

Room	L1(ft)	L2(ft)	A(sq-ft)	A(sq-m)	L3 (ft)	L4(ft)	L5(ft)	L6(ft)	L7(ft)	L8(ft)
1001	76	33	2508	233						
1001A	38	40	1520	141						
1002	24	33	792	74						
1002A	15	9	135	13						
1003	44	40	1760	164						
1004	32	40	1280	119						
1005A	138	8	1104	103						
1005B	7	72	728	68	28	8				
1005C	6	70	552	51	9	6	6	13		
1005D	53	8	720	67	12	12	8	19		
1005E	96	13	1248	116						
1005F	133	8	1176	109	14	8				
1005G	7	64	568	53	12	10				
1005H	8	55	624	58	8	23				
1005J	217	7	1519	141						
1007	60	78	4413	410	43	9	15	8		
1007A	43	9	387	36						
1008	30	59	1770	164						
1008A	30	9	270	25						
1009	10	50	500	46						
1010	24	58	1392	129						
1011	58	58	3364	313						
1012	28	48	1584	147	20	12				
1013	32	59	1768	164	12	10				
1013A	12	10	120	11						
1014	45	92	4140	385						
1015	83	86	14276	1326	*Area multiplied by two - Room extends two floors					
1016	36	10	360	33						
1017	40	10	400	37						
1018	82	28	2296	213						
1019	82	28	2296	213						
1020	36	10	360	33						
1021	30	11	330	31						
1022	30	10	300	28						
1023	30	28	840	78						
1024	30	28	840	78						
1025	30	10	300	28						
1026	84	89	23070	2143	6	17	7	16	*Area (x3) - Room extends three floors	
1027	40	92	3680	342						
1028	57	78	4558	423	14	8				
1029	30	59	1770	164						
1029A	30	9	270	25						
1030	10	50	500	46						
1031	25	60	1500	139						
1032	57	58	3306	307						
1033	28	46	1554	144	19	14				
1034	32	16	512	48						
1035	40	44	1984	184	32	7				
1036	33	78	2574	239						
1036A	38	59	2242	208						
1036B	10	22	220	20						

1037	25	22	550	51						
1038	32	13	416	39						
1039	15	28	420	39						
1040	15	28	420	39						
1041	32	16	512	48						
1042	15	30	450	42						
1043	13	30	390	36						
1044	10	7	210	20	*Area multiplied by three - Room extends three floors					
1044A	10	8	80	7						
1045	32	16	292	27	10	7	10	7	10	8
1046	10	7	70	7						
1047	17	16	816	76	*Area multiplied by three - Room extends three floors					
1047A	28	35	708	66	17	16				
1048	28	16	448	42						
1049	17	16	816	76	*Area multiplied by three - Room extends three floors					
1049A	28	35	708	66	17	16				
1050	28	16	448	42						
1051	15	23	345	32						
1052	15	23	345	32						
1053	15	20	300	28						
1054	15	21	315	29						
1201 - 1210	76	32	2432	226						
1211 - 1213 & 1215 - 1222	43	58	3174	295	34	20				
1214	32	18	576	54						
2001	58	78	4659	433	15	9				
2002	29	68	1972	183						
2003	36	69	2276	211	13	16				
2003A	13	16	208	19						
2004	230	90	41400	3846	*Area multiplied by two - Room extends two floors					
2005	75	78	5500	511	25	14				
2005A	25	14	350	33						
2006A	138	7	966	90						
2006B	76	10	760	71						
2006D	88	11	968	90						
2006E	80	7	560	52						
2006F	68	6	408	38						
2006G	173	8	1384	129						
2006H	72	6	432	40						
2006J	87	11	957	89						
2006K	8	82	784	73	16	8				
2007	36	90	2664	247	24	12	24	12		
2007A	24	12	288	27						
2007B	24	12	288	27						
2008	58	78	4660	433	17	8				
2010	29	69	2001	186						
2011	36	67	2412	224						
2011A	17	12	204	19						
2012	78	68	5304	493						
2038	33	13	429	40						
2039	15	30	450	42						
2040	15	30	450	42						
2041	32	16	512	48						

