78E-02	7.39E-02	8.86E-02	No	2.02E+03
1.59E-01	1.29E-01	1.43E-01	Yes	4.75E+03
1.09E-01	9.14E-02	7.78E-02	Yes	3.25E+03

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	0.159	0.159
	IC Dose =	0.079	0.010

### B1-05105C-JFC- 006-CV - Auxiliary Building 542 foot I

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
2.23E+01	1.95E+01	3.26E+01	No	6.66E+05
1.57E-01	2.39E+00	4.08E+00	No	4.69E+03
1.18E+01	1.78E+01	2.72E+01	No	3.52E+05
8.73E+00	1.38E+01	2.11E+01	No	2.61E+05
1.20E+00	2.50E-01	3.36E-01	Yes	3.58E+04
8.15E+01	6.55E+00	8.52E+00	Yes	2.43E+06
4.72E-01	4.40E-01	7.30E-01	No	1.41E+04
0.00E+00	2.16E-01	2.66E-01	No	0.00E+00
2.86E-01	5.10E-01	8.62E-01	No	8.54E+03
0.00E+00	8.14E-02	3.04E-01	No	0.00E+00
0.00E+00	1.14E+00	1.48E+00	No	0.00E+00
2.62E-02	1.68E-01	3.74E-01	No	7.82E+02
4.52E+01	7.15E+00	5.49E-01	Yes	1.35E+06
9.12E-01	8.80E-01	1.47E+00	No	2.72E+04
0.00E+00	1.54E+00	6.93E-01	No	0.00E+00
8.13E-02	3.69E-01	3.72E-01	No	2.43E+03
2.65E-01	3.20E-01	5.23E-01	No	7.91E+03
0.00E+00	3.60E-02	7.56E-02	No	0.00E+00
0.00E+00	3.83E-02	1.21E-01	No	0.00E+00
8.27E-03	5.18E-02	1.25E-01	No	2.47E+02
2.41E+00	4.10E+00	6.92E+00	No	7.19E+04
2.07E-02	6.12E-02	1.33E-01	No	6.18E+02
4.18E-03	5.84E-02	1.67E-01	No	1.25E+02
2.45E-02	6.13E-02	1.28E-01	No	7.31E+02

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	0.330	0.296
	IC Dose =	0.046	0.000



**B1-05106-CJFC-004-CV Auxiliary Building 542 foot F**

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
2.35E+01	2.23E+01	3.72E+01	No	7.01E+05
1.60E+00	2.73E+00	4.61E+00	No	4.78E+04
0.00E+00	1.52E+01	2.32E+01	No	0.00E+00
9.28E+00	1.18E+01	1.83E+01	No	2.77E+05
2.67E+01	1.91E+00	6.81E-01	Yes	7.97E+05
7.58E+02	1.36E+01	8.19E+00	Yes	2.26E+07
5.42E-01	4.28E-01	6.98E-01	No	1.62E+04
1.71E-01	4.35E-01	5.29E-01	No	5.10E+03
1.18E+00	7.17E-01	1.19E+00	No	3.52E+04
-1.95E-01	4.34E-01	6.14E-01	No	-5.82E+03
0.00E+00	4.96E+00	6.02E+00	No	0.00E+00
0.00E+00	8.37E-01	8.08E-01	No	0.00E+00
1.00E+03	1.56E+02	1.77E+00	Yes	2.98E+07
3.22E+00	9.28E-01	1.47E+00	Yes	9.61E+04
2.71E-01	5.06E+00	2.22E+00	No	8.09E+03
4.35E-01	6.28E-01	1.13E+00	No	1.30E+04
2.41E-01	1.04E+00	1.55E+00	No	7.19E+03
0.00E+00	3.25E-02	1.14E-01	No	0.00E+00
1.21E-02	5.05E-02	1.30E-01	No	3.61E+02
1.21E-02	5.04E-02	1.29E-01	No	3.61E+02
1.50E+00	5.70E+00	9.70E+00	No	4.48E+04
3.25E-02	5.75E-02	1.04E-01	No	9.70E+02
1.67E-01	1.33E-01	1.20E-01	Yes	4.98E+03
0.00E+00	3.10E-02	9.74E-02	No	0.00E+00

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	6.525	6.486
	IC Dose =	0.106	0.010

**B1-05107-CJWC-008-CV - Auxiliary Building 542 foot H**

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
0.00E+00	1.68E+01	2.94E+01	No	0.00E+00
2.87E+01	1.18E+01	1.91E+01	Yes	8.57E+05
0.00E+00	1.92E+01	2.87E+01	No	0.00E+00
0.00E+00	1.53E+01	2.28E+01	No	0.00E+00
3.37E+00	5.54E-01	7.27E-01	Yes	1.01E+05
3.14E+02	9.33E+00	7.99E+00	Yes	9.37E+06
2.57E+00	1.71E+00	2.74E+00	No	7.67E+04
-6.22E-02	4.61E-01	6.88E-01	No	-1.86E+03

4.02E+00	2.53E+00	4.19E+00	No	1.20E+05
-1.85E-01	7.57E-01	1.11E+00	No	-5.52E+03
0.00E+00	2.49E+01	3.13E+01	No	0.00E+00
2.72E+00	4.04E+00	8.36E-01	Yes	8.12E+04
1.56E+04	1.55E+03	1.99E+01	Yes	4.66E+08
2.93E+01	4.06E+00	5.91E+00	Yes	8.74E+05
5.87E+00	2.59E+01	4.27E+00	Yes	1.75E+05
8.03E-01	8.40E-01	1.74E+00	No	2.40E+04
2.23E+00	4.31E+00	6.78E+00	No	6.66E+04
0.00E+00	1.87E-01	5.90E-01	No	0.00E+00
-9.63E-02	1.74E-01	5.33E-01	No	-2.87E+03
3.23E-01	3.56E-01	4.84E-01	No	9.64E+03
0.00E+00	1.94E+01	3.39E+01	No	0.00E+00
5.94E-02	1.82E-01	4.30E-01	No	1.77E+03
2.62E-01	4.01E-01	5.97E-01	No	7.82E+03
9.06E-02	2.51E-01	5.43E-01	No	2.70E+03
depth	(w/ Nuclide @ MDC)		(positive dose)	
	TOTAL	ROC Dose =	99.702	99.520
		IC Dose =	0.569	0.408

AL

### B1-03202A-CJFC-005C-V - Spent Fuel Pool /Transfer C

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
3.03E+00	4.43E+00	7.49E+00	No	9.04E+04
6.88E-01	1.18E+00	2.00E+00	No	2.05E+04
1.94E-01	5.48E-01	8.76E-01	No	5.79E+03
1.25E-02	4.03E-01	6.30E-01	No	3.73E+02
4.56E-01	1.84E-01	4.21E-01	Yes	1.36E+04
7.11E-01	1.01E+00	1.71E+00	No	2.12E+04
0.00E+00	2.62E-01	5.64E-01	No	0.00E+00
0.00E+00	2.55E-01	3.73E-01	No	0.00E+00
1.05E+00	6.58E-01	1.09E+00	No	3.13E+04
0.00E+00	2.56E-01	3.88E-01	No	0.00E+00
3.92E-01	7.77E-01	1.21E+00	No	1.17E+04
0.00E+00	1.68E-01	4.00E-01	No	0.00E+00
1.69E-01	2.69E-01	4.32E-01	No	5.04E+03
1.12E-01	7.84E-01	1.34E+00	No	3.34E+03
2.90E+00	1.38E+00	9.18E-01	Yes	8.66E+04
2.27E-01	3.98E-01	4.68E-01	No	6.77E+03
1.09E+00	4.35E-01	6.82E-01	Yes	3.25E+04
6.46E-03	4.18E-02	1.14E-01	No	1.93E+02

0.00E+00	5.47E-02	1.85E-01	No	0.00E+00
0.00E+00	5.26E-02	1.69E-01	No	0.00E+00
0.00E+00	6.44E+00	1.11E+01	No	0.00E+00
2.13E-02	3.62E-02	6.13E-02	No	6.36E+02
5.20E-02	5.60E-02	7.51E-02	No	1.55E+03
2.13E-02	3.62E-02	6.13E-02	No	6.36E+02

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	0.002	0.002
	IC Dose =	0.125	0.013

### B1-03202A-CJFC-007-CV - Spent Fuel Pool /Transfer C

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
6.05E+00	4.25E+00	7.04E+00	No	1.81E+05
2.09E-01	1.60E+00	2.73E+00	No	6.24E+03
4.31E-03	1.22E-01	1.88E-01	No	1.29E+02
0.00E+00	8.86E-02	1.37E-01	No	0.00E+00
1.52E+00	1.28E-01	1.19E-01	Yes	4.54E+04
9.79E+00	1.12E+00	1.57E+00	Yes	2.92E+05
2.85E-01	1.88E-01	3.70E-01	No	8.51E+03
0.00E+00	5.91E-02	8.15E-02	No	0.00E+00
7.68E-01	6.15E-01	1.02E+00	No	2.29E+04
0.00E+00	6.06E-02	6.06E-02	No	0.00E+00
0.00E+00	1.27E-01	1.94E-01	No	0.00E+00
6.39E-04	2.68E-02	6.17E-02	No	1.91E+01
1.71E+00	2.08E-01	1.15E-01	Yes	5.10E+04
1.20E+00	7.28E-01	1.20E+00	No	3.58E+04
9.44E-02	1.19E-01	1.66E-01	No	2.82E+03
0.00E+00	1.12E-01	8.29E-02	No	0.00E+00
3.97E-02	4.70E-02	1.32E-01	No	1.18E+03
1.36E-02	3.25E-02	6.82E-02	No	4.06E+02
1.23E-01	1.32E-01	1.82E-01	No	3.67E+03
1.70E-02	7.78E-02	1.82E-01	No	5.07E+02
0.00E+00	7.34E+00	1.26E+01	No	0.00E+00
2.26E-02	3.47E-02	5.16E-02	No	6.74E+02
3.17E-02	4.10E-02	5.70E-02	No	9.46E+02
0.00E+00	3.43E-02	7.42E-02	No	0.00E+00

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	0.035	0.015
	IC Dose =	0.189	0.000

### B1-03202A-CJFC-009-CV- Spent Fuel Pool /Transfer C

RESULT	UNCERTAINTY	MDC	POSITIVE	RESULT <sup>(1)</sup>
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(pCi/g)	(pCi/g)	(pCi/g)	INDICATION	(pCi/m2)
0.00E+00	4.22E+00	7.40E+00	No	0.00E+00
0.00E+00	1.30E+00	2.25E+00	No	0.00E+00
1.55E-01	2.99E-01	4.66E-01	No	4.63E+03
0.00E+00	2.29E-01	2.96E-01	No	0.00E+00
2.15E-04	1.55E-01	2.16E-01	No	6.42E+00
3.53E-01	1.00E+00	1.70E+00	No	1.05E+04
2.05E-01	2.66E-01	5.46E-01	No	6.12E+03
0.00E+00	1.40E-01	2.15E-01	No	0.00E+00
6.56E-01	6.45E-01	1.08E+00	No	1.96E+04
8.37E-02	1.47E-01	2.43E-01	No	2.50E+03
2.14E-01	4.84E-01	7.50E-01	No	6.39E+03
1.23E-02	4.36E-02	2.55E-01	No	3.67E+02
1.02E-01	1.84E-01	2.86E-01	No	3.04E+03
5.38E-01	7.65E-01	1.29E+00	No	1.61E+04
2.52E-01	4.51E-01	5.80E-01	No	7.52E+03
0.00E+00	3.46E-01	2.94E-01	No	0.00E+00
0.00E+00	3.46E-01	2.94E-01	No	0.00E+00
0.00E+00	3.59E-02	9.21E-02	No	0.00E+00
2.17E-02	9.92E-02	2.32E-01	No	6.48E+02
3.32E-02	9.80E-02	2.13E-01	No	9.91E+02
4.24E+00	9.24E+00	1.56E+01	No	1.27E+05
1.93E-02	3.28E-02	5.55E-02	No	5.76E+02
2.09E-02	3.54E-02	6.02E-02	No	6.24E+02
1.93E-02	3.28E-02	5.56E-02	No	5.76E+02

depth

(w/ Nuclide @ MDC) (positive dose)

TOTAL ROC Dose = 0.015 0.000  
IC Dose = 0.032 0.000

### B1-03202A-CJFC-011-CV - Spent Fuel Pool /Transfer C

RESULT (pCi/g)	UNCERTAINTY (pCi/g)	MDC (pCi/g)	POSITIVE INDICATION	RESULT <sup>(1)</sup> (pCi/m2)
1.44E+00	4.17E+00	7.11E+00	No	4.30E+04
6.84E-01	1.32E+00	2.23E+00	No	2.04E+04
0.00E+00	4.25E-01	6.43E-01	No	0.00E+00
0.00E+00	3.16E-01	4.63E-01	No	0.00E+00
9.79E-01	2.32E-01	4.18E-01	Yes	2.92E+04
3.14E+00	1.12E+00	1.80E+00	Yes	9.37E+04
3.66E-01	2.47E-01	4.87E-01	No	1.09E+04
0.00E+00	2.04E-01	2.97E-01	No	0.00E+00
8.56E-01	6.55E-01	1.09E+00	No	2.55E+04
1.27E-01	2.21E-01	3.29E-01	No	3.79E+03

1.21E-01	6.58E-01	1.00E+00	No	3.61E+03
0.00E+00	1.55E-01	4.02E-01	No	0.00E+00
4.30E-01	2.65E-01	4.16E-01	Yes	1.28E+04
1.57E+00	7.92E-01	1.30E+00	Yes	4.69E+04
2.63E+00	1.21E+00	7.43E-01	Yes	7.85E+04
1.62E-01	3.02E-01	3.75E-01	No	4.83E+03
6.39E-01	2.83E-01	5.64E-01	Yes	1.91E+04
2.24E-03	5.15E-02	1.31E-01	No	6.69E+01
1.66E-02	7.58E-02	1.77E-01	No	4.95E+02
0.00E+00	5.70E-02	1.84E-01	No	0.00E+00
0.00E+00	7.06E+00	1.23E+01	No	0.00E+00
0.00E+00	2.13E-02	6.51E-02	No	0.00E+00
1.98E-02	4.95E-02	1.03E-01	No	5.91E+02
3.17E-03	2.06E-02	5.58E-02	No	9.46E+01
depth	(w/ Nuclide @ MDC)		(positive dose)	
	TOTAL	ROC Dose =	0.031	0.005
		IC Dose =	0.068	0.003

2 dose assigned for DCGL adjustment (1.25 mrem/yr for all basement structures other than the Containm

## essel

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.004	0.099	0.01%
0.010	0.241	0.01%
0.000	0.000	0.00%
0.000	0.010	0.00%
0.108	2.689	0.15%
0.060	1.506	0.09%
0.537	13.421	0.76%
0.001	0.037	0.00%
0.003	0.087	0.00%
0.003	0.079	0.00%
0.107	2.679	0.15%
0.030	0.757	0.04%
69.661	1741.527	98.76%
0.000	0.002	0.00%
0.005	0.121	0.01%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.008	0.192	0.01%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.008	0.00%
0.000	0.001	0.00%
0.000	0.001	0.00%
70.538	1763.456	mrem/yr

mrem/yr

mrem/yr

## Vessel

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.006	0.162	0.09%
0.012	0.298	0.16%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.013	0.321	0.17%
0.004	0.094	0.05%

0.176	4.402	2.39%
0.000	0.003	0.00%
0.004	0.107	0.06%
0.000	0.007	0.00%
0.003	0.080	0.04%
0.000	0.000	0.00%
7.103	177.568	96.43%
0.000	0.001	0.00%
0.006	0.149	0.08%
0.000	0.005	0.00%
0.000	0.002	0.00%
0.037	0.922	0.50%
0.000	0.004	0.00%
0.000	0.007	0.00%
0.000	0.000	0.00%
0.000	0.005	0.00%
0.000	0.004	0.00%
0.000	0.002	0.00%
7.366	184.141	mrem/yr

mrem/yr

mrem/yr

## 1st Floor

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.001	0.016	6.86%
0.001	0.029	12.00%
0.000	0.000	0.00%
0.000	0.000	0.02%
0.000	0.011	4.54%
0.000	0.009	3.58%
0.002	0.062	25.95%
0.000	0.000	0.00%
0.001	0.020	8.43%
0.000	0.000	0.00%
0.000	0.000	0.06%
0.000	0.000	0.04%
0.003	0.078	32.70%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.18%

0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.004	1.59%
0.000	0.009	3.81%
0.000	0.001	0.27%
0.010	0.238	mrem/yr

mrem/yr

mrem/yr

# HPT Unit 1

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.001	0.030	7.94%
0.000	0.002	0.59%
0.000	0.000	0.00%
0.000	0.000	0.07%
0.000	0.003	0.74%
0.000	0.005	1.34%
0.001	0.034	8.93%
0.000	0.000	0.00%
0.000	0.009	2.43%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.02%
0.012	0.288	76.75%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.03%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.12%
0.000	0.002	0.63%
0.000	0.001	0.31%
0.000	0.000	0.06%
0.000	0.000	0.04%
0.015	0.376	mrem/yr

mrem/yr

mrem/yr



## IPT Unit 2

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.001	0.031	0.47%
0.001	0.022	0.34%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.002	0.062	0.94%
0.002	0.047	0.70%
0.002	0.039	0.58%
0.000	0.001	0.01%
0.002	0.038	0.57%
0.000	-0.001	-0.01%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.255	6.377	96.17%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	0.01%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	0.01%
0.000	0.001	0.01%
0.000	0.001	0.02%
0.000	0.002	0.03%
0.000	0.010	0.14%
0.000	0.000	0.00%
0.265	6.631	mrem/yr

mrem/yr

mrem/yr

## UT Cubicles

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.000	0.000	0.00%
0.016	0.402	0.40%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.008	0.01%
0.001	0.019	0.02%
0.007	0.183	0.18%
0.000	0.000	0.00%

0.005	0.128	0.13%
0.000	-0.001	0.00%
0.000	0.000	0.00%
0.000	0.009	0.01%
3.979	99.483	99.21%
0.000	0.000	0.00%
0.000	0.006	0.01%
0.000	0.001	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	-0.004	0.00%
0.001	0.018	0.02%
0.000	0.000	0.00%
0.000	0.003	0.00%
0.001	0.015	0.01%
0.000	0.001	0.00%
4.011	100.272	mrem/yr
mrem/yr		
mrem/yr		

Canal Floor

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.000	0.004	3.20%
0.000	0.010	7.60%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	0.84%
0.000	0.000	0.03%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.001	0.033	26.42%
0.000	0.000	0.00%
0.000	0.001	0.88%
0.000	0.000	0.00%
0.000	0.001	0.85%
0.000	0.000	0.00%
0.000	0.003	2.51%
0.000	0.000	0.22%
0.000	0.000	0.05%
0.003	0.068	54.03%

0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	0.94%
0.000	0.003	2.34%
0.000	0.000	0.10%
0.005	0.127	mrem/yr

mrem/yr

mrem/yr

Canal Floor

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.000	0.008	3.60%
0.000	0.003	1.30%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.004	1.58%
0.000	0.001	0.27%
0.001	0.020	9.01%
0.000	0.000	0.00%
0.001	0.024	10.90%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.011	4.85%
0.000	0.000	0.00%
0.000	0.000	0.05%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.006	0.144	64.15%
0.000	0.006	2.49%
0.000	0.001	0.43%
0.000	0.000	0.00%
0.000	0.001	0.56%
0.000	0.002	0.80%
0.000	0.000	0.00%
0.009	0.225	mrem/yr

mrem/yr

mrem/yr

Canal Floor

DOSE FRACTION	DOSE	% of TOTAL
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DOSE FRACTION	(mrem.yr)	DOSE
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.05%
0.001	0.015	31.10%
0.000	0.000	0.00%
0.001	0.021	44.66%
0.000	0.000	0.69%
0.000	0.001	1.30%
0.000	0.000	0.09%
0.000	0.001	1.39%
0.000	0.000	0.01%
0.000	0.000	0.59%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	2.11%
0.000	0.002	4.01%
0.000	0.004	8.94%
0.000	0.001	2.29%
0.000	0.001	2.54%
0.000	0.000	0.24%
0.002	0.047	mrem/yr

mrem/yr

mrem/yr

### Canal Floor

DOSE FRACTION	DOSE (mrem.yr)	% of TOTAL DOSE
0.000	0.002	1.93%
0.000	0.010	9.61%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.002	2.29%
0.000	0.000	0.19%
0.001	0.026	26.11%
0.000	0.000	0.00%
0.001	0.027	27.40%
0.000	0.000	0.49%