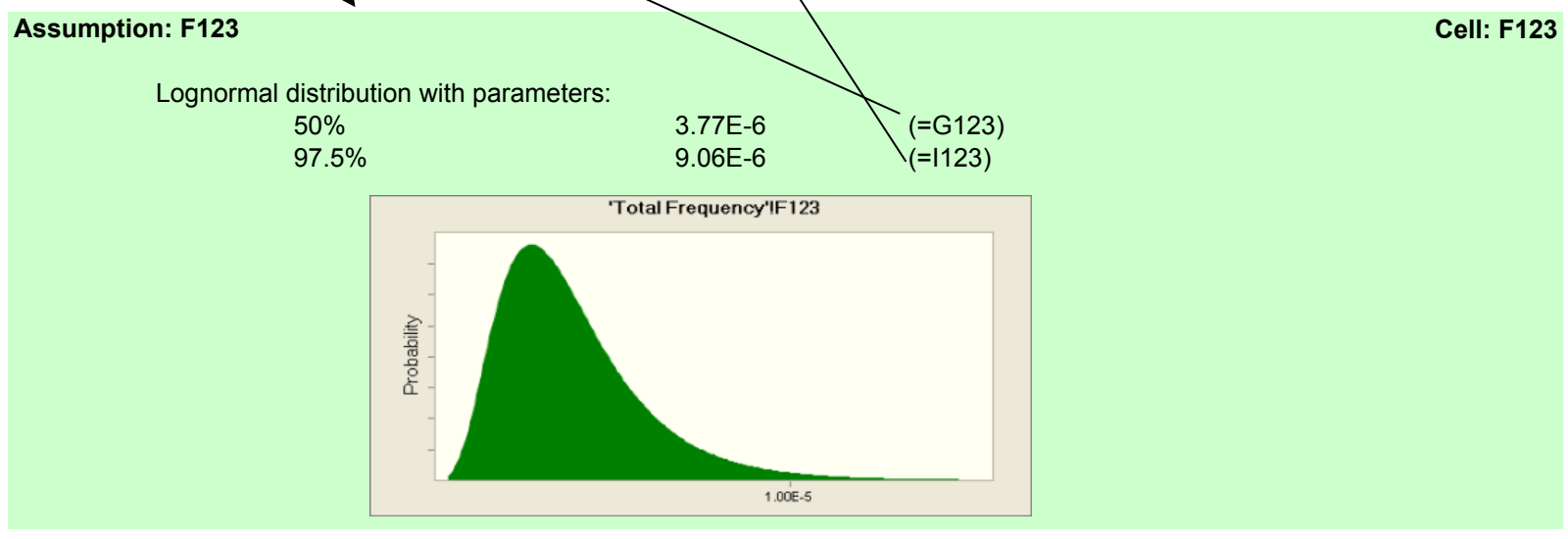
2042	15	30	450	42		
2043	13	30	390	36		
2045	15	8	160	15	5	8
2045A	15	8	160	15	5	8
2046	9	7	63	6		
2048	28	16	448	42		
2050	29	16	464	43		
3001	110	8	1298	121	38	11
3002	36	11	652	61	8	32
3038	33	13	429	40		
3041	32	16	512	48		
3045	15	8	160	15	5	8
3045A	15	8	160	15	5	8
3046	10	7	70	7		
3048	28	16	448	42		
3050	29	16	464	43		

Total Area (sq-m)
 Ignition Frequency (per sq-m/yr)
 Ignition Frequency (per yr)
 Ignition Frequency (50 years - preclosure period)

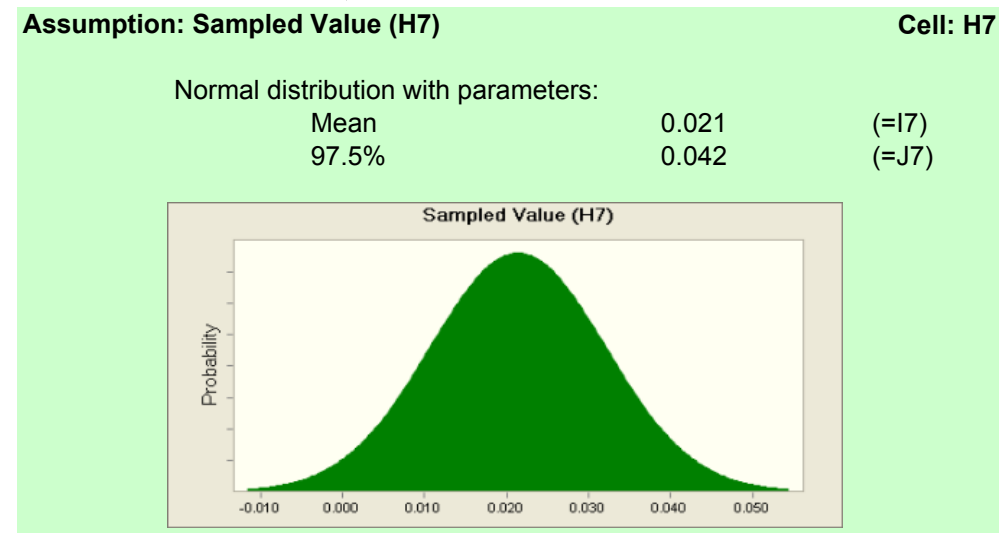
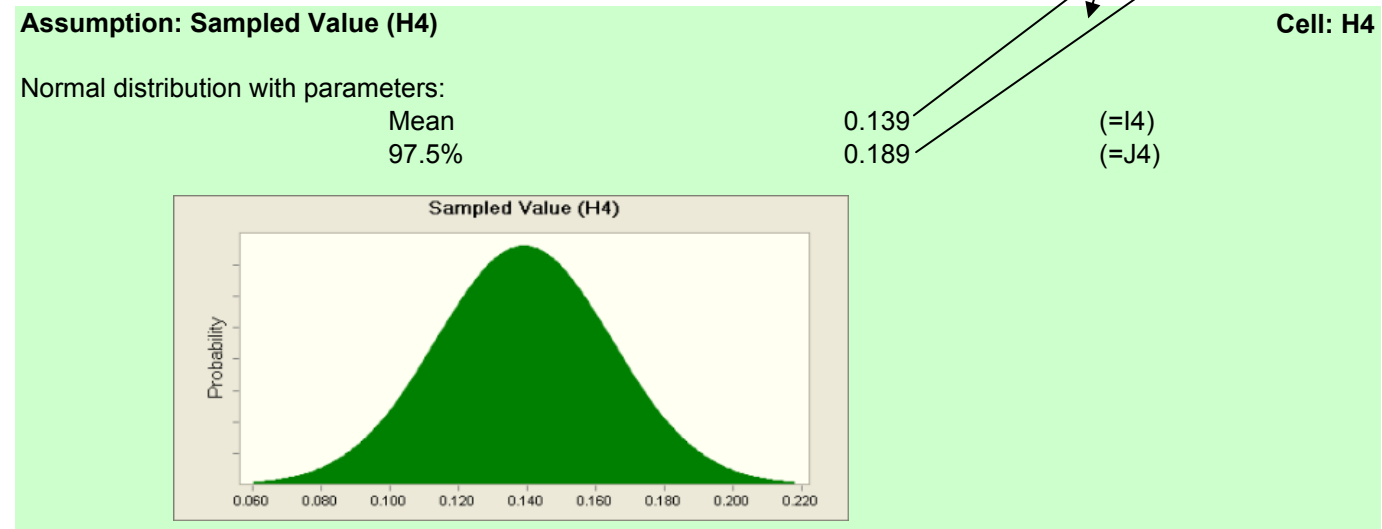
19611
 3.77E-06
 7.40E-02
 3.70E+00