0.000	0.000	0.34%
0.000	0.000	0.00%
0.000	0.003	2.75%
0.000	0.000	0.01%
0.000	0.003	2.89%
0.000	0.000	0.20%
0.000	0.000	0.04%
0.001	0.024	23.83%
0.000	0.001	0.76%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.000	0.00%
0.000	0.001	1.13%
0.000	0.000	0.02%
0.004	0.100	mrem/yr

mrem/yr

mrem/yr

ents and 2.5 mrem/yr for the Containments and soils), then no

**B1-06202A-FSWC-040**

	Result	Uncertainty	MDC		>MDC	Result (pCi/m2)
H-3	3.70E+00	2.42E+00	3.98E+00	pCi/g	NO	1.10E+05
C-14	0.00E+00	3.70E-01	6.39E-01	pCi/g	NO	0.00E+00
Mn-54	0.00E+00	2.94E-01	3.94E-01	pCi/g	NO	0.00E+00
Fe-55	0.00E+00	1.41E-01	2.23E-01	pCi/g	NO	0.00E+00
Ni-59	1.46E-02	7.26E-02	1.15E-01	pCi/g	NO	4.36E+02
Co-60	1.48E-02	5.69E-02	1.08E-01	pCi/g	NO	4.43E+02
Ni-63	1.45E+00	1.32E+00	2.20E+00	pCi/g	NO	4.33E+04
Sr-90	9.38E-03	3.70E-02	7.85E-02	pCi/g	NO	2.80E+02
Nb-94	0.00E+00	5.79E-02	7.05E-02	pCi/g	NO	0.00E+00
Tc-99	1.79E+00	7.12E-01	1.16E+00	pCi/g	NO	5.33E+04
Ag-108m	9.84E-03	3.48E-02	6.21E-02	pCi/g	NO	2.94E+02
Sb-125	1.54E-01	1.81E-01	3.19E-01	pCi/g	NO	4.59E+03
Cs-134	4.12E-02	6.30E-02	1.57E-01	pCi/g	NO	1.23E+03
Cs-137	1.37E-01	8.16E-02	1.23E-01	pCi/g	YES	4.07E+03
Eu-152	0.00E+00	2.79E-01	2.32E-01	pCi/g	NO	0.00E+00
Eu-154	0.00E+00	1.08E-01	1.23E-01	pCi/g	NO	0.00E+00
Eu-155	1.47E-01	1.48E-01	2.41E-01	pCi/g	NO	4.40E+03
Np-237	4.76E-02	5.74E-02	7.02E-02	pCi/g	NO	1.42E+03
Pu-238	5.50E-02	7.41E-02	1.16E-01	pCi/g	NO	1.64E+03
Pu-239/240	3.60E-02	6.36E-02	1.15E-01	pCi/g	NO	1.08E+03
Pu-241	1.51E+00	5.85E+00	9.95E+00	pCi/g	NO	4.50E+04
Am-241	6.44E-02	8.10E-02	1.29E-01	pCi/g	NO	1.92E+03
Am-243	2.85E-02	6.17E-02	1.22E-01	pCi/g	NO	8.51E+02
Cm-243/244	2.12E-02	4.60E-02	9.08E-02	pCi/g	NO	6.34E+02
(1) Using TSD 19 DCGLs (w/ Nuclide @ MDC) (positive dose)						
		TOTAL	ROC Dose =	0.103	0.000	
			IC Dose =	0.528	0.000	

**B2-08101A-BJFC-007-CV (**

	Result	Uncertainty	MDC		>MDC	Result (pCi/m2)
H-3	6.35E+00	5.68E+00	9.48E+00	pCi/g	NO	1.90E+05
C-14	0.00E+00	4.03E-01	6.91E-01	pCi/g	NO	0.00E+00
Mn-54	0.00E+00	1.23E+02	1.52E+02	pCi/g	NO	0.00E+00
Fe-55	0.00E+00	2.08E+00	3.04E+00	pCi/g	NO	0.00E+00
Ni-59	7.38E-02	1.97E-01	3.17E-01	pCi/g	NO	2.20E+03
Co-60	1.19E-01	4.80E-01	7.55E-01	pCi/g	NO	3.56E+03
Ni-63	7.46E-01	1.42E+00	2.41E+00	pCi/g	NO	2.23E+04
Sr-90	0.00E+00	3.25E-02	6.96E-02	pCi/g	NO	0.00E+00

<b>Nb-94</b>	1.51E-01	1.20E-01	2.46E-01	pCi/g	NO	4.50E+03
<b>Tc-99</b>	1.29E+00	7.36E-01	1.21E+00	pCi/g	NO	3.86E+04
<b>Ag-108m</b>	0.00E+00	1.41E-01	2.06E-01	pCi/g	NO	0.00E+00
<b>Sb-125</b>	1.05E+00	2.55E+00	4.60E+00	pCi/g	NO	3.13E+04
<b>Cs-134</b>	0.00E+00	1.27E+00	3.23E+00	pCi/g	NO	0.00E+00
<b>Cs-137</b>	0.00E+00	2.28E-01	3.10E-01	pCi/g	NO	0.00E+00
<b>Eu-152</b>	0.00E+00	8.27E-01	9.63E-01	pCi/g	NO	0.00E+00
<b>Eu-154</b>	0.00E+00	8.76E-01	6.04E-01	pCi/g	NO	0.00E+00
<b>Eu-155</b>	1.69E+00	1.08E+00	1.65E+00	pCi/g	YES	5.03E+04
<b>Np-237</b>	4.84E-02	6.93E-02	1.14E-01	pCi/g	NO	1.45E+03
<b>Pu-238</b>	0.00E+00	4.37E-02	1.25E-01	pCi/g	NO	0.00E+00
<b>Pu-239/240</b>	0.00E+00	3.89E-02	8.16E-02	pCi/g	NO	0.00E+00
<b>Pu-241</b>	2.44E+00	7.59E+00	1.29E+01	pCi/g	NO	7.29E+04
<b>Am-241</b>	2.06E-02	5.15E-02	1.07E-01	pCi/g	NO	6.15E+02
<b>Am-243</b>	5.82E-02	7.03E-02	8.58E-02	pCi/g	NO	1.74E+03
<b>Cm-243/244</b>	8.35E-02	7.99E-02	8.57E-02	pCi/g	NO	2.49E+03
(1) Using TSD 19 DCGLs				(w/ Nuclide @ MDC) (positive dose)		
TOTAL				ROC Dose =	0.053	0.000
				IC Dose =	0.543	0.000

L2-10214C-RJGS-001-SM-A						
	Result	Uncertainty	MDC		>MDC	DOSE FRACTION (1)
<b>H-3</b>	2.74E+00	2.28E+00	3.79E+00	pCi/g	NO	0.001
<b>C-14</b>	0.00E+00	3.76E-01	6.50E-01	pCi/g	NO	0.000
<b>Mn-54</b>	7.01E-03	3.94E-02	5.91E-02	pCi/g	NO	0.000
<b>Fe-55</b>	5.91E-02	6.71E-02	1.15E-01	pCi/g	NO	0.000
<b>Ni-59</b>	0.00E+00	4.68E-02	7.12E-02	pCi/g	NO	0.000
<b>Co-60</b>	2.65E-01	3.39E-02	4.51E-02	pCi/g	YES	0.000
<b>Ni-63</b>	0.00E+00	1.30E+00	2.24E+00	pCi/g	NO	0.000
<b>Sr-90</b>	0.00E+00	3.41E-02	7.39E-02	pCi/g	NO	0.000
<b>Nb-94</b>	2.40E-02	1.67E-02	2.53E-02	pCi/g	NO	0.000
<b>Tc-99</b>	1.46E+00	6.40E-01	1.04E+00	pCi/g	NO	0.197
<b>Ag-108m</b>	2.26E-02	1.67E-02	3.00E-02	pCi/g	NO	0.001
<b>Sb-125</b>	3.80E-02	7.98E-02	1.18E-01	pCi/g	NO	0.005
<b>Cs-134</b>	0.00E+00	4.61E-02	3.57E-02	pCi/g	NO	0.000
<b>Cs-137</b>	2.18E+00	2.50E-01	5.19E-02	pCi/g	YES	0.000
<b>Eu-152</b>	1.33E-02	6.46E-02	7.87E-02	pCi/g	NO	0.001
<b>Eu-154</b>	4.61E-02	5.72E-02	4.12E-02	pCi/g	YES	0.005
<b>Eu-155</b>	0.00E+00	4.60E-02	6.57E-02	pCi/g	NO	0.000
<b>Np-237</b>	7.03E-02	6.64E-02	8.17E-02	pCi/g	NO	0.088
<b>Pu-238</b>	3.03E-02	8.41E-02	1.82E-01	pCi/g	NO	0.000
<b>Pu-239/240</b>	0.00E+00	5.98E-02	1.26E-01	pCi/g	NO	0.000

<b>Pu-241</b>	0.00E+00	8.03E+00	1.38E+01	pCi/g	NO	0.000
<b>Am-241</b>	3.36E-02	5.17E-02	8.85E-02	pCi/g	NO	0.000
<b>Am-243</b>	1.41E-02	3.38E-02	7.10E-02	pCi/g	NO	0.000
<b>Cm-243/244</b>	1.53E-02	4.19E-02	8.65E-02	pCi/g	NO	0.000
(1) Using TSD 19 DCGLs				(w/ Nuclide @ MDC) (positive dose)		
TOTAL			ROC Dose =	0.002	0.002	
			IC Dose =	7.456	0.116	



**D-CV**

DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL
0.000	0.005	0.783%		
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.005%		
0.000	0.000	0.000%	0.000	0.054%
0.004	0.103	16.314%	0.000	0.036%
0.000	0.000	0.005%	0.004	3.560%
0.000	0.000	0.000%		
0.000	0.007	1.088%		
0.000	0.000	0.004%		
0.000	0.001	0.082%		
0.000	0.000	0.042%	0.001	0.070%
0.000	0.000	0.000%	0.002	0.042%
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.001%		
0.020	0.504	79.876%		
0.000	0.003	0.397%		
0.000	0.002	0.323%		
0.000	0.001	0.236%		
0.000	0.004	0.568%		
0.000	0.002	0.257%		
0.000	0.000	0.020%		
	0.631	mrem/yr	0.008	
mrem/yr				
mrem/yr				

	Result
H-3	3.86E+00
C-14	0.00E+00
Mn-54	4.62E-01
Fe-55	6.56E-02
Ni-59	0.00E+00
Co-60	0.00E+00
Ni-63	2.70E-01
Sr-90	4.13E-02
Nb-94	2.32E-02
Tc-99	1.49E+00
Ag-108m	3.17E-02
Sb-125	4.16E-01
Cs-134	0.00E+00
Cs-137	2.89E-03
Eu-152	0.00E+00
Eu-154	0.00E+00
Eu-155	2.44E-01
Np-237	2.94E-02
Pu-238	0.00E+00
Pu-239/240	0.00E+00
Pu-241	9.59E-01
Am-241	0.00E+00
Am-243	4.43E-02
Cm-243/244	3.47E-02
(1) Using TSD 19 DCGLs	

**0.5-1.0 in)**

DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL
0.000	0.008	1.426%		
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.029%		
0.000	0.000	0.001%	0.001	0.377%
0.002	0.053	8.899%	0.000	0.039%
0.000	0.000	0.000%	0.000	3.156%

	Result
H-3	4.02E+00
C-14	0.00E+00
Mn-54	0.00E+00
Fe-55	0.00E+00
Ni-59	1.08E-01
Co-60	0.00E+00
Ni-63	0.00E+00
Sr-90	0.00E+00

0.000	0.005	0.807%		
0.000	0.005	0.836%		
0.000	0.000	0.000%		
0.000	0.004	0.592%		
0.000	0.000	0.000%	0.000	1.450%
0.000	0.000	0.000%	0.000	0.105%
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.000	0.018%		
0.021	0.513	86.157%		
0.000	0.000	0.000%		
0.000	0.000	0.000%		
0.000	0.002	0.405%		
0.000	0.001	0.193%		
0.000	0.003	0.556%		
0.000	0.000	0.082%		
	0.596	mrem/yr	0.001	
mrem/yr				
mrem/yr				

<b>Nb-94</b>	2.62E-01
<b>Tc-99</b>	9.57E-01
<b>Ag-108m</b>	0.00E+00
<b>Sb-125</b>	0.00E+00
<b>Cs-134</b>	0.00E+00
<b>Cs-137</b>	8.97E-02
<b>Eu-152</b>	0.00E+00
<b>Eu-154</b>	0.00E+00
<b>Eu-155</b>	4.58E-01
<b>Np-237</b>	4.18E-02
<b>Pu-238</b>	0.00E+00
<b>Pu-239/240</b>	1.72E-02
<b>Pu-241</b>	7.81E+00
<b>Am-241</b>	0.00E+00
<b>Am-243</b>	1.14E-01
<b>Cm-243/244</b>	4.05E-02
(1) Using TSD 19 DCGLs	

DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Soil DCGL <sub>SB</sub>	MDC % of DCGL
0.015	0.200%		
0.000	0.000%		
0.000	0.000%		
0.000	0.002%		
0.000	0.000%		
0.002	0.022%	0.301	5.118%
0.000	0.000%	0.000	1.144%
0.000	0.000%	0.000	17.389%
0.005	0.063%		
4.928	66.084%		
0.017	0.226%		
0.126	1.693%		
0.000	0.000%	0.000	3.140%
0.000	0.006%	1.098	2.613%
0.031	0.415%		
0.116	1.551%		
0.000	0.000%		
2.195	29.428%		
0.005	0.063%		
0.000	0.000%		

Result	
<b>H-3</b>	8.51E+00
<b>C-14</b>	0.00E+00
<b>Mn-54</b>	1.33E-01
<b>Fe-55</b>	0.00E+00
<b>Ni-59</b>	1.80E-01
<b>Co-60</b>	9.43E-02
<b>Ni-63</b>	7.13E-01
<b>Sr-90</b>	0.00E+00
<b>Nb-94</b>	2.92E-02
<b>Tc-99</b>	1.73E+00
<b>Ag-108m</b>	2.57E-03
<b>Sb-125</b>	0.00E+00
<b>Cs-134</b>	4.83E-02
<b>Cs-137</b>	1.47E-01
<b>Eu-152</b>	0.00E+00
<b>Eu-154</b>	0.00E+00
<b>Eu-155</b>	1.01E+00
<b>Np-237</b>	4.14E-02
<b>Pu-238</b>	1.84E-02
<b>Pu-239/240</b>	1.88E-02

0.000	0.000%	
0.006	0.084%	
0.007	0.095%	
0.005	0.067%	
7.458	mrem/yr	1.398
mrem/yr		
mrem/yr		

<b>Pu-241</b>	0.00E+00
<b>Am-241</b>	6.61E-02
<b>Am-243</b>	0.00E+00
<b>Cm-243/244</b>	2.31E-02
(1) Using TSD 19 DCGLs	

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**B1-06214A-FSFC-001-CV**

Uncertainty	MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)
2.40E+00	3.94E+00	pCi/g	NO	1.15E+05	0.000	0.005
3.49E-01	6.09E-01	pCi/g	NO	0.00E+00	0.000	0.000
4.28E-01	8.84E-01	pCi/g	NO	1.38E+04	0.000	0.000
1.89E-01	3.14E-01	pCi/g	NO	1.96E+03	0.000	0.000
9.97E-02	1.53E-01	pCi/g	NO	0.00E+00	0.000	0.000
1.85E-01	2.88E-01	pCi/g	NO	0.00E+00	0.000	0.000
1.37E+00	2.33E+00	pCi/g	NO	8.06E+03	0.001	0.019
2.90E-02	5.70E-02	pCi/g	NO	1.23E+03	0.000	0.000
1.21E-01	1.79E-01	pCi/g	NO	6.93E+02	0.000	0.001
6.88E-01	1.13E+00	pCi/g	NO	4.45E+04	0.000	0.006
1.22E-01	1.39E-01	pCi/g	NO	9.45E+02	0.000	0.000
4.52E-01	7.29E-01	pCi/g	NO	1.24E+04	0.000	0.001
9.97E-02	3.59E-01	pCi/g	NO	0.00E+00	0.000	0.000
1.48E-01	2.07E-01	pCi/g	NO	8.64E+01	0.000	0.000
5.24E-01	3.08E-01	pCi/g	NO	0.00E+00	0.000	0.000
4.60E-01	1.72E-01	pCi/g	NO	0.00E+00	0.000	0.000
2.07E-01	3.25E-01	pCi/g	NO	7.28E+03	0.000	0.000
4.98E-02	8.80E-02	pCi/g	NO	8.76E+02	0.012	0.311
3.23E-02	6.77E-02	pCi/g	NO	0.00E+00	0.000	0.000
4.43E-02	9.58E-02	pCi/g	NO	0.00E+00	0.000	0.000
3.72E+00	6.33E+00	pCi/g	NO	2.86E+04	0.000	0.001
4.60E-02	1.37E-01	pCi/g	NO	0.00E+00	0.000	0.000
5.81E-02	8.86E-02	pCi/g	NO	1.32E+03	0.000	0.003
6.62E-02	1.22E-01	pCi/g	NO	1.04E+03	0.000	0.000
(w/ Nuclide @ MDC) (positive dose)						0.347
TOTAL	ROC Dose =		0.019	0.000	mrem/yr	
	IC Dose =		0.328	0.000	mrem/yr	

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**B2-08201A-CJWC-018-CV (0.0-0.5 in)**

Uncertainty	MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)
3.34E+00	5.56E+00	pCi/g	NO	1.20E+05	0.000	0.005
3.91E-01	6.81E-01	pCi/g	NO	0.00E+00	0.000	0.000
2.03E+02	3.28E+02	pCi/g	NO	0.00E+00	0.000	0.000
3.22E+00	5.12E+00	pCi/g	NO	0.00E+00	0.000	0.000
3.31E-01	5.28E-01	pCi/g	NO	3.21E+03	0.000	0.000
1.52E+00	1.60E+00	pCi/g	NO	0.00E+00	0.000	0.000
1.41E+00	2.44E+00	pCi/g	NO	0.00E+00	0.000	0.000
2.69E-02	6.12E-02	pCi/g	NO	0.00E+00	0.000	0.000

3.39E-01	5.03E-01	pCi/g	NO	7.82E+03	0.000	0.008
5.63E-01	9.30E-01	pCi/g	NO	2.86E+04	0.000	0.004
3.91E-01	4.55E-01	pCi/g	NO	0.00E+00	0.000	0.000
6.44E+00	9.17E+00	pCi/g	NO	0.00E+00	0.000	0.000
6.77E+00	7.60E+00	pCi/g	NO	0.00E+00	0.000	0.000
4.50E-01	6.93E-01	pCi/g	NO	2.68E+03	0.000	0.000
2.31E+00	1.19E+00	pCi/g	NO	0.00E+00	0.000	0.000
1.86E+00	8.00E-01	pCi/g	NO	0.00E+00	0.000	0.000
1.26E+00	1.94E+00	pCi/g	NO	1.37E+04	0.000	0.000
5.04E-02	6.17E-02	pCi/g	NO	1.25E+03	0.018	0.443
5.91E-02	1.75E-01	pCi/g	NO	0.00E+00	0.000	0.000
5.27E-02	1.25E-01	pCi/g	NO	5.15E+02	0.000	0.001
9.44E+00	1.59E+01	pCi/g	NO	2.33E+05	0.000	0.008
4.50E-02	1.27E-01	pCi/g	NO	0.00E+00	0.000	0.000
1.16E-01	1.56E-01	pCi/g	NO	3.40E+03	0.000	0.006
6.63E-02	1.16E-01	pCi/g	NO	1.21E+03	0.000	0.000

(w/ Nuclide @ MDC) (positive dose) 0.476

TOTAL ROC Dose = 0.000 0.000 mrem/yr  
IC Dose = 0.476 0.000 mrem/yr

### L1-12109L-CJGS-001-SB-A

Uncertainty	MDC		>MDC	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE
2.36E+00	3.67E+00	pCi/g	YES	0.002	0.046	0.481%
3.91E-01	6.77E-01	pCi/g	NO	0.000	0.000	0.000%
1.23E-01	1.76E-01	pCi/g	NO	0.000	0.000	0.001%
3.86E-01	6.15E-01	pCi/g	NO	0.000	0.000	0.000%
2.62E-01	4.32E-01	pCi/g	NO	0.038	0.950	9.845%
7.75E-02	1.18E-01	pCi/g	NO	0.000	0.001	0.006%
1.36E+00	2.30E+00	pCi/g	NO	0.053	1.330	13.784%
3.76E-02	8.28E-02	pCi/g	NO	0.000	0.000	0.000%
6.45E-02	9.12E-02	pCi/g	NO	0.000	0.006	0.059%
7.60E-01	1.24E+00	pCi/g	NO	0.234	5.856	60.693%
4.71E-02	7.80E-02	pCi/g	NO	0.000	0.002	0.020%
1.95E-01	2.67E-01	pCi/g	NO	0.000	0.000	0.000%
5.80E-02	1.47E-01	pCi/g	NO	0.003	0.076	0.793%
8.15E-02	1.31E-01	pCi/g	YES	0.000	0.000	0.000%
1.31E-01	2.52E-01	pCi/g	NO	0.000	0.000	0.000%
2.01E-01	1.31E-01	pCi/g	NO	0.000	0.000	0.000%
1.84E-01	2.67E-01	pCi/g	YES	0.003	0.065	0.670%
4.99E-02	6.10E-02	pCi/g	NO	0.052	1.291	13.378%
6.63E-02	1.50E-01	pCi/g	NO	0.000	0.003	0.030%
4.51E-02	9.45E-02	pCi/g	NO	0.000	0.003	0.033%

5.65E+00	9.68E+00	pCi/g	NO	0.000	0.000	0.000%
6.77E-02	9.05E-02	pCi/g	NO	0.000	0.012	0.128%
3.49E-02	9.95E-02	pCi/g	NO	0.000	0.000	0.000%
4.97E-02	9.66E-02	pCi/g	NO	0.000	0.008	0.079%
		(w/ Nuclide @ MDC) (positive dose)			9.648	mrem/yr
TOTAL		ROC Dose =	1.407	0.000	mrem/yr	
		IC Dose =	8.241	0.111	mrem/yr	

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% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL		Result	Uncertainty	MDC
1.488%			H-3	4.97E+00	3.43E+00	5.67E+00
0.000%			C-14	0.00E+00	3.63E-01	6.28E-01
0.000%			Mn-54	0.00E+00	1.31E+02	1.78E+02
0.001%			Fe-55	7.56E-01	2.76E+00	4.46E+00
0.000%			Ni-59	1.10E-02	2.98E-01	4.67E-01
0.000%	0.000	0.144%	Co-60	0.00E+00	5.59E-01	7.34E-01
5.530%	0.000	0.038%	Ni-63	4.56E-01	1.39E+00	2.36E+00
0.036%	0.019	2.586%	Sr-90	2.48E-02	3.32E-02	6.82E-02
0.213%			Nb-94	1.74E-02	1.98E-01	2.70E-01
1.650%			Tc-99	2.07E+00	6.99E-01	1.13E+00
0.026%			Ag-108m	0.00E+00	2.77E-01	2.37E-01
0.403%			Sb-125	0.00E+00	3.40E+00	4.75E+00
0.000%	0.000	0.794%	Cs-134	4.82E-01	1.88E+00	3.99E+00
0.000%	0.000	0.345%	Cs-137	1.15E-01	2.37E-01	3.78E-01
0.000%			Eu-152	2.89E-01	8.81E-01	9.93E-01
0.000%			Eu-154	4.41E-01	9.70E-01	6.53E-01
0.004%			Eu-155	6.54E-02	1.28E+00	1.85E+00
89.591%			Np-237	7.53E-02	7.65E-02	1.03E-01
0.000%			Pu-238	0.00E+00	4.81E-02	1.14E-01
0.000%			Pu-239/240	0.00E+00	6.21E-02	1.34E-01
0.273%			Pu-241	0.00E+00	7.51E+00	1.29E+01
0.000%			Am-241	4.23E-02	5.13E-02	6.24E-02
0.727%			Am-243	2.02E-01	3.46E-01	6.07E-01
0.058%			Cm-243/244	1.24E-02	2.98E-02	6.24E-02
mrem/yr	0.019		(1) Using TSD 19 DCGLs			
				TOTAL		ROC ] IC ]

% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL		Result	Uncertainty	MDC
1.128%			H-3	6.41E+00	3.46E+00	5.64E+00
0.000%			C-14	0.00E+00	3.69E-01	6.41E-01
0.000%			Mn-54	0.00E+00	1.56E+02	1.90E+02
0.000%			Fe-55	1.34E+00	2.55E+00	4.30E+00
0.053%			Ni-59	3.79E-02	2.76E-01	4.38E-01
0.000%	0.000	0.797%	Co-60	6.65E-02	1.81E-01	8.74E-01
0.000%	0.000	0.039%	Ni-63	5.54E-01	1.41E+00	2.38E+00
0.000%	0.000	2.776%	Sr-90	3.48E-03	2.83E-02	6.04E-02

1.755%			<b>Nb-94</b>	0.00E+00	2.12E-01	2.82E-01
0.773%			<b>Tc-99</b>	1.71E+00	6.65E-01	1.08E+00
0.000%			<b>Ag-108m</b>	1.31E-01	1.19E-01	2.29E-01
0.000%			<b>Sb-125</b>	0.00E+00	3.21E+00	4.56E+00
0.000%	0.000	16.800%	<b>Cs-134</b>	0.00E+00	1.33E+00	4.46E+00
0.000%	0.000	1.155%	<b>Cs-137</b>	2.52E-01	2.28E-01	4.02E-01
0.000%			<b>Eu-152</b>	8.30E-02	6.27E-01	1.02E+00
0.000%			<b>Eu-154</b>	4.39E-01	8.07E-01	6.61E-01
0.006%			<b>Eu-155</b>	0.00E+00	1.16E+00	1.69E+00
93.052%			<b>Np-237</b>	4.72E-02	7.22E-02	1.23E-01
0.000%			<b>Pu-238</b>	0.00E+00	6.72E-02	1.83E-01
0.205%			<b>Pu-239/240</b>	4.02E-02	8.70E-02	1.72E-01
1.619%			<b>Pu-241</b>	0.00E+00	1.01E+01	1.76E+01
0.000%			<b>Am-241</b>	1.73E-02	5.61E-02	1.16E-01
1.361%			<b>Am-243</b>	6.77E-02	7.96E-02	1.17E-01
0.050%			<b>Cm-243/244</b>	6.71E-02	7.25E-02	1.05E-01
mrem/yr	0.000		(1) Using TSD 19 DCGLs			
					<b>TOTAL</b>	<b>ROC</b>
						<b>IC</b>

OpSOF Soil DCGL <sub>SB</sub>	MDC % of DCGL
0.107	13.352%
0.004	1.178%
0.000	19.488%
0.043	12.917%
0.074	6.601%

	Result	Uncertainty	MDC
<b>H-3</b>	1.50E+00	2.16E+00	3.64E+00
<b>C-14</b>	0.00E+00	3.68E-01	6.33E-01
<b>Mn-54</b>	3.61E-02	7.05E-02	1.09E-01
<b>Fe-55</b>	1.85E-01	2.37E-01	4.04E-01
<b>Ni-59</b>	0.00E+00	1.78E-01	2.52E-01
<b>Co-60</b>	2.89E-02	5.38E-02	7.28E-02
<b>Ni-63</b>	0.00E+00	1.24E+00	2.16E+00
<b>Sr-90</b>	2.42E-02	3.09E-02	6.34E-02
<b>Nb-94</b>	0.00E+00	4.05E-02	5.95E-02
<b>Tc-99</b>	1.17E+00	5.13E-01	8.38E-01
<b>Ag-108m</b>	4.17E-03	2.76E-02	4.45E-02
<b>Sb-125</b>	3.25E-02	1.02E-01	1.69E-01
<b>Cs-134</b>	1.56E-02	3.25E-02	7.48E-02
<b>Cs-137</b>	1.92E-01	6.43E-02	9.63E-02
<b>Eu-152</b>	1.34E-01	1.31E-01	1.51E-01
<b>Eu-154</b>	1.57E-02	1.25E-01	7.86E-02
<b>Eu-155</b>	6.02E-02	6.89E-02	1.15E-01
<b>Np-237</b>	1.52E-02	5.68E-02	1.23E-01
<b>Pu-238</b>	0.00E+00	3.38E-02	1.06E-01
<b>Pu-239/240</b>	1.02E-02	3.11E-02	7.38E-02



0.228

<b>Pu-241</b>			
<b>Am-241</b>	4.47E-02	6.86E-02	1.02E-01
<b>Am-243</b>	0.00E+00	4.75E-02	1.46E-01
<b>Cm-243/244</b>	4.59E-02	7.04E-02	1.05E-01
TOTAL			(w/ Nuclide @ ROC Dose = IC Dose =

**B2-08101A-BJFC-007-CV (0.0-0.5 in)**

	>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs
pCi/g	NO	1.48E+05	0.000	0.007	0.769%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	2.26E+04	0.000	0.000	0.003%	
pCi/g	NO	3.28E+02	0.000	0.000	0.003%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	0.000
pCi/g	NO	1.36E+04	0.001	0.032	3.752%	0.000
pCi/g	NO	7.42E+02	0.000	0.000	0.009%	0.011
pCi/g	NO	5.21E+02	0.000	0.001	0.064%	
pCi/g	NO	6.17E+04	0.000	0.008	0.920%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	1.44E+04	0.000	0.003	0.355%	0.011
pCi/g	NO	3.45E+03	0.000	0.000	0.000%	0.002
pCi/g	NO	8.63E+03	0.000	0.000	0.037%	
pCi/g	NO	1.32E+04	0.000	0.001	0.062%	
pCi/g	NO	1.95E+03	0.000	0.000	0.000%	
pCi/g	NO	2.25E+03	0.032	0.798	92.411%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	1.26E+03	0.000	0.002	0.273%	
pCi/g	NO	6.04E+03	0.000	0.012	1.334%	
pCi/g	NO	3.70E+02	0.000	0.000	0.008%	
(w/ Nuclide @ MDC) (positive dose)				0.864		0.024
Dose =	0.036	0.000	mrem/yr			
Dose =	0.828	0.000	mrem/yr			

**B2-08201A-CJWC-018-CV (0.5-1.0 in)**

	>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs
pCi/g	YES	1.91E+05	0.000	0.009	1.519%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	3.99E+04	0.000	0.000	0.007%	
pCi/g	NO	1.13E+03	0.000	0.000	0.016%	
pCi/g	NO	1.99E+03	0.000	0.000	0.001%	0.000
pCi/g	NO	1.65E+04	0.002	0.039	6.978%	0.000
pCi/g	NO	1.04E+02	0.000	0.000	0.002%	0.002

pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	5.09E+04	0.000	0.007	1.164%	
pCi/g	NO	3.90E+03	0.000	0.000	0.066%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	0.000
pCi/g	NO	7.52E+03	0.000	0.000	0.000%	0.004
pCi/g	NO	2.48E+03	0.000	0.000	0.016%	
pCi/g	NO	1.31E+04	0.000	0.001	0.095%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	1.41E+03	0.020	0.501	88.810%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	1.20E+03	0.000	0.002	0.403%	
pCi/g	NO	0.00E+00	0.000	0.000	0.000%	
pCi/g	NO	5.17E+02	0.000	0.001	0.171%	
pCi/g	NO	2.02E+03	0.000	0.004	0.683%	
pCi/g	NO	2.00E+03	0.000	0.000	0.069%	
(w/ Nuclide @ MDC) (positive dose)				0.564		0.006
Dose =	0.039	0.000	mrem/yr			
Dose =	0.524	0.009	mrem/yr			

#### L1-12106L-CJGS-001-SB-A

	>MDC	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Soil DCGL <sub>SB</sub>	MDC % of DCGL
pCi/g	NO	0.000	0.008	0.163%		
pCi/g	NO	0.000	0.000	0.000%		
pCi/g	NO	0.000	0.000	0.001%		
pCi/g	NO	0.000	0.000	0.008%		
pCi/g	NO	0.000	0.000	0.000%		
pCi/g	NO	0.000	0.000	0.004%	0.033	8.263%
pCi/g	NO	0.000	0.000	0.000%	0.000	1.106%
pCi/g	NO	0.003	0.080	1.597%	0.057	14.923%
pCi/g	NO	0.000	0.000	0.000%		
pCi/g	NO	0.158	3.952	78.519%		
pCi/g	NO	0.000	0.003	0.062%		
pCi/g	NO	0.004	0.108	2.147%		
pCi/g	NO	0.001	0.025	0.489%	0.014	6.579%
pCi/g	YES	0.000	0.000	0.001%	0.097	4.855%
pCi/g	NO	0.013	0.313	6.224%		
pCi/g	NO	0.002	0.039	0.782%		
pCi/g	NO	0.000	0.004	0.077%		
pCi/g	NO	0.019	0.474	9.427%		
pCi/g	NO	0.000	0.000	0.000%		
pCi/g	NO	0.000	0.002	0.035%		

pCi/g	NO	0.000	0.000	0.000%	
pCi/g	NO	0.000	0.008	0.166%	
pCi/g	NO	0.000	0.000	0.000%	
pCi/g	NO	0.001	0.015	0.300%	
MDC) (positive dose)			5.033	mrem/yr	0.200
	0.105	0.000	mrem/yr		
	4.928	0.000	mrem/yr		

B2-06207-CJF0						
MDC % of DCGL		Result	Uncertainty	MDC		>MDC
0.366%	H-3	6.39E-01	3.92E+00	6.72E+00	pCi/g	NO
	C-14	0.00E+00	4.13E-01	7.22E-01	pCi/g	NO
	Mn-54	3.80E+01	1.02E+02	1.72E+02	pCi/g	NO
	Fe-55	7.11E-01	3.08E+00	5.01E+00	pCi/g	NO
	Ni-59	0.00E+00	4.24E-01	6.23E-01	pCi/g	NO
	Co-60	0.00E+00	7.05E-01	9.76E-01	pCi/g	NO
	Ni-63	1.54E+00	1.43E+00	2.39E+00	pCi/g	NO
	Sr-90	0.00E+00	3.68E-02	7.86E-02	pCi/g	NO
	Nb-94	5.18E-02	2.39E-01	3.67E-01	pCi/g	NO
	Tc-99	1.16E+00	5.36E-01	8.77E-01	pCi/g	NO
0.038%	Ag-108m	0.00E+00	2.69E-01	3.97E-01	pCi/g	NO
	Sb-125	0.00E+00	9.90E+00	1.32E+01	pCi/g	NO
	Cs-134	0.00E+00	4.83E+00	3.41E+00	pCi/g	NO
	Cs-137	5.83E+01	6.77E+00	1.24E+00	pCi/g	YES
	Eu-152	0.00E+00	2.55E+00	1.74E+00	pCi/g	NO
	Eu-154	1.27E-01	1.33E+00	1.10E+00	pCi/g	NO
	Eu-155	0.00E+00	1.84E+00	2.67E+00	pCi/g	NO
	Np-237	1.03E-01	1.05E-01	1.41E-01	pCi/g	NO
	Pu-238	2.66E-02	4.51E-02	7.66E-02	pCi/g	NO
	Pu-239/240	5.79E-02	5.96E-02	6.31E-02	pCi/g	NO
3.094%	Pu-241	0.00E+00	5.63E+00	9.75E+00	pCi/g	NO
	Am-241	6.81E-02	6.49E-02	7.91E-02	pCi/g	NO
	Am-243	2.13E-02	4.60E-02	9.10E-02	pCi/g	NO
	Cm-243/244	2.17E-02	4.66E-02	9.06E-02	pCi/g	NO
	(1) Using TSD 19 DCGLs					
	(w/ Nuclide @ MDC)					
			TOTAL	ROC Dose =	0.110	
				IC Dose =	1.111	

B2-06104-CJF0						
MDC % of DCGL		Result	Uncertainty	MDC		>MDC
0.436%	H-3	0.00E+00	3.28E+00	5.67E+00	pCi/g	NO
	C-14	0.00E+00	4.08E-01	7.05E-01	pCi/g	NO
	Mn-54	5.11E+01	8.18E+01	1.53E+02	pCi/g	NO
	Fe-55	4.51E-01	2.61E+00	4.30E+00	pCi/g	NO
	Ni-59	0.00E+00	3.42E-01	4.90E-01	pCi/g	NO
	Co-60	0.00E+00	5.73E-01	9.02E-01	pCi/g	NO
	Ni-63	0.00E+00	1.40E+00	2.41E+00	pCi/g	NO
	Sr-90	0.00E+00	3.30E-02	7.23E-02	pCi/g	NO
0.038%						
2.740%						

9.870%  
0.671%

<b>Nb-94</b>	9.10E-02	2.14E-01	3.66E-01	pCi/g	NO
<b>Tc-99</b>	1.47E+00	6.19E-01	1.01E+00	pCi/g	NO
<b>Ag-108m</b>	0.00E+00	2.61E-01	3.16E-01	pCi/g	NO
<b>Sb-125</b>	0.00E+00	2.64E+00	4.52E+00	pCi/g	NO
<b>Cs-134</b>	9.50E-01	1.82E+00	4.45E+00	pCi/g	NO
<b>Cs-137</b>	1.28E-01	3.13E-01	5.26E-01	pCi/g	NO
<b>Eu-152</b>	4.69E-01	1.37E+00	1.24E+00	pCi/g	NO
<b>Eu-154</b>	3.73E-01	9.24E-01	8.31E-01	pCi/g	NO
<b>Eu-155</b>	1.31E+00	1.42E+00	2.26E+00	pCi/g	NO
<b>Np-237</b>	9.11E-02	8.97E-02	1.06E-01	pCi/g	NO
<b>Pu-238</b>	0.00E+00	4.31E-02	1.17E-01	pCi/g	NO
<b>Pu-239/240</b>	0.00E+00	4.11E-02	1.17E-01	pCi/g	NO
<b>Pu-241</b>	3.70E+00	8.25E+00	1.40E+01	pCi/g	NO
<b>Am-241</b>	2.65E-02	4.07E-02	6.05E-02	pCi/g	NO
<b>Am-243</b>	6.78E-02	7.72E-02	1.02E-01	pCi/g	NO
<b>Cm-243/244</b>	1.20E-02	2.89E-02	6.05E-02	pCi/g	NO
(1) Using TSD 19 DCGLs				(w/ Nuclide @ MDC)	
TOTAL				ROC Dose =	0.006
				IC Dose =	0.984

**B1-062024**

	Result	Uncertainty	MDC		>MDC
<b>H-3</b>	0.00E+00	2.52E+00	4.34E+00	pCi/g	NO
<b>C-14</b>	-1.15E-01	4.24E-01	7.24E-01	pCi/g	NO
<b>Mn-54</b>	2.73E-01	5.50E-01	9.36E-01	pCi/g	NO
<b>Fe-55</b>	-5.33E-02	2.08E-01	3.25E-01	pCi/g	NO
<b>Ni-59</b>	-1.13E-02	1.03E-01	1.57E-01	pCi/g	NO
<b>Co-60</b>	5.93E-02	1.53E-01	2.67E-01	pCi/g	NO
<b>Ni-63</b>	3.42E-01	1.33E+00	2.26E+00	pCi/g	NO
<b>Sr-90</b>	1.06E-02	2.95E-02	6.18E-02	pCi/g	NO
<b>Nb-94</b>	8.61E-02	1.22E-01	1.92E-01	pCi/g	NO
<b>Tc-99</b>	1.09E+00	5.33E-01	8.74E-01	pCi/g	NO
<b>Ag-108m</b>	-8.39E-02	1.30E-01	1.67E-01	pCi/g	NO
<b>Sb-125</b>	-3.62E-01	6.00E-01	7.41E-01	pCi/g	NO
<b>Cs-134</b>	7.97E-03	1.37E-01	3.37E-01	pCi/g	NO
<b>Cs-137</b>	-9.96E-03	1.12E-01	2.03E-01	pCi/g	NO
<b>Eu-152</b>	8.42E-02	4.94E-01	3.42E-01	pCi/g	NO
<b>Eu-154</b>	-6.05E-01	5.69E-01	1.79E-01	pCi/g	NO
<b>Eu-155</b>	2.73E-01	2.20E-01	3.54E-01	pCi/g	NO
<b>Np-237</b>	3.08E-02	4.71E-02	7.03E-02	pCi/g	NO
<b>Pu-238</b>	-9.66E-03	5.73E-02	1.36E-01	pCi/g	NO
<b>Pu-239/240</b>	0.00E+00	7.76E-02	1.68E-01	pCi/g	NO

<b>Pu-241</b>	-5.09E+00	7.05E+00	1.22E+01	pCi/g	NO
<b>Am-241</b>	0.00E+00	7.20E-02	1.56E-01	pCi/g	NO
<b>Am-243</b>	6.94E-02	6.60E-02	7.13E-02	pCi/g	NO
<b>Cm-243/244</b>	8.75E-02	1.12E-01	1.66E-01	pCi/g	NO
(1) Using TSD 19 DCGLs				(w/ Nuclide @ MDC)	
TOTAL			ROC Dose =	0.024	
			IC Dose =	0.329	

**C-002-CV (0.0-0.5 in)**

Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL
1.91E+04	0.000	0.001	0.070%		
0.00E+00	0.000	0.000	0.000%		
1.14E+06	0.000	0.000	0.001%		
2.12E+04	0.000	0.000	0.002%		
0.00E+00	0.000	0.000	0.000%		
0.00E+00	0.000	0.000	0.000%	0.000	0.487%
4.59E+04	0.004	0.109	8.954%	0.000	0.039%
0.00E+00	0.000	0.000	0.000%	0.000	3.567%
1.55E+03	0.000	0.002	0.135%		
3.45E+04	0.000	0.004	0.364%		
0.00E+00	0.000	0.000	0.000%		
0.00E+00	0.000	0.000	0.000%		
0.00E+00	0.000	0.000	0.000%	0.000	7.531%
1.74E+06	0.000	0.000	0.031%	0.971	2.061%
0.00E+00	0.000	0.000	0.000%		
3.80E+03	0.000	0.000	0.013%		
0.00E+00	0.000	0.000	0.000%		
3.08E+03	0.044	1.094	89.643%		
7.94E+02	0.000	0.001	0.099%		
1.73E+03	0.000	0.003	0.268%		
0.00E+00	0.000	0.000	0.000%		
2.03E+03	0.000	0.004	0.310%		
6.36E+02	0.000	0.001	0.099%		
6.47E+02	0.000	0.000	0.010%		
(positive dose)		1.221		0.971	
0.000	mrem/yr				
0.000	mrem/yr				

**H-3**  
**C-14**  
**Mn-54**  
**Fe-55**  
**Ni-59**  
**Co-60**  
**Ni-63**  
**Sr-90**  
**Nb-94**  
**Tc-99**  
**Ag-108m**  
**Sb-125**  
**Cs-134**  
**Cs-137**  
**Eu-152**  
**Eu-154**  
**Eu-155**  
**Np-237**  
**Pu-238**  
**Pu-239/240**  
**Pu-241**  
**Am-241**  
**Am-243**  
**Cm-243/244**  
 (1) Using TSD 19 DC

**C-003-CV (1.0-1.5 in)**

Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL
0.00E+00	0.000	0.000	0.000%		
0.00E+00	0.000	0.000	0.000%		
1.53E+06	0.000	0.000	0.001%		
1.35E+04	0.000	0.000	0.001%		
0.00E+00	0.000	0.000	0.000%		
0.00E+00	0.000	0.000	0.000%	0.000	0.450%
0.00E+00	0.000	0.000	0.000%	0.000	0.039%
0.00E+00	0.000	0.000	0.000%	0.000	3.277%

**H-3**  
**C-14**  
**Mn-54**  
**Fe-55**  
**Ni-59**  
**Co-60**  
**Ni-63**  
**Sr-90**



2.72E+03	0.000	0.003	0.293%			<b>Nb-94</b>
4.40E+04	0.000	0.006	0.573%			<b>Tc-99</b>
0.00E+00	0.000	0.000	0.000%			<b>Ag-108m</b>
0.00E+00	0.000	0.000	0.000%			<b>Sb-125</b>
2.83E+04	0.000	0.006	0.612%	0.021	9.840%	<b>Cs-134</b>
3.83E+03	0.000	0.000	0.000%	0.002	0.878%	<b>Cs-137</b>
1.40E+04	0.000	0.001	0.052%			<b>Eu-152</b>
1.11E+04	0.000	0.000	0.046%			<b>Eu-154</b>
3.90E+04	0.000	0.000	0.008%			<b>Eu-155</b>
2.72E+03	0.039	0.965	97.498%			<b>Np-237</b>
0.00E+00	0.000	0.000	0.000%			<b>Pu-238</b>
0.00E+00	0.000	0.000	0.000%			<b>Pu-239/240</b>
1.10E+05	0.000	0.004	0.369%			<b>Pu-241</b>
7.92E+02	0.000	0.001	0.149%			<b>Am-241</b>
2.02E+03	0.000	0.004	0.390%			<b>Am-243</b>
3.59E+02	0.000	0.000	0.007%			<b>Cm-243/244</b>
(positive dose)		0.990		0.023		(1) Using TSD 19 DC
0.000	mrem/yr					
0.000	mrem/yr					

#### A-FSWC-033CV

Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL	
0.00E+00	0.000	0.000	0.000%			<b>H-3</b>
-3.43E+03	0.000	-0.002	-0.455%			<b>C-14</b>
8.14E+03	0.000	0.000	0.000%			<b>Mn-54</b>
-1.59E+03	0.000	0.000	0.000%			<b>Fe-55</b>
-3.36E+02	0.000	0.000	-0.007%			<b>Ni-59</b>
1.77E+03	0.000	0.000	0.001%	0.000	0.133%	<b>Co-60</b>
1.02E+04	0.001	0.024	6.881%	0.000	0.037%	<b>Ni-63</b>
3.18E+02	0.000	0.000	0.009%	0.005	2.805%	<b>Sr-90</b>
2.57E+03	0.000	0.003	0.777%			<b>Nb-94</b>
3.24E+04	0.000	0.004	1.183%			<b>Tc-99</b>
-2.50E+03	0.000	0.000	-0.067%			<b>Ag-108m</b>
-1.08E+04	0.000	-0.001	-0.344%			<b>Sb-125</b>
2.38E+02	0.000	0.000	0.014%	0.000	0.745%	<b>Cs-134</b>
-2.97E+02	0.000	0.000	0.000%	0.000	0.339%	<b>Cs-137</b>
2.51E+03	0.000	0.000	0.026%			<b>Eu-152</b>
-1.80E+04	0.000	-0.001	-0.208%			<b>Eu-154</b>
8.15E+03	0.000	0.000	0.005%			<b>Eu-155</b>
9.20E+02	0.013	0.327	92.468%			<b>Np-237</b>
-2.88E+02	0.000	0.000	-0.124%			<b>Pu-238</b>
0.00E+00	0.000	0.000	0.000%			<b>Pu-239/240</b>

-1.52E+05	0.000	-0.005	-1.421%			<b>Pu-241</b>
0.00E+00	0.000	0.000	0.000%			<b>Am-241</b>
2.07E+03	0.000	0.004	1.119%			<b>Am-243</b>
2.61E+03	0.000	0.001	0.144%			<b>Cm-243/244</b>
(positive dose)		0.353		0.005		(1) Using TSD 19 DC
0.000	mrem/yr					
0.000	mrem/yr					

**B2-06207-CJFC-002-CV (0.5-1.0 in)**

Result	Uncertainty	MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)
1.68E+01	2.85E+00	4.20E+00	pCi/g	YES	5.01E+05	0.001
0.00E+00	4.16E-01	7.21E-01	pCi/g	NO	0.00E+00	0.000
1.52E+02	1.13E+02	2.32E+02	pCi/g	NO	4.54E+06	0.000
1.33E+00	2.03E+00	3.50E+00	pCi/g	NO	3.98E+04	0.000
0.00E+00	2.70E-01	4.00E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	8.71E-01	1.31E+00	pCi/g	NO	0.00E+00	0.000
6.54E-01	1.46E+00	2.47E+00	pCi/g	NO	1.95E+04	0.002
3.03E-02	3.19E-02	6.49E-02	pCi/g	NO	9.03E+02	0.000
4.25E-02	2.08E-01	3.98E-01	pCi/g	NO	1.27E+03	0.000
1.44E+00	7.71E-01	1.27E+00	pCi/g	NO	4.29E+04	0.000
2.47E-02	2.95E-01	3.75E-01	pCi/g	NO	7.38E+02	0.000
0.00E+00	5.00E+00	6.99E+00	pCi/g	NO	0.00E+00	0.000
9.41E-01	2.21E+00	5.09E+00	pCi/g	NO	2.81E+04	0.000
3.26E-01	2.79E-01	4.32E-01	pCi/g	NO	9.73E+03	0.000
5.78E-01	1.65E+00	1.07E+00	pCi/g	NO	1.72E+04	0.000
0.00E+00	1.78E+00	7.08E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	1.09E+00	1.53E+00	pCi/g	NO	0.00E+00	0.000
8.56E-03	3.57E-02	9.16E-02	pCi/g	NO	2.55E+02	0.004
0.00E+00	3.70E-02	1.16E-01	pCi/g	NO	0.00E+00	0.000
3.72E-02	5.55E-02	9.04E-02	pCi/g	NO	1.11E+03	0.000
7.07E-01	5.49E+00	9.35E+00	pCi/g	NO	2.11E+04	0.000
0.00E+00	3.40E-02	1.04E-01	pCi/g	NO	0.00E+00	0.000
5.26E-02	6.88E-02	1.05E-01	pCi/g	NO	1.57E+03	0.000
2.09E-02	4.52E-02	8.93E-02	pCi/g	NO	6.24E+02	0.000
GLs (w/ Nuclide @ MDC) (positive dose)						
	TOTAL	ROC Dose =		0.053	0.000	mrem/yr
		IC Dose =		0.127	0.022	mrem/yr

**B1-06201A-FSFC-009-CV**

Result	Uncertainty	MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)
1.17E+01	4.75E+00	7.66E+00	pCi/g	YES	3.48E+05	0.001
0.00E+00	4.10E-01	7.09E-01	pCi/g	NO	0.00E+00	0.000
2.51E-01	4.82E-01	8.79E-01	pCi/g	NO	7.48E+03	0.000
6.12E-02	1.81E-01	3.01E-01	pCi/g	NO	1.83E+03	0.000
0.00E+00	1.01E-01	1.47E-01	pCi/g	NO	0.00E+00	0.000
7.93E-02	1.70E-01	2.40E-01	pCi/g	NO	2.37E+03	0.000
0.00E+00	1.34E+00	2.34E+00	pCi/g	NO	0.00E+00	0.000
3.52E-02	3.18E-02	6.39E-02	pCi/g	NO	1.05E+03	0.000

0.00E+00	1.18E-01	1.64E-01	pCi/g	NO	0.00E+00	0.000
1.25E+00	4.99E-01	8.11E-01	pCi/g	NO	3.72E+04	0.000
6.34E-03	8.47E-02	1.16E-01	pCi/g	NO	1.89E+02	0.000
0.00E+00	4.45E-01	5.66E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	3.24E-01	3.20E-01	pCi/g	NO	0.00E+00	0.000
1.33E-01	1.02E-01	1.94E-01	pCi/g	NO	3.97E+03	0.000
1.47E-01	4.22E-01	3.13E-01	pCi/g	NO	4.39E+03	0.000
0.00E+00	4.61E-01	1.68E-01	pCi/g	NO	0.00E+00	0.000
1.08E-01	7.09E-02	2.55E-01	pCi/g	NO	3.22E+03	0.000
8.04E-02	7.59E-02	9.34E-02	pCi/g	NO	2.40E+03	0.034
0.00E+00	6.16E-02	1.33E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	6.07E-02	1.31E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	6.57E+00	1.13E+01	pCi/g	NO	0.00E+00	0.000
5.87E-02	6.39E-02	7.67E-02	pCi/g	NO	1.75E+03	0.000
4.50E-02	5.44E-02	6.63E-02	pCi/g	NO	1.34E+03	0.000
5.16E-02	6.78E-02	1.03E-01	pCi/g	NO	1.54E+03	0.000

GLs

(w/ Nuclide @ MDC) (positive dose)

TOTAL

ROC Dose =

0.000

0.000

mrem/yr

IC Dose =

0.878

0.016

mrem/yr

**B1-06202A-FSFC-028-CV**

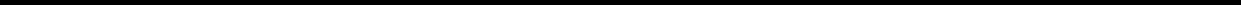
Result	Uncertainty	MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)
0.00E+00	2.47E+00	4.31E+00	pCi/g	NO	0.00E+00	0.000
0.00E+00	3.98E-01	6.90E-01	pCi/g	NO	0.00E+00	0.000
3.82E-01	3.05E-01	6.46E-01	pCi/g	NO	1.14E+04	0.000
1.29E-01	2.13E-01	3.66E-01	pCi/g	NO	3.85E+03	0.000
0.00E+00	1.22E-01	1.77E-01	pCi/g	NO	0.00E+00	0.000
1.82E-02	1.37E-01	1.99E-01	pCi/g	NO	5.42E+02	0.000
0.00E+00	1.34E+00	2.30E+00	pCi/g	NO	0.00E+00	0.000
6.26E-03	3.47E-02	7.33E-02	pCi/g	NO	1.87E+02	0.000
0.00E+00	8.29E-02	1.31E-01	pCi/g	NO	0.00E+00	0.000
1.52E+00	6.87E-01	1.12E+00	pCi/g	NO	4.53E+04	0.000
0.00E+00	1.04E-01	1.18E-01	pCi/g	NO	0.00E+00	0.000
0.00E+00	3.64E-01	5.32E-01	pCi/g	NO	0.00E+00	0.000
5.93E-03	9.72E-02	2.32E-01	pCi/g	NO	1.77E+02	0.000
0.00E+00	1.18E-01	1.42E-01	pCi/g	NO	0.00E+00	0.000
3.91E-02	2.30E-01	3.37E-01	pCi/g	NO	1.17E+03	0.000
0.00E+00	3.20E-01	1.75E-01	pCi/g	NO	0.00E+00	0.000
1.07E-01	1.90E-01	3.72E-01	pCi/g	NO	3.20E+03	0.000
6.06E-02	6.23E-02	6.61E-02	pCi/g	NO	1.81E+03	0.026
1.52E-02	3.65E-02	7.67E-02	pCi/g	NO	4.55E+02	0.000
0.00E+00	5.02E-02	1.09E-01	pCi/g	NO	0.00E+00	0.000

0.00E+00	4.40E+00	7.67E+00	pCi/g	NO	0.00E+00	0.000
4.11E-02	5.32E-02	7.38E-02	pCi/g	NO	1.23E+03	0.000
2.68E-02	4.56E-02	8.05E-02	pCi/g	NO	8.01E+02	0.000
8.09E-03	3.38E-02	8.67E-02	pCi/g	NO	2.42E+02	0.000

GLs

(w/ Nuclide @ MDC) (positive dose)

TOTAL	ROC Dose =	0.000	0.000	mrem/yr
	IC Dose =	0.653	0.000	mrem/yr



DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL		Result	Uncertainty
0.022	12.515%			H-3	2.53E+00	5.23E+00
0.000	0.000%			C-14	0.00E+00	4.18E-01
0.000	0.015%			Mn-54	1.60E+01	1.09E+02
0.000	0.022%			Fe-55	0.00E+00	3.64E+00
0.000	0.000%			Ni-59	1.70E-01	4.26E-01
0.000	0.000%	0.000	0.653%	Co-60	0.00E+00	8.60E-01
0.047	25.940%	0.000	0.040%	Ni-63	7.16E-01	1.40E+00
0.000	0.051%	0.014	2.945%	Sr-90	2.47E-02	3.25E-02
0.001	0.757%			Nb-94	0.00E+00	3.22E-01
0.006	3.087%			Tc-99	1.19E+00	6.58E-01
0.000	0.039%			Ag-108m	0.00E+00	3.67E-01
0.000	0.000%			Sb-125	0.00E+00	5.48E+00
0.006	3.346%	0.021	11.242%	Cs-134	1.02E+00	2.10E+00
0.000	0.001%	0.005	0.720%	Cs-137	3.56E-01	3.72E-01
0.001	0.353%			Eu-152	0.00E+00	1.27E+00
0.000	0.000%			Eu-154	0.00E+00	1.63E+00
0.000	0.000%			Eu-155	0.00E+00	1.88E+00
0.091	50.576%			Np-237	1.09E-01	9.42E-02
0.000	0.000%			Pu-238	0.00E+00	5.56E-02
0.002	1.172%			Pu-239/240	3.66E-02	7.87E-02
0.001	0.389%			Pu-241	0.00E+00	7.23E+00
0.000	0.000%			Am-241	7.15E-02	7.41E-02
0.003	1.670%			Am-243	3.01E-02	4.60E-02
0.000	0.068%			Cm-243/244	1.13E-01	9.43E-02
0.179		0.040		(1) Using TSD 19 DCGLs		
						TOTAL

DOSE (mrem/yr)	% of TOTAL DOSE	OpSOF Turbine DCGLs	MDC % of DCGL		Result	Uncertainty
0.016	1.774%			H-3	2.01E-01	2.46E+00
0.000	0.000%			C-14	0.00E+00	3.95E-01
0.000	0.000%			Mn-54	1.57E-01	3.51E-01
0.000	0.000%			Fe-55	2.69E-01	2.01E-01
0.000	0.000%			Ni-59	9.54E-04	1.12E-01
0.000	0.001%	0.000	0.120%	Co-60	8.04E-02	1.03E-01
0.000	0.000%	0.000	0.038%	Ni-63	2.70E-01	1.40E+00
0.000	0.012%	0.016	2.900%	Sr-90	1.39E-02	3.21E-02

0.000	0.000%		
0.005	0.546%		
0.000	0.002%		
0.000	0.000%		
0.000	0.000%	0.000	0.707%
0.000	0.000%	0.002	0.324%
0.000	0.018%		
0.000	0.000%		
0.000	0.001%		
0.852	96.949%		
0.000	0.000%		
0.000	0.000%		
0.000	0.000%		
0.003	0.372%		
0.003	0.292%		
0.000	0.034%		
0.878		0.019	

<b>Nb-94</b>	0.00E+00	8.42E-02
<b>Tc-99</b>	8.04E-02	1.03E-01
<b>Ag-108m</b>	0.00E+00	8.65E-02
<b>Sb-125</b>	0.00E+00	3.60E-01
<b>Cs-134</b>	2.04E-02	8.76E-02
<b>Cs-137</b>	4.16E-02	9.19E-02
<b>Eu-152</b>	0.00E+00	1.78E-01
<b>Eu-154</b>	1.42E-03	2.19E-01
<b>Eu-155</b>	2.26E-01	1.55E-01
<b>Np-237</b>	8.45E-02	1.04E-01
<b>Pu-238</b>	3.87E-01	1.89E-01
<b>Pu-239/240</b>	1.35E-01	1.33E-01
<b>Pu-241</b>	0.00E+00	6.15E+00
<b>Am-241</b>	2.03E-02	4.39E-02
<b>Am-243</b>	5.72E-02	6.19E-02
<b>Cm-243/244</b>	3.01E-02	4.61E-02
(1) Using TSD 19 DCGLs		
		<b>TOTAL</b>

<b>DOSE (mrem/yr)</b>	<b>% of TOTAL DOSE</b>	<b>OpSOF Turbine DCGLs</b>	<b>MDC % of DCGL</b>
0.000	0.000%		
0.000	0.000%		
0.000	0.000%		
0.000	0.001%		
0.000	0.000%		
0.000	0.000%	0.000	0.099%
0.000	0.000%	0.000	0.037%
0.000	0.003%	0.003	3.326%
0.000	0.000%		
0.006	0.894%		
0.000	0.000%		
0.000	0.000%		
0.000	0.006%	0.000	0.513%
0.000	0.000%	0.000	0.237%
0.000	0.007%		
0.000	0.000%		
0.000	0.001%		
0.643	98.391%		
0.001	0.106%		
0.000	0.000%		

	<b>Result</b>	<b>Uncertainty</b>
<b>H-3</b>	0.00E+00	2.82E+00
<b>C-14</b>	0.00E+00	4.31E-01
<b>Mn-54</b>	4.12E-01	2.81E-01
<b>Fe-55</b>	0.00E+00	2.09E-01
<b>Ni-59</b>	4.91E-02	9.92E-02
<b>Co-60</b>	5.60E-02	1.07E-01
<b>Ni-63</b>	0.00E+00	1.29E+00
<b>Sr-90</b>	3.74E-02	2.73E-02
<b>Nb-94</b>	3.50E-02	5.56E-02
<b>Tc-99</b>	1.95E+00	6.63E-01
<b>Ag-108m</b>	0.00E+00	4.06E-02
<b>Sb-125</b>	1.56E-01	2.06E-01
<b>Cs-134</b>	0.00E+00	2.75E-01
<b>Cs-137</b>	2.08E-02	8.62E-02
<b>Eu-152</b>	1.97E-01	3.07E-01
<b>Eu-154</b>	1.50E-02	1.77E-01
<b>Eu-155</b>	0.00E+00	2.57E-01
<b>Np-237</b>	3.20E-02	6.21E-02
<b>Pu-238</b>	0.00E+00	4.24E-02
<b>Pu-239/240</b>	1.28E-02	3.92E-02

0.000	0.000%	
0.002	0.350%	
0.002	0.234%	
0.000	0.007%	
0.653		0.003

<b>Pu-241</b>	0.00E+00	4.72E+00
<b>Am-241</b>	5.86E-02	6.93E-02
<b>Am-243</b>	6.93E-02	8.16E-02
<b>Cm-243/244</b>	1.21E-01	9.36E-02
(1) Using TSD 19 DCGLs		
		TOTAL



**B2-06104-CJFC-003-CV (0.5-1.0 in)**

MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE
8.88E+00	pCi/g	NO	7.56E+04	0.000	0.003	0.276%
7.23E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.66E+02	pCi/g	NO	4.77E+05	0.000	0.000	0.000%
5.66E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
6.94E-01	pCi/g	NO	5.07E+03	0.000	0.000	0.032%
1.28E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
2.37E+00	pCi/g	NO	2.14E+04	0.002	0.051	4.141%
6.69E-02	pCi/g	NO	7.36E+02	0.000	0.000	0.006%
4.30E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.09E+00	pCi/g	NO	3.55E+04	0.000	0.005	0.373%
4.60E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
6.63E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
5.99E+00	pCi/g	NO	3.05E+04	0.000	0.007	0.530%
6.10E-01	pCi/g	NO	1.06E+04	0.000	0.000	0.000%
1.66E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.06E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
2.62E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.09E-01	pCi/g	YES	3.25E+03	0.046	1.154	93.956%
1.99E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.53E-01	pCi/g	NO	1.09E+03	0.000	0.002	0.169%
1.25E+01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
9.34E-02	pCi/g	NO	2.13E+03	0.000	0.004	0.324%
6.86E-02	pCi/g	NO	8.98E+02	0.000	0.002	0.140%
1.09E-01	pCi/g	YES	3.36E+03	0.000	0.001	0.053%
(w/ Nuclide @ MDC) (positive dose)					1.228	
ROC Dose =		0.057	0.000	mrem/yr		
IC Dose =		1.171	1.155	mrem/yr		

**B1-06201A-FSWC-041-CV**

MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE
4.22E+00	pCi/g	NO	5.99E+03	0.000	0.000	0.028%
6.85E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
5.42E-01	pCi/g	NO	4.70E+03	0.000	0.000	0.000%
3.60E-01	pCi/g	NO	8.03E+03	0.000	0.000	0.001%
1.73E-01	pCi/g	NO	2.85E+01	0.000	0.000	0.000%
1.64E-01	pCi/g	NO	2.40E+03	0.000	0.000	0.001%
2.38E+00	pCi/g	NO	8.05E+03	0.001	0.019	2.028%
6.72E-02	pCi/g	NO	4.14E+02	0.000	0.000	0.004%

1.00E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.64E-01	pCi/g	NO	2.40E+03	0.000	0.000	0.033%
9.77E-02	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
4.37E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
2.58E-01	pCi/g	NO	6.10E+02	0.000	0.000	0.014%
1.48E-01	pCi/g	NO	1.24E+03	0.000	0.000	0.000%
3.18E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.67E-01	pCi/g	NO	4.23E+01	0.000	0.000	0.000%
3.12E-01	pCi/g	NO	6.74E+03	0.000	0.000	0.001%
1.59E-01	pCi/g	NO	2.52E+03	0.036	0.896	94.742%
1.26E-01	pCi/g	YES	1.15E+04	0.001	0.018	1.862%
1.93E-01	pCi/g	NO	4.01E+03	0.000	0.008	0.804%
1.06E+01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
8.66E-02	pCi/g	NO	6.05E+02	0.000	0.001	0.119%
7.47E-02	pCi/g	NO	1.71E+03	0.000	0.003	0.345%
6.86E-02	pCi/g	NO	8.97E+02	0.000	0.000	0.019%

(w/ Nuclide @ MDC) (positive dose)

ROC Dose = 0.019 0.000 mrem/yr

IC Dose = 0.926 0.018 mrem/yr

0.946

### B1-06201A-FSWC-050-CV

MDC		>MDC	Result (pCi/m2)	DOSE FRACTION (1)	DOSE (mrem/yr)	% of TOTAL DOSE
4.94E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
7.43E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
5.96E-01	pCi/g	NO	1.23E+04	0.000	0.000	0.000%
3.10E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.63E-01	pCi/g	NO	1.46E+03	0.000	0.000	0.032%
9.84E-02	pCi/g	NO	1.67E+03	0.000	0.000	0.001%
2.22E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
5.36E-02	pCi/g	NO	1.12E+03	0.000	0.000	0.032%
1.07E-01	pCi/g	NO	1.04E+03	0.000	0.001	0.312%
1.07E+00	pCi/g	NO	5.83E+04	0.000	0.008	2.100%
7.77E-02	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
4.03E-01	pCi/g	NO	4.65E+03	0.000	0.001	0.146%
2.06E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.41E-01	pCi/g	NO	6.20E+02	0.000	0.000	0.000%
3.07E-01	pCi/g	NO	5.89E+03	0.000	0.000	0.060%
1.69E-01	pCi/g	NO	4.49E+02	0.000	0.000	0.005%
2.96E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.17E-01	pCi/g	NO	9.56E+02	0.014	0.340	94.897%
1.30E-01	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
9.29E-02	pCi/g	NO	3.83E+02	0.000	0.001	0.202%

8.20E+00	pCi/g	NO	0.00E+00	0.000	0.000	0.000%
1.01E-01	pCi/g	NO	1.75E+03	0.000	0.003	0.912%
1.20E-01	pCi/g	NO	2.07E+03	0.000	0.004	1.103%
9.30E-02	pCi/g	YES	3.60E+03	0.000	0.001	0.197%
(w/ Nuclide @ MDC) (positive dose)					0.358	
ROC Dose =		0.000	0.000	mrem/yr		
IC Dose =		0.358	0.001	mrem/yr		

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OpSOF Turbine DCGLs	MDC % of DCGL
0.000	0.641%
0.000	0.038%
0.011	3.033%
0.023	13.247%
0.006	1.017%
0.040	

OpSOF Turbine DCGLs	MDC % of DCGL
0.000	0.082%
0.000	0.038%
0.006	3.050%

0.000	0.571%
0.001	0.246%

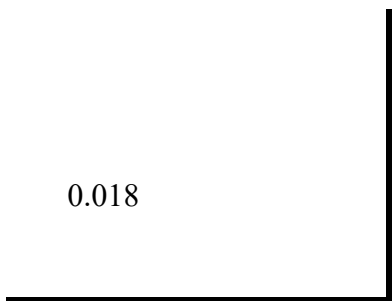
0.008
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OpSOF Turbine DCGLs	MDC % of DCGL
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0.000	0.049%
0.000	0.036%
0.017	2.433%

0.000	0.455%
0.000	0.235%

0.018



**B1-06202A-FSWC-040-CV**

	<b>Result</b>	<b>Uncertainty</b>	<b>MDC</b>		<b>&gt;MDC</b>	
<b>H-3</b>	3.70E+00	2.42E+00	3.98E+00	pCi/g	NO	<b>H-3</b>
<b>C-14</b>	-4.31E-01	3.70E-01	6.39E-01	pCi/g	NO	<b>C-14</b>
<b>K-40</b>	5.71E+00	1.33E+00	1.03E+00	pCi/g	YES	<b>K-40</b>
<b>Mn-54</b>	-3.94E-02	2.94E-01	3.94E-01	pCi/g	NO	<b>Mn-54</b>
<b>Fe-55</b>	-3.00E-02	1.41E-01	2.23E-01	pCi/g	NO	<b>Fe-55</b>
<b>Ni-59</b>	1.46E-02	7.26E-02	1.15E-01	pCi/g	NO	<b>Ni-59</b>
<b>Co-60</b>	1.48E-02	5.69E-02	1.08E-01	pCi/g	NO	<b>Co-60</b>
<b>Ni-63</b>	1.45E+00	1.32E+00	2.20E+00	pCi/g	NO	<b>Ni-63</b>
<b>Sr-90</b>	9.38E-03	3.70E-02	7.85E-02	pCi/g	NO	<b>Sr-90</b>
<b>Mo-93</b>	1.65E-02	5.15E-02	8.71E-02	pCi/g	NO	<b>Mo-93</b>
<b>Nb-94</b>	-6.70E-03	5.79E-02	7.05E-02	pCi/g	NO	<b>Nb-94</b>
<b>Tc-99</b>	1.79E+00	7.12E-01	1.16E+00	pCi/g	YES	<b>Tc-99</b>
<b>Ag-108m</b>	9.84E-03	3.48E-02	6.21E-02	pCi/g	NO	<b>Ag-108m</b>
<b>Sb-125</b>	1.54E-01	1.81E-01	3.19E-01	pCi/g	NO	<b>Sb-125</b>
<b>I-129</b>	-1.46E-02	1.39E-01	2.25E-01	pCi/g	NO	<b>I-129</b>
<b>Ba-133</b>	-1.08E-01	1.24E-01	1.25E-01	pCi/g	NO	<b>Ba-133</b>
<b>Cs-134</b>	4.12E-02	6.30E-02	1.57E-01	pCi/g	NO	<b>Cs-134</b>
<b>Cs-137</b>	1.37E-01	8.16E-02	1.23E-01	pCi/g	YES	<b>Cs-137</b>
<b>Pm-145</b>	5.31E-02	1.32E-01	2.22E-01	pCi/g	NO	<b>Pm-145</b>
<b>Pm-147</b>	1.63E+00	1.46E+00	2.44E+00	pCi/g	NO	<b>Pm-147</b>
<b>Eu-152</b>	-4.18E-01	2.79E-01	2.32E-01	pCi/g	NO	<b>Eu-152</b>
<b>Eu-154</b>	-3.08E-02	1.08E-01	1.23E-01	pCi/g	NO	<b>Eu-154</b>
<b>Eu-155</b>	1.47E-01	1.48E-01	2.41E-01	pCi/g	NO	<b>Eu-155</b>
<b>Ho-166m</b>	2.05E-02	9.15E-02	8.70E-02	pCi/g	NO	<b>Ho-166m</b>
<b>Tl-208</b>	3.67E-01	1.71E-01	2.42E-01	pCi/g	YES	<b>Tl-208</b>
<b>Pb-210</b>	1.52E+00	1.36E+00	2.25E+00	pCi/g	NO	<b>Pb-210</b>
<b>Pb-212</b>	3.09E-01	1.09E-01	2.26E-01	pCi/g	YES	<b>Pb-212</b>
<b>Pb-214</b>	4.22E-01	1.26E-01	3.22E-01	pCi/g	YES	<b>Pb-214</b>
<b>Bi-214</b>	3.95E-01	1.24E-01	2.81E-01	pCi/g	YES	<b>Bi-214</b>
<b>Ra-226</b>	3.95E-01	1.24E-01	2.81E-01	pCi/g	YES	<b>Ra-226</b>
<b>Ac-228</b>	4.58E-01	1.84E-01	5.56E-01	pCi/g	NO	<b>Ac-228</b>
<b>Th-234</b>	1.20E+00	1.43E+00	2.40E+00	pCi/g	NO	<b>Th-234</b>
<b>U-235</b>	8.27E-02	2.71E-01	4.15E-01	pCi/g	NO	<b>U-235</b>
<b>Np-237</b>	4.76E-02	5.74E-02	7.02E-02	pCi/g	NO	<b>Np-237</b>
<b>Pu-238</b>	5.50E-02	7.41E-02	1.16E-01	pCi/g	NO	<b>Pu-238</b>
<b>Pu-239/240</b>	3.60E-02	6.36E-02	1.15E-01	pCi/g	NO	<b>Pu-239/240</b>
<b>Pu-241</b>	1.51E+00	5.85E+00	9.95E+00	pCi/g	NO	<b>Pu-241</b>
<b>Am-241</b>	6.44E-02	8.10E-02	1.29E-01	pCi/g	NO	<b>Am-241</b>
<b>Am-243</b>	2.85E-02	6.17E-02	1.22E-01	pCi/g	NO	<b>Am-243</b>
<b>Cm-243/244</b>	2.12E-02	4.60E-02	9.08E-02	pCi/g	NO	<b>Cm-243/244</b>

**B2-08101A-BJFC-007-CV (0.5-1.0 in)**

	Result	Uncertainty	MDC		>MDC	
<b>H-3</b>	6.35E+00	5.68E+00	9.48E+00	pCi/g	NO	<b>H-3</b>
<b>C-14</b>	-2.87E-01	4.03E-01	6.91E-01	pCi/g	NO	<b>C-14</b>
<b>K-40</b>	1.15E+01	3.01E+00	1.92E+00	pCi/g	YES	<b>K-40</b>
<b>Mn-54</b>	-1.12E+02	1.23E+02	1.52E+02	pCi/g	NO	<b>Mn-54</b>
<b>Fe-55</b>	-1.76E+00	2.08E+00	3.04E+00	pCi/g	NO	<b>Fe-55</b>
<b>Ni-59</b>	7.38E-02	1.97E-01	3.17E-01	pCi/g	NO	<b>Ni-59</b>
<b>Co-60</b>	1.19E-01	4.80E-01	7.55E-01	pCi/g	NO	<b>Co-60</b>
<b>Ni-63</b>	7.46E-01	1.42E+00	2.41E+00	pCi/g	NO	<b>Ni-63</b>
<b>Sr-90</b>	-8.90E-04	3.25E-02	6.96E-02	pCi/g	NO	<b>Sr-90</b>
<b>Mo-93</b>	3.27E-02	2.06E-01	3.48E-01	pCi/g	NO	<b>Mo-93</b>
<b>Nb-94</b>	1.51E-01	1.20E-01	2.46E-01	pCi/g	NO	<b>Nb-94</b>
<b>Tc-99</b>	1.29E+00	7.36E-01	1.21E+00	pCi/g	YES	<b>Tc-99</b>
<b>Ag-108m</b>	-1.03E-01	1.41E-01	2.06E-01	pCi/g	NO	<b>Ag-108m</b>
<b>Sb-125</b>	1.05E+00	2.55E+00	4.60E+00	pCi/g	NO	<b>Sb-125</b>
<b>I-129</b>	3.45E-01	3.43E-01	5.53E-01	pCi/g	NO	<b>I-129</b>
<b>Ba-133</b>	8.29E-02	1.69E-01	4.70E-01	pCi/g	NO	<b>Ba-133</b>
<b>Cs-134</b>	0.00E+00	1.27E+00	3.23E+00	pCi/g	NO	<b>Cs-134</b>
<b>Cs-137</b>	-1.22E-01	2.28E-01	3.10E-01	pCi/g	NO	<b>Cs-137</b>
<b>Pm-145</b>	2.32E-01	5.73E-01	7.98E-01	pCi/g	NO	<b>Pm-145</b>
<b>Pm-147</b>	1.17E+01	7.08E+00	1.17E+01	pCi/g	NO	<b>Pm-147</b>
<b>Eu-152</b>	-2.32E-01	8.27E-01	9.63E-01	pCi/g	NO	<b>Eu-152</b>
<b>Eu-154</b>	-1.58E-01	8.76E-01	6.04E-01	pCi/g	NO	<b>Eu-154</b>
<b>Eu-155</b>	1.69E+00	1.08E+00	1.65E+00	pCi/g	YES	<b>Eu-155</b>
<b>Ho-166m</b>	8.14E-02	3.02E-01	2.88E-01	pCi/g	NO	<b>Ho-166m</b>
<b>Tl-208</b>	3.96E-01	6.22E-01	1.04E+00	pCi/g	NO	<b>Tl-208</b>
<b>Pb-210</b>	3.88E+00	4.40E+00	7.34E+00	pCi/g	NO	<b>Pb-210</b>
<b>Pb-212</b>	7.44E-01	2.85E-01	7.47E-01	pCi/g	NO	<b>Pb-212</b>
<b>Pb-214</b>	9.94E-01	4.58E-01	7.75E-01	pCi/g	YES	<b>Pb-214</b>
<b>Bi-214</b>	1.22E+00	6.96E-01	1.08E+00	pCi/g	YES	<b>Bi-214</b>
<b>Ra-226</b>	1.22E+00	6.96E-01	1.08E+00	pCi/g	YES	<b>Ra-226</b>
<b>Ac-228</b>	1.48E+00	6.73E-01	1.21E+00	pCi/g	YES	<b>Ac-228</b>
<b>Th-234</b>	3.08E+00	3.34E+00	4.83E+00	pCi/g	NO	<b>Th-234</b>
<b>U-235</b>	1.48E-01	9.48E-01	1.30E+00	pCi/g	NO	<b>U-235</b>
<b>Np-237</b>	4.84E-02	6.93E-02	1.14E-01	pCi/g	NO	<b>Np-237</b>
<b>Pu-238</b>	-1.77E-02	4.37E-02	1.25E-01	pCi/g	NO	<b>Pu-238</b>
<b>Pu-239/240</b>	-3.32E-03	3.89E-02	8.16E-02	pCi/g	NO	<b>Pu-239/240</b>
<b>Pu-241</b>	2.44E+00	7.59E+00	1.29E+01	pCi/g	NO	<b>Pu-241</b>
<b>Am-241</b>	2.06E-02	5.15E-02	1.07E-01	pCi/g	NO	<b>Am-241</b>
<b>Am-243</b>	5.82E-02	7.03E-02	8.58E-02	pCi/g	NO	<b>Am-243</b>
<b>Cm-243/244</b>	8.35E-02	7.99E-02	8.57E-02	pCi/g	NO	<b>Cm-243/244</b>

**L2-10214C-RJGS-001-SM-A**

	Result	Uncertainty	MDC		>MDC	
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<b>H-3</b>	2.74E+00	2.28E+00	3.79E+00	pCi/g	NO	<b>H-3</b>
<b>C-14</b>	-4.72E-01	3.76E-01	6.50E-01	pCi/g	NO	<b>C-14</b>
<b>K-40</b>	5.09E+00	6.51E-01	4.74E-01	pCi/g	YES	<b>K-40</b>
<b>Mn-54</b>	7.01E-03	3.94E-02	5.91E-02	pCi/g	NO	<b>Mn-54</b>
<b>Fe-55</b>	5.91E-02	6.71E-02	1.15E-01	pCi/g	NO	<b>Fe-55</b>
<b>Ni-59</b>	-6.28E-03	4.68E-02	7.12E-02	pCi/g	NO	<b>Ni-59</b>
<b>Co-60</b>	2.65E-01	3.39E-02	4.51E-02	pCi/g	YES	<b>Co-60</b>
<b>Ni-63</b>	-1.73E-01	1.30E+00	2.24E+00	pCi/g	NO	<b>Ni-63</b>
<b>Sr-90</b>	-9.40E-03	3.41E-02	7.39E-02	pCi/g	NO	<b>Sr-90</b>
<b>Mo-93</b>	-1.32E-02	1.69E-02	2.01E-02	pCi/g	NO	<b>Mo-93</b>
<b>Nb-94</b>	2.40E-02	1.67E-02	2.53E-02	pCi/g	NO	<b>Nb-94</b>
<b>Tc-99</b>	1.46E+00	6.40E-01	1.04E+00	pCi/g	YES	<b>Tc-99</b>
<b>Ag-108m</b>	2.26E-02	1.67E-02	3.00E-02	pCi/g	NO	<b>Ag-108m</b>
<b>Sb-125</b>	3.80E-02	7.98E-02	1.18E-01	pCi/g	NO	<b>Sb-125</b>
<b>I-129</b>	9.89E-03	2.49E-02	7.80E-02	pCi/g	NO	<b>I-129</b>
<b>Ba-133</b>	4.61E-03	3.41E-02	4.72E-02	pCi/g	NO	<b>Ba-133</b>
<b>Cs-134</b>	-1.57E-01	4.61E-02	3.57E-02	pCi/g	NO	<b>Cs-134</b>
<b>Cs-137</b>	2.18E+00	2.50E-01	5.19E-02	pCi/g	YES	<b>Cs-137</b>
<b>Pm-145</b>	-4.66E-02	4.65E-02	7.14E-02	pCi/g	NO	<b>Pm-145</b>
<b>Pm-147</b>	9.09E-01	1.18E+00	1.99E+00	pCi/g	NO	<b>Pm-147</b>
<b>Eu-152</b>	1.33E-02	6.46E-02	7.87E-02	pCi/g	NO	<b>Eu-152</b>
<b>Eu-154</b>	4.61E-02	5.72E-02	4.12E-02	pCi/g	YES	<b>Eu-154</b>
<b>Eu-155</b>	-8.47E-03	4.60E-02	6.57E-02	pCi/g	NO	<b>Eu-155</b>
<b>Ho-166m</b>	5.79E-03	2.77E-02	2.78E-02	pCi/g	NO	<b>Ho-166m</b>
<b>Tl-208</b>	1.80E-01	5.83E-02	9.63E-02	pCi/g	YES	<b>Tl-208</b>
<b>Pb-210</b>	4.98E-01	4.11E-01	6.82E-01	pCi/g	NO	<b>Pb-210</b>
<b>Pb-212</b>	2.12E-01	5.56E-02	7.94E-02	pCi/g	YES	<b>Pb-212</b>
<b>Pb-214</b>	2.10E-01	5.98E-02	1.09E-01	pCi/g	YES	<b>Pb-214</b>
<b>Bi-214</b>	1.82E-01	4.48E-02	1.49E-01	pCi/g	YES	<b>Bi-214</b>
<b>Ra-226</b>	1.82E-01	4.48E-02	1.49E-01	pCi/g	YES	<b>Ra-226</b>
<b>Ac-228</b>	2.05E-01	8.86E-02	1.84E-01	pCi/g	YES	<b>Ac-228</b>
<b>Th-234</b>	8.17E-01	2.93E-01	4.86E-01	pCi/g	YES	<b>Th-234</b>
<b>U-235</b>	1.17E-01	1.05E-01	1.57E-01	pCi/g	NO	<b>U-235</b>
<b>Np-237</b>	7.03E-02	6.64E-02	8.17E-02	pCi/g	NO	<b>Np-237</b>
<b>Pu-238</b>	3.03E-02	8.41E-02	1.82E-01	pCi/g	NO	<b>Pu-238</b>
<b>Pu-239/240</b>	-5.12E-03	5.98E-02	1.26E-01	pCi/g	NO	<b>Pu-239/240</b>
<b>Pu-241</b>	-1.04E+00	8.03E+00	1.38E+01	pCi/g	NO	<b>Pu-241</b>
<b>Am-241</b>	3.36E-02	5.17E-02	8.85E-02	pCi/g	NO	<b>Am-241</b>
<b>Am-243</b>	1.41E-02	3.38E-02	7.10E-02	pCi/g	NO	<b>Am-243</b>
<b>Cm-243/244</b>	1.53E-02	4.19E-02	8.65E-02	pCi/g	NO	<b>Cm-243/244</b>

## B1-06214A-FSFC-001-CV

## B2-0810

Result	Uncertainty	MDC		>MDC		Result
3.86E+00	2.40E+00	3.94E+00	pCi/g	NO	<b>H-3</b>	4.97E+00
-6.32E-01	3.49E-01	6.09E-01	pCi/g	NO	<b>C-14</b>	-4.56E-01
6.45E+00	1.84E+00	8.62E-01	pCi/g	YES	<b>K-40</b>	8.56E+00
4.62E-01	4.28E-01	8.84E-01	pCi/g	NO	<b>Mn-54</b>	-1.66E+01
6.56E-02	1.89E-01	3.14E-01	pCi/g	NO	<b>Fe-55</b>	7.56E-01
-4.18E-03	9.97E-02	1.53E-01	pCi/g	NO	<b>Ni-59</b>	1.10E-02
-5.41E-02	1.85E-01	2.88E-01	pCi/g	NO	<b>Co-60</b>	-5.83E-01
2.70E-01	1.37E+00	2.33E+00	pCi/g	NO	<b>Ni-63</b>	4.56E-01
4.13E-02	2.90E-02	5.70E-02	pCi/g	NO	<b>Sr-90</b>	2.48E-02
3.42E-02	1.02E-01	1.37E-01	pCi/g	NO	<b>Mo-93</b>	6.50E-02
2.32E-02	1.21E-01	1.79E-01	pCi/g	NO	<b>Nb-94</b>	1.74E-02
1.49E+00	6.88E-01	1.13E+00	pCi/g	YES	<b>Tc-99</b>	2.07E+00
3.17E-02	1.22E-01	1.39E-01	pCi/g	NO	<b>Ag-108m</b>	-7.38E-02
4.16E-01	4.52E-01	7.29E-01	pCi/g	NO	<b>Sb-125</b>	-1.51E+00
2.86E-02	2.40E-01	3.60E-01	pCi/g	NO	<b>I-129</b>	2.64E-01
1.07E-02	6.60E-02	2.75E-01	pCi/g	NO	<b>Ba-133</b>	2.93E-01
-4.09E-02	9.97E-02	3.59E-01	pCi/g	NO	<b>Cs-134</b>	4.82E-01
2.89E-03	1.48E-01	2.07E-01	pCi/g	NO	<b>Cs-137</b>	1.15E-01
-2.11E-01	2.32E-01	3.16E-01	pCi/g	NO	<b>Pm-145</b>	3.88E-01
1.38E+00	1.52E+00	2.55E+00	pCi/g	NO	<b>Pm-147</b>	1.34E+01
-3.69E-01	5.24E-01	3.08E-01	pCi/g	NO	<b>Eu-152</b>	2.89E-01
-3.41E-01	4.60E-01	1.72E-01	pCi/g	NO	<b>Eu-154</b>	4.41E-01
2.44E-01	2.07E-01	3.25E-01	pCi/g	NO	<b>Eu-155</b>	6.54E-02
-3.48E-02	1.83E-01	1.39E-01	pCi/g	NO	<b>Ho-166m</b>	3.81E-01
4.50E-01	2.41E-01	4.10E-01	pCi/g	YES	<b>Tl-208</b>	3.80E-01
1.38E+00	1.56E+00	2.45E+00	pCi/g	NO	<b>Pb-210</b>	4.33E+00
7.02E-01	2.39E-01	3.38E-01	pCi/g	YES	<b>Pb-212</b>	1.07E+00
5.56E-01	2.39E-01	4.17E-01	pCi/g	YES	<b>Pb-214</b>	1.33E+00
7.03E-01	2.65E-01	2.56E-01	pCi/g	YES	<b>Bi-214</b>	1.34E+00
7.03E-01	2.65E-01	2.56E-01	pCi/g	YES	<b>Ra-226</b>	1.34E+00
-1.27E-01	1.49E-01	8.49E-01	pCi/g	NO	<b>Ac-228</b>	7.82E-01
2.43E+00	1.33E+00	2.19E+00	pCi/g	YES	<b>Th-234</b>	7.69E+00
5.84E-01	4.01E-01	6.81E-01	pCi/g	NO	<b>U-235</b>	2.58E-01
2.94E-02	4.98E-02	8.80E-02	pCi/g	NO	<b>Np-237</b>	7.53E-02
-2.76E-03	3.23E-02	6.77E-02	pCi/g	NO	<b>Pu-238</b>	-8.11E-03
0.00E+00	4.43E-02	9.58E-02	pCi/g	NO	<b>Pu-239/240</b>	0.00E+00
9.59E-01	3.72E+00	6.33E+00	pCi/g	NO	<b>Pu-241</b>	-1.47E+00
-4.34E-04	4.60E-02	1.37E-01	pCi/g	NO	<b>Am-241</b>	4.23E-02
4.43E-02	5.81E-02	8.86E-02	pCi/g	NO	<b>Am-243</b>	2.02E-01
3.47E-02	6.62E-02	1.22E-01	pCi/g	NO	<b>Cm-243/244</b>	1.24E-02

## B2-08201A-CJWC-018-CV (0.0-0.5 in)

## B2-08201

Result	Uncertainty	MDC		>MDC	Result	
4.02E+00	3.34E+00	5.56E+00	pCi/g	NO	<b>H-3</b>	6.41E+00
-6.71E-01	3.91E-01	6.81E-01	pCi/g	NO	<b>C-14</b>	-5.32E-01
6.63E+00	4.17E+00	5.44E+00	pCi/g	YES	<b>K-40</b>	8.11E+00
-2.99E+01	2.03E+02	3.28E+02	pCi/g	NO	<b>Mn-54</b>	-5.06E+01
-1.79E-01	3.22E+00	5.12E+00	pCi/g	NO	<b>Fe-55</b>	1.34E+00
1.08E-01	3.31E-01	5.28E-01	pCi/g	NO	<b>Ni-59</b>	3.79E-02
-8.17E-01	1.52E+00	1.60E+00	pCi/g	NO	<b>Co-60</b>	6.65E-02
-6.62E-01	1.41E+00	2.44E+00	pCi/g	NO	<b>Ni-63</b>	5.54E-01
-2.77E-02	2.69E-02	6.12E-02	pCi/g	NO	<b>Sr-90</b>	3.48E-03
-2.37E-01	5.55E-01	7.95E-01	pCi/g	NO	<b>Mo-93</b>	-8.88E-02
2.62E-01	3.39E-01	5.03E-01	pCi/g	NO	<b>Nb-94</b>	-7.09E-02
9.57E-01	5.63E-01	9.30E-01	pCi/g	YES	<b>Tc-99</b>	1.71E+00
-1.60E-01	3.91E-01	4.55E-01	pCi/g	NO	<b>Ag-108m</b>	1.31E-01
-2.89E-01	6.44E+00	9.17E+00	pCi/g	NO	<b>Sb-125</b>	-1.17E+00
-1.99E-02	7.20E-01	1.08E+00	pCi/g	NO	<b>I-129</b>	-3.76E-01
1.34E-01	2.59E-01	9.98E-01	pCi/g	NO	<b>Ba-133</b>	-5.55E-02
-5.14E+00	6.77E+00	7.60E+00	pCi/g	NO	<b>Cs-134</b>	0.00E+00
8.97E-02	4.50E-01	6.93E-01	pCi/g	NO	<b>Cs-137</b>	2.52E-01
-2.10E-01	7.80E-01	1.14E+00	pCi/g	NO	<b>Pm-145</b>	9.01E-02
7.99E+00	7.19E+00	1.20E+01	pCi/g	NO	<b>Pm-147</b>	1.10E+01
-1.78E+00	2.31E+00	1.19E+00	pCi/g	NO	<b>Eu-152</b>	8.30E-02
-2.01E-01	1.86E+00	8.00E-01	pCi/g	NO	<b>Eu-154</b>	4.39E-01
4.58E-01	1.26E+00	1.94E+00	pCi/g	NO	<b>Eu-155</b>	-8.71E-02
3.42E-01	5.13E-01	3.33E-01	pCi/g	YES	<b>Ho-166m</b>	2.90E-02
5.36E-01	9.57E-01	1.57E+00	pCi/g	NO	<b>Tl-208</b>	7.44E-01
6.20E+00	4.99E+00	8.26E+00	pCi/g	NO	<b>Pb-210</b>	4.42E+00
8.14E-01	3.71E-01	1.02E+00	pCi/g	NO	<b>Pb-212</b>	3.96E-01
1.25E+00	7.13E-01	1.26E+00	pCi/g	NO	<b>Pb-214</b>	9.67E-01
1.31E+00	6.33E-01	9.56E-01	pCi/g	YES	<b>Bi-214</b>	9.88E-01
1.31E+00	6.33E-01	9.56E-01	pCi/g	YES	<b>Ra-226</b>	9.88E-01
1.89E+00	1.33E+00	2.70E+00	pCi/g	NO	<b>Ac-228</b>	-2.94E-01
7.28E+00	4.18E+00	6.66E+00	pCi/g	YES	<b>Th-234</b>	5.06E+00
7.87E-01	1.10E+00	1.81E+00	pCi/g	NO	<b>U-235</b>	1.69E-01
4.18E-02	5.04E-02	6.17E-02	pCi/g	NO	<b>Np-237</b>	4.72E-02
-2.84E-02	5.91E-02	1.75E-01	pCi/g	NO	<b>Pu-238</b>	-2.21E-02
1.72E-02	5.27E-02	1.25E-01	pCi/g	NO	<b>Pu-239/240</b>	4.02E-02
7.81E+00	9.44E+00	1.59E+01	pCi/g	NO	<b>Pu-241</b>	-8.68E+00
-1.29E-02	4.50E-02	1.27E-01	pCi/g	NO	<b>Am-241</b>	1.73E-02
1.14E-01	1.16E-01	1.56E-01	pCi/g	NO	<b>Am-243</b>	6.77E-02
4.05E-02	6.63E-02	1.16E-01	pCi/g	NO	<b>Cm-243/244</b>	6.71E-02

L1-12109L-CJGS-001-SB-A

L1-

Result	Uncertainty	MDC	>MDC	Result
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8.51E+00	2.36E+00	3.67E+00	pCi/g	YES	H-3	1.50E+00
-4.92E-01	3.91E-01	6.77E-01	pCi/g	NO	C-14	-3.28E-01
2.59E+01	2.65E+00	1.93E+00	pCi/g	YES	K-40	1.95E+01
1.33E-01	1.23E-01	1.76E-01	pCi/g	NO	Mn-54	3.61E-02
-1.82E-02	3.86E-01	6.15E-01	pCi/g	NO	Fe-55	1.85E-01
1.80E-01	2.62E-01	4.32E-01	pCi/g	NO	Ni-59	-1.36E-01
9.43E-02	7.75E-02	1.18E-01	pCi/g	NO	Co-60	2.89E-02
7.13E-01	1.36E+00	2.30E+00	pCi/g	NO	Ni-63	-1.09E+00
-2.56E-02	3.76E-02	8.28E-02	pCi/g	NO	Sr-90	2.42E-02
1.49E-02	6.62E-02	9.11E-02	pCi/g	NO	Mo-93	1.21E-02
2.92E-02	6.45E-02	9.12E-02	pCi/g	NO	Nb-94	-3.10E-03
1.73E+00	7.60E-01	1.24E+00	pCi/g	YES	Tc-99	1.17E+00
2.57E-03	4.71E-02	7.80E-02	pCi/g	NO	Ag-108m	4.17E-03
-1.85E-01	1.95E-01	2.67E-01	pCi/g	NO	Sb-125	3.25E-02
-1.11E-01	2.16E-01	3.07E-01	pCi/g	NO	I-129	9.17E-02
8.15E-03	2.98E-02	1.50E-01	pCi/g	NO	Ba-133	-3.19E-01
4.83E-02	5.80E-02	1.47E-01	pCi/g	NO	Cs-134	1.56E-02
1.47E-01	8.15E-02	1.31E-01	pCi/g	YES	Cs-137	1.92E-01
4.47E-02	1.81E-01	2.63E-01	pCi/g	NO	Pm-145	-2.10E-01
1.66E+00	1.14E+00	1.90E+00	pCi/g	NO	Pm-147	7.42E-02
-2.05E-03	1.31E-01	2.52E-01	pCi/g	NO	Eu-152	1.34E-01
-1.19E-01	2.01E-01	1.31E-01	pCi/g	NO	Eu-154	1.57E-02
1.01E+00	1.84E-01	2.67E-01	pCi/g	YES	Eu-155	6.02E-02
2.38E-01	8.51E-02	1.38E-01	pCi/g	YES	Ho-166m	6.21E-02
9.01E-01	1.88E-01	3.50E-01	pCi/g	YES	Tl-208	5.15E-01
2.40E+00	1.43E+00	2.34E+00	pCi/g	YES	Pb-210	1.41E+00
1.15E+00	1.89E-01	2.88E-01	pCi/g	YES	Pb-212	4.37E-01
1.35E+00	2.32E-01	3.27E-01	pCi/g	YES	Pb-214	6.06E-01
1.24E+00	1.90E-01	2.55E-01	pCi/g	YES	Bi-214	6.70E-01
1.24E+00	1.90E-01	2.55E-01	pCi/g	YES	Ra-226	6.70E-01
1.11E+00	2.50E-01	4.54E-01	pCi/g	YES	Ac-228	5.36E-01
6.92E+00	1.33E+00	1.97E+00	pCi/g	YES	Th-234	1.10E+00
5.96E-01	3.59E-01	5.40E-01	pCi/g	YES	U-235	-1.06E-01
4.14E-02	4.99E-02	6.10E-02	pCi/g	NO	Np-237	1.52E-02
1.84E-02	6.63E-02	1.50E-01	pCi/g	NO	Pu-238	-2.11E-02
1.88E-02	4.51E-02	9.45E-02	pCi/g	NO	Pu-239/240	1.02E-02
-7.34E-01	5.65E+00	9.68E+00	pCi/g	NO	Pu-241	
6.61E-02	6.77E-02	9.05E-02	pCi/g	NO	Am-241	4.47E-02
-1.41E-02	3.49E-02	9.95E-02	pCi/g	NO	Am-243	-2.63E-02
2.31E-02	4.97E-02	9.66E-02	pCi/g	NO	Cm-243/244	4.59E-02

**1A-BJFC-007-CV (0.0-0.5 in)**

Uncertainty	MDC		>MDC
3.43E+00	5.67E+00	pCi/g	NO
3.63E-01	6.28E-01	pCi/g	NO
3.05E+00	3.60E+00	pCi/g	YES
1.31E+02	1.78E+02	pCi/g	NO
2.76E+00	4.46E+00	pCi/g	NO
2.98E-01	4.67E-01	pCi/g	NO
5.59E-01	7.34E-01	pCi/g	NO
1.39E+00	2.36E+00	pCi/g	NO
3.32E-02	6.82E-02	pCi/g	NO
3.10E-01	4.58E-01	pCi/g	NO
1.98E-01	2.70E-01	pCi/g	NO
6.99E-01	1.13E+00	pCi/g	YES
2.77E-01	2.37E-01	pCi/g	NO
3.40E+00	4.75E+00	pCi/g	NO
6.11E-01	9.18E-01	pCi/g	NO
5.75E-01	7.52E-01	pCi/g	NO
1.88E+00	3.99E+00	pCi/g	NO
2.37E-01	3.78E-01	pCi/g	NO
6.81E-01	1.06E+00	pCi/g	NO
7.54E+00	1.24E+01	pCi/g	YES
8.81E-01	9.93E-01	pCi/g	NO
9.70E-01	6.53E-01	pCi/g	NO
1.28E+00	1.85E+00	pCi/g	NO
2.78E-01	3.12E-01	pCi/g	YES
6.33E-01	9.84E-01	pCi/g	NO
4.51E+00	7.13E+00	pCi/g	NO
4.84E-01	7.40E-01	pCi/g	YES
4.24E-01	1.24E+00	pCi/g	YES
4.57E-01	3.37E-01	pCi/g	YES
4.57E-01	3.37E-01	pCi/g	YES
8.24E-01	1.38E+00	pCi/g	NO
3.52E+00	5.86E+00	pCi/g	YES
1.08E+00	1.65E+00	pCi/g	NO
7.65E-02	1.03E-01	pCi/g	NO
4.81E-02	1.14E-01	pCi/g	NO
6.21E-02	1.34E-01	pCi/g	NO
7.51E+00	1.29E+01	pCi/g	NO
5.13E-02	6.24E-02	pCi/g	NO
3.46E-01	6.07E-01	pCi/g	NO
2.98E-02	6.24E-02	pCi/g	NO

**B2-06207-CJFC-002-4**

Result	Uncertainty
<b>H-3</b>	6.39E-01
<b>C-14</b>	-8.03E-01
<b>K-40</b>	1.22E+01
<b>Mn-54</b>	3.80E+01
<b>Fe-55</b>	7.11E-01
<b>Ni-59</b>	-2.50E-01
<b>Co-60</b>	-8.66E-02
<b>Ni-63</b>	1.54E+00
<b>Sr-90</b>	-1.90E-03
<b>Mo-93</b>	-2.90E-01
<b>Nb-94</b>	5.18E-02
<b>Tc-99</b>	1.16E+00
<b>Ag-108m</b>	-7.47E-02
<b>Sb-125</b>	-4.70E+00
<b>I-129</b>	-1.80E+00
<b>Ba-133</b>	-2.83E-01
<b>Cs-134</b>	-4.35E+00
<b>Cs-137</b>	5.83E+01
<b>Pm-145</b>	1.33E+00
<b>Pm-147</b>	8.09E+00
<b>Eu-152</b>	-4.93E-01
<b>Eu-154</b>	1.27E-01
<b>Eu-155</b>	-1.01E-01
<b>Ho-166m</b>	4.42E-01
<b>Tl-208</b>	-3.17E-01
<b>Pb-210</b>	7.58E+00
<b>Pb-212</b>	1.20E+00
<b>Pb-214</b>	1.13E+00
<b>Bi-214</b>	1.54E+00
<b>Ra-226</b>	1.54E+00
<b>Ac-228</b>	4.20E-01
<b>Th-234</b>	8.39E+00
<b>U-235</b>	-3.80E-01
<b>Np-237</b>	1.03E-01
<b>Pu-238</b>	2.66E-02
<b>Pu-239/240</b>	5.79E-02
<b>Pu-241</b>	-3.32E+00
<b>Am-241</b>	6.81E-02
<b>Am-243</b>	2.13E-02
<b>Cm-243/244</b>	2.17E-02

**1A-CJWC-018-CV (0.5-1.0 in)**
**B2-06104-CJFC-003-4**

Uncertainty	MDC		>MDC		Result	Uncertainty
3.46E+00	5.64E+00	pCi/g	YES	H-3	-5.39E-01	3.28E+00
3.69E-01	6.41E-01	pCi/g	NO	C-14	-4.47E-01	4.08E-01
3.11E+00	3.93E+00	pCi/g	YES	K-40	9.22E+00	3.74E+00
1.56E+02	1.90E+02	pCi/g	NO	Mn-54	5.11E+01	8.18E+01
2.55E+00	4.30E+00	pCi/g	NO	Fe-55	4.51E-01	2.61E+00
2.76E-01	4.38E-01	pCi/g	NO	Ni-59	-2.63E-01	3.42E-01
1.81E-01	8.74E-01	pCi/g	NO	Co-60	-1.42E-01	5.73E-01
1.41E+00	2.38E+00	pCi/g	NO	Ni-63	-3.64E-01	1.40E+00
2.83E-02	6.04E-02	pCi/g	NO	Sr-90	-1.89E-02	3.30E-02
3.31E-01	4.46E-01	pCi/g	NO	Mo-93	-3.44E-02	3.38E-01
2.12E-01	2.82E-01	pCi/g	NO	Nb-94	9.10E-02	2.14E-01
6.65E-01	1.08E+00	pCi/g	YES	Tc-99	1.47E+00	6.19E-01
1.19E-01	2.29E-01	pCi/g	NO	Ag-108m	-1.10E-01	2.61E-01
3.21E+00	4.56E+00	pCi/g	NO	Sb-125	-5.54E-01	2.64E+00
5.87E-01	8.14E-01	pCi/g	NO	I-129	5.21E-01	4.28E-01
1.21E-01	6.16E-01	pCi/g	NO	Ba-133	-2.36E-01	2.91E-01
1.33E+00	4.46E+00	pCi/g	NO	Cs-134	9.50E-01	1.82E+00
2.28E-01	4.02E-01	pCi/g	NO	Cs-137	1.28E-01	3.13E-01
6.14E-01	9.28E-01	pCi/g	NO	Pm-145	-6.92E-01	8.26E-01
7.27E+00	1.20E+01	pCi/g	NO	Pm-147	2.26E+00	6.48E+00
6.27E-01	1.02E+00	pCi/g	NO	Eu-152	4.69E-01	1.37E+00
8.07E-01	6.61E-01	pCi/g	NO	Eu-154	3.73E-01	9.24E-01
1.16E+00	1.69E+00	pCi/g	NO	Eu-155	1.31E+00	1.42E+00
3.43E-01	2.93E-01	pCi/g	NO	Ho-166m	1.30E-01	4.16E-01
5.68E-01	9.58E-01	pCi/g	NO	Tl-208	2.25E-01	7.85E-01
3.86E+00	6.32E+00	pCi/g	NO	Pb-210	5.39E+00	4.46E+00
3.85E-01	6.35E-01	pCi/g	NO	Pb-212	5.75E-01	3.46E-01
4.55E-01	9.06E-01	pCi/g	YES	Pb-214	8.20E-01	5.25E-01
4.95E-01	8.46E-01	pCi/g	YES	Bi-214	1.21E+00	5.67E-01
4.95E-01	8.46E-01	pCi/g	YES	Ra-226	1.21E+00	5.67E-01
8.38E-01	1.11E+00	pCi/g	NO	Ac-228	8.51E-01	8.76E-01
3.29E+00	5.36E+00	pCi/g	NO	Th-234	7.68E+00	6.00E+00
9.78E-01	1.49E+00	pCi/g	NO	U-235	7.35E-02	1.27E+00
7.22E-02	1.23E-01	pCi/g	NO	Np-237	9.11E-02	8.97E-02
6.72E-02	1.83E-01	pCi/g	NO	Pu-238	-1.41E-02	4.31E-02
8.70E-02	1.72E-01	pCi/g	NO	Pu-239/240	-1.67E-02	4.11E-02
1.01E+01	1.76E+01	pCi/g	NO	Pu-241	3.70E+00	8.25E+00
5.61E-02	1.16E-01	pCi/g	NO	Am-241	2.65E-02	4.07E-02
7.96E-02	1.17E-01	pCi/g	NO	Am-243	6.78E-02	7.72E-02
7.25E-02	1.05E-01	pCi/g	NO	Cm-243/244	1.20E-02	2.89E-02

12106L-CJGS-001-SB-A

B1-06202A-FSW

Uncertainty	MDC	>MDC	Result	Uncertainty
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2.16E+00	3.64E+00	pCi/g	NO	<b>H-3</b>	0.00E+00	2.52E+00
3.68E-01	6.33E-01	pCi/g	NO	<b>C-14</b>	-1.15E-01	4.24E-01
2.02E+00	1.14E+00	pCi/g	YES	<b>K-40</b>	6.09E+00	2.25E+00
7.05E-02	1.09E-01	pCi/g	NO	<b>Mn-54</b>	2.73E-01	5.50E-01
2.37E-01	4.04E-01	pCi/g	NO	<b>Fe-55</b>	-5.33E-02	2.08E-01
1.78E-01	2.52E-01	pCi/g	NO	<b>Ni-59</b>	-1.13E-02	1.03E-01
5.38E-02	7.28E-02	pCi/g	NO	<b>Co-60</b>	5.93E-02	1.53E-01
1.24E+00	2.16E+00	pCi/g	NO	<b>Ni-63</b>	3.42E-01	1.33E+00
3.09E-02	6.34E-02	pCi/g	NO	<b>Sr-90</b>	1.06E-02	2.95E-02
2.17E-02	5.50E-02	pCi/g	NO	<b>Mo-93</b>	4.11E-02	1.17E-01
4.05E-02	5.95E-02	pCi/g	NO	<b>Nb-94</b>	8.61E-02	1.22E-01
5.13E-01	8.38E-01	pCi/g	YES	<b>Tc-99</b>	1.09E+00	5.33E-01
2.76E-02	4.45E-02	pCi/g	NO	<b>Ag-108m</b>	-8.39E-02	1.30E-01
1.02E-01	1.69E-01	pCi/g	NO	<b>Sb-125</b>	-3.62E-01	6.00E-01
8.74E-02	1.23E-01	pCi/g	NO	<b>I-129</b>	-1.81E-01	2.77E-01
1.03E-01	6.63E-02	pCi/g	NO	<b>Ba-133</b>	2.34E-01	2.05E-01
3.25E-02	7.48E-02	pCi/g	NO	<b>Cs-134</b>	7.97E-03	1.37E-01
6.43E-02	9.63E-02	pCi/g	YES	<b>Cs-137</b>	-9.96E-03	1.12E-01
1.25E-01	1.45E-01	pCi/g	NO	<b>Pm-145</b>	1.14E-01	2.31E-01
1.04E+00	1.78E+00	pCi/g	NO	<b>Pm-147</b>	1.32E+00	1.48E+00
1.31E-01	1.51E-01	pCi/g	NO	<b>Eu-152</b>	8.42E-02	4.94E-01
1.25E-01	7.86E-02	pCi/g	NO	<b>Eu-154</b>	-6.05E-01	5.69E-01
6.89E-02	1.15E-01	pCi/g	NO	<b>Eu-155</b>	2.73E-01	2.20E-01
6.76E-02	9.36E-02	pCi/g	NO	<b>Ho-166m</b>	-2.74E-02	9.34E-02
1.24E-01	2.10E-01	pCi/g	YES	<b>Tl-208</b>	5.19E-01	5.22E-01
1.05E+00	1.75E+00	pCi/g	NO	<b>Pb-210</b>	1.74E+00	1.62E+00
9.77E-02	1.33E-01	pCi/g	YES	<b>Pb-212</b>	5.17E-01	2.59E-01
1.21E-01	2.08E-01	pCi/g	YES	<b>Pb-214</b>	5.43E-01	2.36E-01
1.24E-01	1.96E-01	pCi/g	YES	<b>Bi-214</b>	6.13E-01	3.31E-01
1.24E-01	1.96E-01	pCi/g	YES	<b>Ra-226</b>	6.13E-01	3.31E-01
1.52E-01	3.38E-01	pCi/g	YES	<b>Ac-228</b>	3.94E-01	4.94E-01
7.84E-01	1.30E+00	pCi/g	NO	<b>Th-234</b>	2.88E+00	1.47E+00
2.46E-01	3.09E-01	pCi/g	NO	<b>U-235</b>	-4.83E-01	5.38E-01
5.68E-02	1.23E-01	pCi/g	NO	<b>Np-237</b>	3.08E-02	4.71E-02
3.38E-02	1.06E-01	pCi/g	NO	<b>Pu-238</b>	-9.66E-03	5.73E-02
3.11E-02	7.38E-02	pCi/g	NO	<b>Pu-239/240</b>	0.00E+00	7.76E-02
		pCi/g	NO	<b>Pu-241</b>	-5.09E+00	7.05E+00
6.86E-02	1.02E-01	pCi/g	NO	<b>Am-241</b>	0.00E+00	7.20E-02
4.75E-02	1.46E-01	pCi/g	NO	<b>Am-243</b>	6.94E-02	6.60E-02
7.04E-02	1.05E-01	pCi/g	NO	<b>Cm-243/244</b>	8.75E-02	1.12E-01



## CV (0.0-0.5 in)

MDC		>MDC
6.72E+00	pCi/g	NO
7.22E-01	pCi/g	NO
4.07E+00	pCi/g	YES
1.72E+02	pCi/g	NO
5.01E+00	pCi/g	NO
6.23E-01	pCi/g	NO
9.76E-01	pCi/g	NO
2.39E+00	pCi/g	NO
7.86E-02	pCi/g	NO
4.07E-01	pCi/g	NO
3.67E-01	pCi/g	NO
8.77E-01	pCi/g	YES
3.97E-01	pCi/g	NO
1.32E+01	pCi/g	NO
1.79E+00	pCi/g	NO
1.35E+00	pCi/g	NO
3.41E+00	pCi/g	NO
1.24E+00	pCi/g	YES
2.01E+00	pCi/g	NO
1.09E+01	pCi/g	NO
1.74E+00	pCi/g	NO
1.10E+00	pCi/g	NO
2.67E+00	pCi/g	NO
5.09E-01	pCi/g	NO
1.60E+00	pCi/g	NO
1.18E+01	pCi/g	NO
1.20E+00	pCi/g	YES
1.50E+00	pCi/g	NO
1.35E+00	pCi/g	YES
1.35E+00	pCi/g	YES
1.36E+00	pCi/g	NO
8.23E+00	pCi/g	YES
2.56E+00	pCi/g	NO
1.41E-01	pCi/g	NO
7.66E-02	pCi/g	NO
6.31E-02	pCi/g	NO
9.75E+00	pCi/g	NO
7.91E-02	pCi/g	NO
9.10E-02	pCi/g	NO
9.06E-02	pCi/g	NO

## B2-06207-CJFC-002-CV (0.5-1.0 in)

Result	Uncertainty	MDC
<b>H-3</b>	1.68E+01	2.85E+00
<b>C-14</b>	-5.72E-01	4.16E-01
<b>K-40</b>	8.26E+00	4.00E+00
<b>Mn-54</b>	1.52E+02	1.13E+02
<b>Fe-55</b>	1.33E+00	2.03E+00
<b>Ni-59</b>	-9.01E-02	2.70E-01
<b>Co-60</b>	-4.33E-01	8.71E-01
<b>Ni-63</b>	6.54E-01	1.46E+00
<b>Sr-90</b>	3.03E-02	3.19E-02
<b>Mo-93</b>	6.13E-02	3.58E-01
<b>Nb-94</b>	4.25E-02	2.08E-01
<b>Tc-99</b>	1.44E+00	7.71E-01
<b>Ag-108m</b>	2.47E-02	2.95E-01
<b>Sb-125</b>	-7.89E-01	5.00E+00
<b>I-129</b>	-5.58E-01	6.61E-01
<b>Ba-133</b>	-1.97E-01	2.21E-01
<b>Cs-134</b>	9.41E-01	2.21E+00
<b>Cs-137</b>	3.26E-01	2.79E-01
<b>Pm-145</b>	4.25E-01	6.14E-01
<b>Pm-147</b>	6.85E+00	6.24E+00
<b>Eu-152</b>	5.78E-01	1.65E+00
<b>Eu-154</b>	-3.58E-01	1.78E+00
<b>Eu-155</b>	-3.86E-01	1.09E+00
<b>Ho-166m</b>	-1.22E-01	3.26E-01
<b>Tl-208</b>	6.89E-01	7.54E-01
<b>Pb-210</b>	4.78E+00	5.36E+00
<b>Pb-212</b>	6.90E-01	5.48E-01
<b>Pb-214</b>	9.64E-01	6.42E-01
<b>Bi-214</b>	1.21E+00	5.17E-01
<b>Ra-226</b>	1.21E+00	5.17E-01
<b>Ac-228</b>	7.35E-01	1.19E+00
<b>Th-234</b>	5.22E+00	3.10E+00
<b>U-235</b>	2.39E-01	1.05E+00
<b>Np-237</b>	8.56E-03	3.57E-02
<b>Pu-238</b>	-2.31E-02	3.70E-02
<b>Pu-239/240</b>	3.72E-02	5.55E-02
<b>Pu-241</b>	7.07E-01	5.49E+00
<b>Am-241</b>	-3.01E-03	3.40E-02
<b>Am-243</b>	5.26E-02	6.88E-02
<b>Cm-243/244</b>	2.09E-02	4.52E-02

## CV (1.0-1.5 in)

## B1-06201A-FSFC-009-CV



MDC			>MDC			Result			Uncertainty			MDC		
5.67E+00	pCi/g	NO	<b>H-3</b>	1.17E+01	4.75E+00	7.66E+00	pCi/g							
7.05E-01	pCi/g	NO	<b>C-14</b>	-4.50E-01	4.10E-01	7.09E-01	pCi/g							
4.43E+00	pCi/g	YES	<b>K-40</b>	6.58E+00	1.94E+00	1.53E+00	pCi/g							
1.53E+02	pCi/g	NO	<b>Mn-54</b>	2.51E-01	4.82E-01	8.79E-01	pCi/g							
4.30E+00	pCi/g	NO	<b>Fe-55</b>	6.12E-02	1.81E-01	3.01E-01	pCi/g							
4.90E-01	pCi/g	NO	<b>Ni-59</b>	-6.01E-02	1.01E-01	1.47E-01	pCi/g							
9.02E-01	pCi/g	NO	<b>Co-60</b>	7.93E-02	1.70E-01	2.40E-01	pCi/g							
2.41E+00	pCi/g	NO	<b>Ni-63</b>	-1.15E+00	1.34E+00	2.34E+00	pCi/g							
7.23E-02	pCi/g	NO	<b>Sr-90</b>	3.52E-02	3.18E-02	6.39E-02	pCi/g							
5.22E-01	pCi/g	NO	<b>Mo-93</b>	4.33E-03	3.59E-02	1.53E-01	pCi/g							
3.66E-01	pCi/g	NO	<b>Nb-94</b>	-7.29E-02	1.18E-01	1.64E-01	pCi/g							
1.01E+00	pCi/g	YES	<b>Tc-99</b>	1.25E+00	4.99E-01	8.11E-01	pCi/g							
3.16E-01	pCi/g	NO	<b>Ag-108m</b>	6.34E-03	8.47E-02	1.16E-01	pCi/g							
4.52E+00	pCi/g	NO	<b>Sb-125</b>	-1.62E-01	4.45E-01	5.66E-01	pCi/g							
7.18E-01	pCi/g	NO	<b>I-129</b>	1.19E-01	2.30E-01	3.53E-01	pCi/g							
6.46E-01	pCi/g	NO	<b>Ba-133</b>	-3.64E-02	6.07E-02	2.42E-01	pCi/g							
4.45E+00	pCi/g	NO	<b>Cs-134</b>	-5.48E-01	3.24E-01	3.20E-01	pCi/g							
5.26E-01	pCi/g	NO	<b>Cs-137</b>	1.33E-01	1.02E-01	1.94E-01	pCi/g							
9.62E-01	pCi/g	NO	<b>Pm-145</b>	-1.23E-01	2.06E-01	2.91E-01	pCi/g							
1.10E+01	pCi/g	NO	<b>Pm-147</b>	1.04E-01	1.49E+00	2.54E+00	pCi/g							
1.24E+00	pCi/g	NO	<b>Eu-152</b>	1.47E-01	4.22E-01	3.13E-01	pCi/g							
8.31E-01	pCi/g	NO	<b>Eu-154</b>	-3.10E-01	4.61E-01	1.68E-01	pCi/g							
2.26E+00	pCi/g	NO	<b>Eu-155</b>	1.08E-01	7.09E-02	2.55E-01	pCi/g							
3.56E-01	pCi/g	NO	<b>Ho-166m</b>	-1.33E-01	1.86E-01	1.29E-01	pCi/g							
1.28E+00	pCi/g	NO	<b>Tl-208</b>	3.62E-01	2.15E-01	3.92E-01	pCi/g							
7.23E+00	pCi/g	NO	<b>Pb-210</b>	1.05E+00	1.33E+00	2.10E+00	pCi/g							
7.79E-01	pCi/g	NO	<b>Pb-212</b>	2.66E-01	1.64E-01	2.73E-01	pCi/g							
9.57E-01	pCi/g	NO	<b>Pb-214</b>	5.14E-01	2.22E-01	4.05E-01	pCi/g							
4.88E-01	pCi/g	YES	<b>Bi-214</b>	4.04E-01	2.80E-01	4.96E-01	pCi/g							
4.88E-01	pCi/g	YES	<b>Ra-226</b>	4.04E-01	2.80E-01	4.96E-01	pCi/g							
1.67E+00	pCi/g	NO	<b>Ac-228</b>	4.45E-01	4.01E-01	7.76E-01	pCi/g							
9.59E+00	pCi/g	NO	<b>Th-234</b>	1.74E+00	1.21E+00	1.97E+00	pCi/g							
1.71E+00	pCi/g	NO	<b>U-235</b>	-2.41E-01	4.73E-01	6.52E-01	pCi/g							
1.06E-01	pCi/g	NO	<b>Np-237</b>	8.04E-02	7.59E-02	9.34E-02	pCi/g							
1.17E-01	pCi/g	NO	<b>Pu-238</b>	0.00E+00	6.16E-02	1.33E-01	pCi/g							
1.17E-01	pCi/g	NO	<b>Pu-239/240</b>	0.00E+00	6.07E-02	1.31E-01	pCi/g							
1.40E+01	pCi/g	NO	<b>Pu-241</b>	-3.00E+00	6.57E+00	1.13E+01	pCi/g							
6.05E-02	pCi/g	NO	<b>Am-241</b>	5.87E-02	6.39E-02	7.67E-02	pCi/g							
1.02E-01	pCi/g	NO	<b>Am-243</b>	4.50E-02	5.44E-02	6.63E-02	pCi/g							
6.05E-02	pCi/g	NO	<b>Cm-243/244</b>	5.16E-02	6.78E-02	1.03E-01	pCi/g							

'C-033CV

B1-06202A-FSFC-028-CV

MDC			>MDC			Result			Uncertainty			MDC		
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4.34E+00	pCi/g	NO	<b>H-3</b>	-1.64E+00	2.47E+00	4.31E+00	pCi/g
7.24E-01	pCi/g	NO	<b>C-14</b>	-5.11E-01	3.98E-01	6.90E-01	pCi/g
2.50E+00	pCi/g	YES	<b>K-40</b>	4.81E+00	1.57E+00	2.72E-01	pCi/g
9.36E-01	pCi/g	NO	<b>Mn-54</b>	3.82E-01	3.05E-01	6.46E-01	pCi/g
3.25E-01	pCi/g	NO	<b>Fe-55</b>	1.29E-01	2.13E-01	3.66E-01	pCi/g
1.57E-01	pCi/g	NO	<b>Ni-59</b>	-8.48E-02	1.22E-01	1.77E-01	pCi/g
2.67E-01	pCi/g	NO	<b>Co-60</b>	1.82E-02	1.37E-01	1.99E-01	pCi/g
2.26E+00	pCi/g	NO	<b>Ni-63</b>	-2.61E-01	1.34E+00	2.30E+00	pCi/g
6.18E-02	pCi/g	NO	<b>Sr-90</b>	6.26E-03	3.47E-02	7.33E-02	pCi/g
1.73E-01	pCi/g	NO	<b>Mo-93</b>	-1.15E-02	8.95E-02	1.39E-01	pCi/g
1.92E-01	pCi/g	NO	<b>Nb-94</b>	-7.20E-03	8.29E-02	1.31E-01	pCi/g
8.74E-01	pCi/g	YES	<b>Tc-99</b>	1.52E+00	6.87E-01	1.12E+00	pCi/g
1.67E-01	pCi/g	NO	<b>Ag-108m</b>	-6.72E-03	1.04E-01	1.18E-01	pCi/g
7.41E-01	pCi/g	NO	<b>Sb-125</b>	-9.19E-02	3.64E-01	5.32E-01	pCi/g
3.84E-01	pCi/g	NO	<b>I-129</b>	-1.48E-01	2.50E-01	3.82E-01	pCi/g
3.01E-01	pCi/g	NO	<b>Ba-133</b>	-3.66E-02	5.87E-02	2.14E-01	pCi/g
3.37E-01	pCi/g	NO	<b>Cs-134</b>	5.93E-03	9.72E-02	2.32E-01	pCi/g
2.03E-01	pCi/g	NO	<b>Cs-137</b>	-5.27E-02	1.18E-01	1.42E-01	pCi/g
3.58E-01	pCi/g	NO	<b>Pm-145</b>	4.40E-02	2.26E-01	3.76E-01	pCi/g
2.48E+00	pCi/g	NO	<b>Pm-147</b>	0.00E+00	1.39E+00	2.38E+00	pCi/g
3.42E-01	pCi/g	NO	<b>Eu-152</b>	3.91E-02	2.30E-01	3.37E-01	pCi/g
1.79E-01	pCi/g	NO	<b>Eu-154</b>	-4.03E-02	3.20E-01	1.75E-01	pCi/g
3.54E-01	pCi/g	NO	<b>Eu-155</b>	1.07E-01	1.90E-01	3.72E-01	pCi/g
1.43E-01	pCi/g	NO	<b>Ho-166m</b>	-9.49E-02	1.41E-01	1.24E-01	pCi/g
8.58E-01	pCi/g	NO	<b>Tl-208</b>	3.83E-01	2.69E-01	5.03E-01	pCi/g
2.69E+00	pCi/g	NO	<b>Pb-210</b>	2.32E+00	2.64E+00	4.40E+00	pCi/g
4.00E-01	pCi/g	YES	<b>Pb-212</b>	4.25E-01	1.64E-01	3.32E-01	pCi/g
6.82E-01	pCi/g	NO	<b>Pb-214</b>	7.18E-01	2.36E-01	3.71E-01	pCi/g
4.93E-01	pCi/g	YES	<b>Bi-214</b>	5.91E-01	2.47E-01	3.64E-01	pCi/g
4.93E-01	pCi/g	YES	<b>Ra-226</b>	5.91E-01	2.47E-01	3.64E-01	pCi/g
9.25E-01	pCi/g	NO	<b>Ac-228</b>	3.51E-01	3.31E-01	6.38E-01	pCi/g
2.45E+00	pCi/g	YES	<b>Th-234</b>	1.45E+00	1.48E+00	2.51E+00	pCi/g
7.21E-01	pCi/g	NO	<b>U-235</b>	2.27E-01	4.23E-01	6.64E-01	pCi/g
7.03E-02	pCi/g	NO	<b>Np-237</b>	6.06E-02	6.23E-02	6.61E-02	pCi/g
1.36E-01	pCi/g	NO	<b>Pu-238</b>	1.52E-02	3.65E-02	7.67E-02	pCi/g
1.68E-01	pCi/g	NO	<b>Pu-239/240</b>	0.00E+00	5.02E-02	1.09E-01	pCi/g
1.22E+01	pCi/g	NO	<b>Pu-241</b>	-4.06E+00	4.40E+00	7.67E+00	pCi/g
1.56E-01	pCi/g	NO	<b>Am-241</b>	4.11E-02	5.32E-02	7.38E-02	pCi/g
7.13E-02	pCi/g	NO	<b>Am-243</b>	2.68E-02	4.56E-02	8.05E-02	pCi/g
1.66E-01	pCi/g	NO	<b>Cm-243/244</b>	8.09E-03	3.38E-02	8.67E-02	pCi/g

**B2-06104-CJFC-003-CV (0.5-1.0 in)**

>MDC		Result	Uncertainty	MDC		>MDC
YES	H-3	2.53E+00	5.23E+00	8.88E+00	pCi/g	NO
NO	C-14	-5.36E-01	4.18E-01	7.23E-01	pCi/g	NO
YES	K-40	8.98E+00	4.02E+00	5.04E+00	pCi/g	YES
NO	Mn-54	1.60E+01	1.09E+02	1.66E+02	pCi/g	NO
NO	Fe-55	-1.09E+00	3.64E+00	5.66E+00	pCi/g	NO
NO	Ni-59	1.70E-01	4.26E-01	6.94E-01	pCi/g	NO
NO	Co-60	-3.32E-01	8.60E-01	1.28E+00	pCi/g	NO
NO	Ni-63	7.16E-01	1.40E+00	2.37E+00	pCi/g	NO
NO	Sr-90	2.47E-02	3.25E-02	6.69E-02	pCi/g	NO
NO	Mo-93	1.71E-01	4.80E-01	7.42E-01	pCi/g	NO
NO	Nb-94	-1.15E-01	3.22E-01	4.30E-01	pCi/g	NO
YES	Tc-99	1.19E+00	6.58E-01	1.09E+00	pCi/g	YES
NO	Ag-108m	-7.04E-02	3.67E-01	4.60E-01	pCi/g	NO
NO	Sb-125	-5.56E+00	5.48E+00	6.63E+00	pCi/g	NO
NO	I-129	5.24E-02	9.61E-01	1.43E+00	pCi/g	NO
NO	Ba-133	4.38E-01	8.10E-01	1.05E+00	pCi/g	NO
NO	Cs-134	1.02E+00	2.10E+00	5.99E+00	pCi/g	NO
NO	Cs-137	3.56E-01	3.72E-01	6.10E-01	pCi/g	NO
NO	Pm-145	-1.62E-01	1.05E+00	1.53E+00	pCi/g	NO
NO	Pm-147	7.04E+00	6.42E+00	1.07E+01	pCi/g	NO
NO	Eu-152	-1.50E-01	1.27E+00	1.66E+00	pCi/g	NO
NO	Eu-154	-3.98E-01	1.63E+00	1.06E+00	pCi/g	NO
NO	Eu-155	-1.92E-01	1.88E+00	2.62E+00	pCi/g	NO
NO	Ho-166m	1.30E-01	6.04E-01	4.80E-01	pCi/g	NO
NO	Tl-208	6.71E-01	9.50E-01	1.50E+00	pCi/g	NO
NO	Pb-210	5.72E+00	6.74E+00	1.07E+01	pCi/g	NO
NO	Pb-212	7.56E-01	5.05E-01	8.45E-01	pCi/g	NO
NO	Pb-214	1.74E+00	7.04E-01	1.32E+00	pCi/g	YES
YES	Bi-214	1.86E+00	6.26E-01	5.49E-01	pCi/g	YES
YES	Ra-226	1.86E+00	6.26E-01	5.49E-01	pCi/g	YES
NO	Ac-228	5.98E-01	1.37E+00	2.14E+00	pCi/g	NO
NO	Th-234	8.27E+00	6.51E+00	1.07E+01	pCi/g	NO
NO	U-235	2.13E-01	1.55E+00	2.36E+00	pCi/g	NO
NO	Np-237	1.09E-01	9.42E-02	1.09E-01	pCi/g	YES
NO	Pu-238	-3.67E-02	5.56E-02	1.99E-01	pCi/g	NO
NO	Pu-239/240	3.66E-02	7.87E-02	1.53E-01	pCi/g	NO
NO	Pu-241	-3.78E+00	7.23E+00	1.25E+01	pCi/g	NO
NO	Am-241	7.15E-02	7.41E-02	9.34E-02	pCi/g	NO
NO	Am-243	3.01E-02	4.60E-02	6.86E-02	pCi/g	NO
NO	Cm-243/244	1.13E-01	9.43E-02	1.09E-01	pCi/g	YES

**B1-06201A-FSWC-041-CV**

>MDC		Result	Uncertainty	MDC		>MDC
YES	<b>H-3</b>	2.01E-01	2.46E+00	4.22E+00	pCi/g	NO
NO	<b>C-14</b>	-5.44E-01	3.95E-01	6.85E-01	pCi/g	NO
YES	<b>K-40</b>	7.55E+00	1.55E+00	1.06E+00	pCi/g	YES
NO	<b>Mn-54</b>	1.57E-01	3.51E-01	5.42E-01	pCi/g	NO
NO	<b>Fe-55</b>	2.69E-01	2.01E-01	3.60E-01	pCi/g	NO
NO	<b>Ni-59</b>	9.54E-04	1.12E-01	1.73E-01	pCi/g	NO
NO	<b>Co-60</b>	8.04E-02	1.03E-01	1.64E-01	pCi/g	NO
NO	<b>Ni-63</b>	2.70E-01	1.40E+00	2.38E+00	pCi/g	NO
NO	<b>Sr-90</b>	1.39E-02	3.21E-02	6.72E-02	pCi/g	NO
NO	<b>Mo-93</b>	-8.40E-02	9.25E-02	1.05E-01	pCi/g	NO
NO	<b>Nb-94</b>	-6.12E-02	8.42E-02	1.00E-01	pCi/g	NO
YES	<b>Tc-99</b>	8.04E-02	1.03E-01	1.64E-01	pCi/g	NO
NO	<b>Ag-108m</b>	-2.18E-02	8.65E-02	9.77E-02	pCi/g	NO
NO	<b>Sb-125</b>	-3.39E-01	3.60E-01	4.37E-01	pCi/g	NO
NO	<b>I-129</b>	-1.12E-01	2.33E-01	3.28E-01	pCi/g	NO
NO	<b>Ba-133</b>	8.07E-03	4.04E-02	1.98E-01	pCi/g	NO
NO	<b>Cs-134</b>	2.04E-02	8.76E-02	2.58E-01	pCi/g	NO
NO	<b>Cs-137</b>	4.16E-02	9.19E-02	1.48E-01	pCi/g	NO
NO	<b>Pm-145</b>	-1.33E-01	2.00E-01	2.81E-01	pCi/g	NO
NO	<b>Pm-147</b>	1.50E+00	1.46E+00	2.44E+00	pCi/g	NO
NO	<b>Eu-152</b>	-5.95E-02	1.78E-01	3.18E-01	pCi/g	NO
NO	<b>Eu-154</b>	1.42E-03	2.19E-01	1.67E-01	pCi/g	NO
NO	<b>Eu-155</b>	2.26E-01	1.55E-01	3.12E-01	pCi/g	NO
NO	<b>Ho-166m</b>	-8.18E-02	1.38E-01	1.34E-01	pCi/g	NO
NO	<b>Tl-208</b>	4.02E-01	1.62E-01	2.77E-01	pCi/g	YES
NO	<b>Pb-210</b>	2.84E-01	1.47E+00	2.20E+00	pCi/g	NO
NO	<b>Pb-212</b>	4.33E-01	1.33E-01	3.05E-01	pCi/g	YES
YES	<b>Pb-214</b>	5.07E-01	2.06E-01	3.75E-01	pCi/g	YES
NO	<b>Bi-214</b>	6.56E-01	1.93E-01	2.88E-01	pCi/g	YES
NO	<b>Ra-226</b>	6.56E-01	1.93E-01	2.88E-01	pCi/g	YES
NO	<b>Ac-228</b>	4.55E-01	2.61E-01	6.33E-01	pCi/g	NO
NO	<b>Th-234</b>	2.18E+00	1.44E+00	2.30E+00	pCi/g	NO
NO	<b>U-235</b>	2.01E-01	4.22E-01	6.52E-01	pCi/g	NO
NO	<b>Np-237</b>	8.45E-02	1.04E-01	1.59E-01	pCi/g	NO
NO	<b>Pu-238</b>	3.87E-01	1.89E-01	1.26E-01	pCi/g	YES
NO	<b>Pu-239/240</b>	1.35E-01	1.33E-01	1.93E-01	pCi/g	NO
NO	<b>Pu-241</b>	-3.21E+00	6.15E+00	1.06E+01	pCi/g	NO
NO	<b>Am-241</b>	2.03E-02	4.39E-02	8.66E-02	pCi/g	NO
NO	<b>Am-243</b>	5.72E-02	6.19E-02	7.47E-02	pCi/g	NO
NO	<b>Cm-243/244</b>	3.01E-02	4.61E-02	6.86E-02	pCi/g	NO

**B1-06201A-FSWC-050-CV**

>MDC		Result	Uncertainty	MDC		>MDC
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NO	<b>H-3</b>	-2.11E+00	2.82E+00	4.94E+00	pCi/g	NO
NO	<b>C-14</b>	-4.32E-01	4.31E-01	7.43E-01	pCi/g	NO
YES	<b>K-40</b>	6.76E+00	1.60E+00	1.19E+00	pCi/g	YES
NO	<b>Mn-54</b>	4.12E-01	2.81E-01	5.96E-01	pCi/g	NO
NO	<b>Fe-55</b>	-1.59E-01	2.09E-01	3.10E-01	pCi/g	NO
NO	<b>Ni-59</b>	4.91E-02	9.92E-02	1.63E-01	pCi/g	NO
NO	<b>Co-60</b>	5.60E-02	1.07E-01	9.84E-02	pCi/g	NO
NO	<b>Ni-63</b>	-2.51E-01	1.29E+00	2.22E+00	pCi/g	NO
NO	<b>Sr-90</b>	3.74E-02	2.73E-02	5.36E-02	pCi/g	NO
NO	<b>Mo-93</b>	-3.64E-03	8.99E-02	8.10E-02	pCi/g	NO
NO	<b>Nb-94</b>	3.50E-02	5.56E-02	1.07E-01	pCi/g	NO
YES	<b>Tc-99</b>	1.95E+00	6.63E-01	1.07E+00	pCi/g	YES
NO	<b>Ag-108m</b>	-3.07E-03	4.06E-02	7.77E-02	pCi/g	NO
NO	<b>Sb-125</b>	1.56E-01	2.06E-01	4.03E-01	pCi/g	NO
NO	<b>I-129</b>	-1.44E-02	1.63E-01	2.20E-01	pCi/g	NO
NO	<b>Ba-133</b>	3.42E-02	4.79E-02	1.24E-01	pCi/g	NO
NO	<b>Cs-134</b>	-5.69E-01	2.75E-01	2.06E-01	pCi/g	NO
NO	<b>Cs-137</b>	2.08E-02	8.62E-02	1.41E-01	pCi/g	NO
NO	<b>Pm-145</b>	-5.52E-02	2.10E-01	2.68E-01	pCi/g	NO
NO	<b>Pm-147</b>	6.88E-01	1.41E+00	2.39E+00	pCi/g	NO
NO	<b>Eu-152</b>	1.97E-01	3.07E-01	3.07E-01	pCi/g	NO
NO	<b>Eu-154</b>	1.50E-02	1.77E-01	1.69E-01	pCi/g	NO
NO	<b>Eu-155</b>	-2.38E-01	2.57E-01	2.96E-01	pCi/g	NO
NO	<b>Ho-166m</b>	3.01E-02	1.41E-01	1.16E-01	pCi/g	NO
NO	<b>Tl-208</b>	3.40E-01	2.15E-01	4.48E-01	pCi/g	NO
NO	<b>Pb-210</b>	8.34E-01	1.61E+00	2.26E+00	pCi/g	NO
YES	<b>Pb-212</b>	3.56E-01	1.17E-01	3.38E-01	pCi/g	YES
YES	<b>Pb-214</b>	5.46E-01	2.16E-01	2.99E-01	pCi/g	YES
YES	<b>Bi-214</b>	5.48E-01	2.80E-01	1.48E-01	pCi/g	YES
YES	<b>Ra-226</b>	5.48E-01	2.80E-01	1.48E-01	pCi/g	YES
NO	<b>Ac-228</b>	4.43E-01	3.04E-01	5.97E-01	pCi/g	NO
NO	<b>Th-234</b>	1.55E+00	1.46E+00	2.14E+00	pCi/g	NO
NO	<b>U-235</b>	1.10E-01	4.23E-01	5.79E-01	pCi/g	NO
NO	<b>Np-237</b>	3.20E-02	6.21E-02	1.17E-01	pCi/g	NO
NO	<b>Pu-238</b>	-2.35E-02	4.24E-02	1.30E-01	pCi/g	NO
NO	<b>Pu-239/240</b>	1.28E-02	3.92E-02	9.29E-02	pCi/g	NO
NO	<b>Pu-241</b>	-3.72E+00	4.72E+00	8.20E+00	pCi/g	NO
NO	<b>Am-241</b>	5.86E-02	6.93E-02	1.01E-01	pCi/g	NO
NO	<b>Am-243</b>	6.93E-02	8.16E-02	1.20E-01	pCi/g	NO
NO	<b>Cm-243/244</b>	1.21E-01	9.36E-02	9.30E-02	pCi/g	YES

## Calculation of Drilling Spoil Intruder Dose From Zion Turbine Fire Sump Sediment

### Inputs to Calculation

34.5 pCi/g	Cs-137 Fire Sump Sediment from RAI #2
0.181 pCi/g	Co-60 Fire Sump Sediment from RAI #2
1.5 g/cm <sup>3</sup>	Sediment density
1.00E+04 cm <sup>2</sup> /m <sup>2</sup>	conversion factor
1.00E+00 cm	unit sediment depth

### LTP Chapter 5, Table 5 2

#### Dose Significant Radionuclides and Mixture

Radionuclide	Auxiliary Building <sup>1</sup> % of Total Activity (normalized)
Co-60	0.92%
Cs-134	0.01%
Cs-137	75.32%
Ni-63	23.71%
Sr-90	0.05%

(1) Per LTP Chapter 6, Auxiliary Building mixture applies to Turbine Building

### LTP Chapter 6, Table 6 25

#### Adjusted BFM Drilling Spoils Scenario DCGL<sub>BS</sub> (Adjusted for IC Dose)

Nuclide	Turbine (pCi/m <sup>2</sup> )
Co-60	9.13E+07
Cs-134	1.58E+08
Cs-137	3.73E+08
Ni-63	4.71E+13
Sr-90	1.90E+10

### LTP Chapter 5, Table 5 15

#### Surrogate Ratios

Ratios	Auxiliary Building Max
H-3/Cs-137	N/A
Ni-63/Co-60	180.45
Sr-90/Cs-137	0.002

### Drilling Spoils Dose per cm of Sediment Thickness

Co-60	7.43E-04 mrem/yr
Cs-134	1.09E-05 mrem/yr

Cs-137	3.47E-02 mrem/yr
Ni-63	2.60E-07 mrem/yr
Sr-90	1.36E-06 mrem/yr
sum	3.54E-02 mrem/yr

**Drilling Spoils Intruder Dose at 2 cm, 8 cm, and 2 inch Sediment Thickness Turbine Building Fir**

2 cm sediment thickness	7.09E-02 mrem/yr
8 cm sediment thickness	2.84E-01 mrem/yr
2 inch sediment thickness	1.80E-01 mrem/yr







**TSD-019, Radionuclides of Concern for Soil and Basement Fill Model Source Terms**

**Table 27 – DCGLs for Concrete Structures**

<b>Radionuclide</b>	<b>CTMT (pCi/m2)</b>	<b>Auxiliary Bldg (pCi/m2)</b>
H-3	2.64E+08	5.58E+08
C-14	2.53E+07	5.33E+07
Fe-55	4.76E+11	4.28E+12
Ni-59	1.22E+10	2.57E+10
Co-60	1.74E+08	3.20E+08
Ni-63	4.46E+09	1.21E+10
Sr-90	1.59E+06	1.05E+07
Nb-94	2.50E+08	2.46E+08
Tc-99	1.11E+07	2.34E+07
Ag-108m	1.55E+08	1.94E+08
Sb-125	3.62E+07	2.63E+08
Cs-134	3.34E+07	2.22E+08
Cs-137	4.37E+07	1.17E+08
Pm-147	1.26E+10	1.15E+11
Eu-152	4.07E+08	6.81E+08
Eu-154	3.54E+08	6.14E+08
Eu-155	5.24E+09	1.19E+10
Np-237	3.36E+04	7.04E+04
Pu-238	6.99E+06	1.64E+07
Pu-239/240	6.29E+06	1.32E+07
Pu-241	1.96E+08	7.56E+08
Am-241	6.25E+06	1.34E+07
Am-243	6.25E+06	1.31E+07
Cm-243/244	4.57E+07	1.28E+08

**Table 28 – DCGI**

<b>Radionuclide</b>
H-3
C-14
Fe-55
Ni-59
Co-60
Ni-63
Sr-90
Nb-94
Tc-99
Ag-108m
Sb-125
Cs-134
Cs-137
Pm-147
Eu-152
Eu-154
Eu-155
Np-237
Pu-238
Pu-239/240
Pu-241
Am-241
Am-243
Cm-243/244

**Table 5-15 - Surrogate Ratios**

<b>Ratios</b>	<b>Containment</b>			<b>Mean</b>
	<b>Mean</b>	<b>Max</b>	<b>95%UCL</b>	
H-3/Cs-137	0.208	1.76	0.961	N/A
Ni-63/Co-60	30.623	442	193.91	44.143
Sr-90/Cs-137	0.002	0.021	0.01	0.001

**LTP CHAPTER 5**

**Table 5-3 - BcDCGLs for Structures (pCi/m<sup>2</sup>)**

<b>Nuclide</b>	<b>Auxiliary Building</b>	<b>Containment</b>	<b>SFP/Transfer Canal</b>	<b>Turbine Building</b>
H-3	5.30E+08	2.38E+08	2.38E+08	1.29E+08
Co-60	3.04E+08	1.57E+08	1.57E+08	7.03E+07
Ni-63	1.15E+10	4.02E+09	4.02E+09	2.18E+09

Sr-90	9.98E+06	1.43E+06	1.43E+06	7.74E+05
Cs-134	2.11E+08	3.01E+07	3.01E+07	1.59E+07
Cs-137	1.11E+08	3.94E+07	3.94E+07	2.11E+07
Eu-152	6.47E+08	3.66E+08	3.66E+08	1.62E+08
Eu-154	5.83E+08	3.19E+08	3.19E+08	1.43E+08

**Table 5-5 - BcDCGLs for Surface Soil**

<b>Radionuclide</b>	<b>Surface Soil DCGL (pCi/g)</b>
Co-60	4.26
Ni-63	3572.1
Sr-90	12.09
Cs-134	6.77
Cs-137	14.18

**Table 5-6 - BcDC**

<b>Radionuclide</b>
Co-60
Ni-63
Sr-90
Cs-134
Cs-137

**Table 5-9 - BcDCGLs for Buried Pipe**

<b>Radionuclide</b>	<b>DCGL (dpm/100cm<sup>2</sup>)</b>
Co-60	2.64E+04
Ni-63	4.89E+07
Sr-90	4.50E+04
Cs-134	4.54E+04
Cs-137	1.01E+05

**Table 5-11 - BcDCGLs for Embedded Pipe**

<b>Radionuclide</b>	<b>Aux Bldg. Embedded Floor Drains (pCi/m<sup>2</sup>)</b>	<b>Turbine Bldg. Embedded Floor Drains (pCi/m<sup>2</sup>)</b>	<b>Unit 1 CTMT In- Core Sump EP (pCi/m<sup>2</sup>)</b>	<b>Steam Tunnel EP Floor Drains (pCi/m<sup>2</sup>)</b>
H-3	N/A	N/A	8.28E+09	N/A
Co-60	7.33E+09	6.31E+09	5.47E+09	4.07E+10
Ni-63	2.78E+11	1.96E+11	1.40E+11	1.26E+12
Sr-90	2.41E+08	6.94E+07	4.98E+07	4.48E+08
Cs-134	5.10E+09	1.43E+09	1.05E+09	9.22E+09
Cs-137	2.68E+09	1.89E+09	1.37E+09	1.22E+10
Eu-152	N/A	N/A	1.28E+10	N/A
Eu-154	N/A	N/A	1.11E+10	N/A

**Table 5-13 - BcDCGLs for Penetrations**

<b>Radionuclide</b>	<b>Auxiliary Bldg.</b>	<b>Unit 1/Unit 2 Containment</b>	<b>Turbine Bldg.</b>
---------------------	------------------------	--------------------------------------	----------------------

	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )
H-3	3.99E+09	3.42E+09	3.23E+09
Co-60	8.82E+07	2.26E+09	1.76E+09
Ni-63	6.79E+10	5.78E+10	5.48E+10
Sr-90	2.41E+07	2.06E+07	1.94E+07
Cs-134	3.28E+08	4.32E+08	4.00E+08
Cs-137	6.17E+08	5.66E+08	5.29E+08
Eu-152	3.29E+08	5.26E+09	4.06E+09
Eu-154	2.33E+08	4.58E+09	3.58E+09

#### Most Limiting BcDCGLs for Penetrations

Radionuclide	
H-3	3.23E+09
Co-60	8.82E+07
Ni-63	5.48E+10
Sr-90	1.94E+07
Cs-134	3.28E+08
Cs-137	5.29E+08
Eu-152	3.29E+08
Eu-154	2.33E+08

### Factors for Soils

Soil (pCi/g)
4.58E+03
8.96E+01
3.37E+04
1.09E+04
4.73E+00
3.97E+03
1.34E+01
7.51E+00
1.28E+02
7.40E+00
3.36E+01
7.52E+00
1.58E+01
1.20E+05
1.07E+01
9.97E+00
3.91E+02
8.01E-01
1.62E+02
1.46E+02
6.52E+03
1.34E+02
4.98E+01
7.61E+01

### Conversion Factors

Assumed Area for IC Calculation  
Concrete Density  
Concrete Depth (1/2 inch)  
Area of 3 inch core puck  
Volume of 3 inch puck 1/2 inch thick  
Weight of 3 in 1/2 in thick puck  
Conversion (cm<sup>2</sup> to m<sup>2</sup>)

Auxiliary Building	
Max	95%UCL
N/A	N/A
180.45	154.632
0.002	0.002

Crib House /Forebay	WWTF
1.93E+08	1.71E+07
5.52E+07	2.83E+07
3.25E+09	2.89E+08

**Table 5-4 - OpDCGLs for Structures**

ROC	Auxiliary Building
H-3	1.71E+08
Co-60	9.81E+07
Ni-63	3.71E+09

1.16E+06	1.03E+05
2.13E+07	2.31E+06
2.96E+07	2.93E+06
1.23E+08	7.55E+07
1.12E+08	5.74E+07

#### DCGLs for Subsurface Soil

<b>Subsurface Soil DCGL (pCi/g)</b>
3.44
763.02
1.66
4.44
7.75

Sr-90	3.22E+06
Cs-134	6.81E+07
Cs-137	3.58E+07
Eu-152	2.09E+08
Eu-154	1.88E+08

#### Table 5-7 - OpDCGLs for Surface

<b>Radionuclide</b>	<b>Surface Soil DCGL (pCi/g)</b>
Co-60	1.091
Ni-63	914.458
Sr-90	3.095
Cs-134	1.733
Cs-137	3.63

#### Table 5-10 - OpDCGLs for Buried

<b>Radionuclide</b>	<b>DCGL (dpm/100cm<sup>2</sup>)</b>
Co-60	6.76E+03
Ni-63	1.25E+07
Sr-90	1.15E+04
Cs-134	1.16E+04
Cs-137	2.59E+04

<b>Tendon Tunnel EP Floor Drains (pCi/m<sup>2</sup>)</b>
1.61E+10
1.06E+10
2.72E+11
9.70E+07
2.04E+09
2.67E+09
2.48E+10
2.16E+10

#### Table 5-12 - OpDCGLs for Embed

<b>Radionuclide</b>	<b>Aux Bldg. Embedded Floor Drains (pCi/m<sup>2</sup>)</b>
H-3	N/A
Co-60	7.33E+09
Ni-63	2.78E+11
Sr-90	2.41E+08
Cs-134	5.10E+09
Cs-137	2.68E+09
Eu-152	N/A
Eu-154	N/A

#### Table 5-14- OpDCGLs for Penetra

<b>Radionuclide</b>	<b>Auxiliary Bldg.</b>
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	(pCi/m <sup>2</sup> )
H-3	3.14E+08
Co-60	6.95E+06
Ni-63	5.35E+09
Sr-90	1.90E+06
Cs-134	2.58E+07
Cs-137	4.86E+07
Eu-152	2.59E+07
Eu-154	1.84E+07

**Most Limiting OpDCGLs for Penetration**

Radionuclide	
H-3	2.33E+08
Co-60	6.95E+06
Ni-63	3.93E+09
Sr-90	1.40E+06
Cs-134	2.58E+07
Cs-137	3.85E+07
Eu-152	2.59E+07
Eu-154	1.84E+07

1 m2  
 2.35 g/cm3  
 1.27 cm  
 45.604 cm2  
 57.917 cm3  
 136.104 g  
 10,000 cm2/m2

res (pCi/m2)

Containments (above 565 ft) Under-vessel		SFP/ Transfer Canal	Turbine Building Floors & Walls) (Vater Discharge T	
3.25E+07	2.37E+08	4.98E+07	1.10E+07	5.39E+07
2.15E+07	1.56E+08	3.28E+07	5.98E+06	2.94E+07
5.50E+08	4.00E+09	8.41E+08	1.85E+08	9.11E+08



1.96E+05	1.42E+06	2.99E+05	6.58E+04	3.24E+05
4.12E+06	2.99E+07	6.30E+06	1.35E+06	6.65E+06
5.39E+06	3.92E+07	8.24E+06	1.79E+06	8.82E+06
5.00E+07	3.64E+08	7.66E+07	1.38E+07	6.77E+07
4.36E+07	3.17E+08	6.67E+07	1.22E+07	5.98E+07

## Soil

**Table 5-8 - OpDCGLs for Subsurface Soil**

<b>Radionuclide</b>	<b>Subsurface Soil DCGL (pCi/g)</b>
Co-60	0.881
Ni-63	195.333
Sr-90	0.425
Cs-134	1.137
Cs-137	1.984

## Pipe

### Identified Pipe

<b>Turbine Bldg. Embedded Floor Drains (pCi/m<sup>2</sup>)</b>	<b>Unit 1 CTMT In Core Sump EP (pCi/m<sup>2</sup>)</b>	<b>Steam Tunnel EP Floor Drains (pCi/m<sup>2</sup>)</b>	<b>Tendon Tunnel EP Floor Drains (pCi/m<sup>2</sup>)</b>
N/A	6.62E+08	N/A	3.22E+08
2.52E+08	4.38E+08	1.63E+09	2.12E+08
7.84E+09	1.12E+10	5.04E+10	5.44E+09
2.78E+06	3.98E+06	1.79E+07	1.94E+06
5.72E+07	8.40E+07	3.69E+08	4.08E+07
7.56E+07	1.10E+08	4.88E+08	5.34E+07
N/A	1.02E+09	N/A	4.96E+08
N/A	8.88E+08	N/A	4.32E+08

### Locations

<b>Unit 1/Unit 2 Containment</b>	<b>Turbine Bldg.</b>
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(pCi/m <sup>2</sup> )	(pCi/m <sup>2</sup> )
2.33E+08	2.58E+08
1.54E+08	1.41E+08
3.93E+09	4.38E+09
1.40E+06	1.55E+06
2.94E+07	3.20E+07
3.85E+07	4.23E+07
3.58E+08	3.25E+08
3.11E+08	2.86E+08

concentrations

Most Limiting OpDCGLs for Structures

Radionuclide	
H-3	1.10E+07
Co-60	5.98E+06
Ni-63	1.85E+08
Sr-90	6.58E+04
Cs-134	1.35E+06
Cs-137	1.79E+06
Eu-152	1.38E+07
Eu-154	1.22E+07

Crib House/ Forebay	WWTF
7.43E+07	3.28E+06
2.13E+07	5.43E+06
1.25E+09	5.55E+07

4.47E+05	1.98E+04
8.20E+06	4.44E+05
1.14E+07	5.63E+05
4.74E+07	1.45E+07
4.31E+07	1.10E+07