50% Value
 3.77257E-06

97.5% Value
 9.06E-06



Category	Category Fraction	Category Frequency (50 years)	Category Population	Frequency per Unit (50 years)	Normalized Value	Sampled Value	Mean Fraction	97.5% Value	97.5th percentile add
Electrical	0.086	3.17E-01	282	1.12E-03	0.086	0.086	0.086	1.26E-01	4.05E-02
HVAC	0.080	2.97E-01	66	4.50E-03	0.080	0.080	0.080	1.20E-01	3.93E-02
Mechanical Equipment	0.139	5.15E-01	68	7.57E-03	0.139	0.139	0.139	1.89E-01	5.01E-02
Heat Generating Equipment	0.155	5.74E-01	0	0.00E+00	0.155	0.155	0.155	2.07E-01	5.24E-02
Torches, welders, burners	0.219	8.10E-01	1446.226667	5.60E-04	0.219	0.219	0.219	2.79E-01	5.99E-02
Internal combustion engines	0.021	7.77E-02	200	3.89E-04	0.021	0.021	0.021	4.23E-02	2.09E-02
Office/kitchen equipment	0.064	2.37E-01	10	2.37E-02	0.064	0.064	0.064	9.97E-02	3.55E-02
Portable Equipment	0.102	3.77E-01	60	6.29E-03	0.102	0.102	0.102	1.45E-01	4.37E-02
No equipment involved	0.134	4.96E-01	19611	2.53E-05	0.134	0.134	0.134	1.83E-01	4.93E-02
	1.000	3.7E+00			1.000				

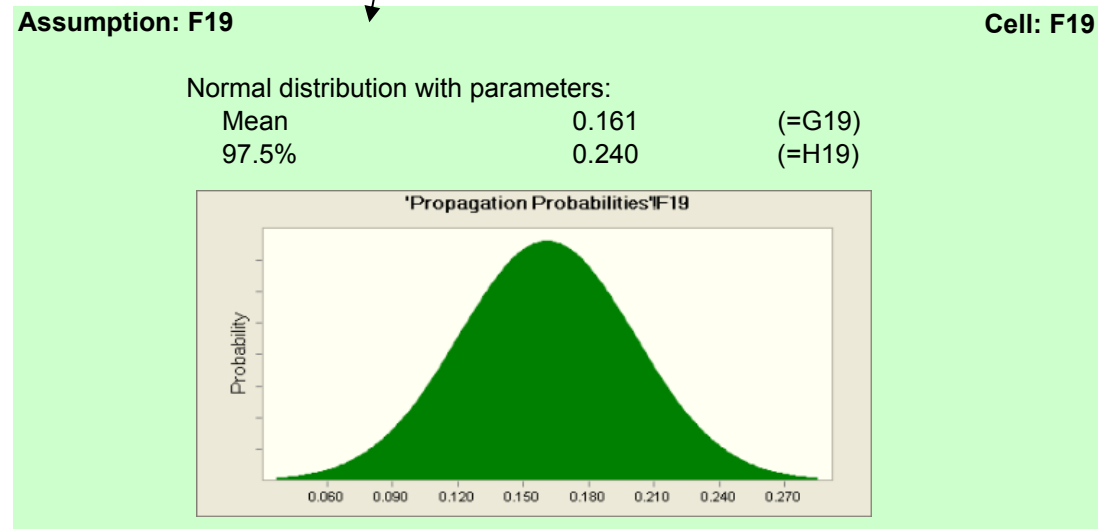


Ignition Source Category and Room-by-Room Population

Room	Electrical	HVAC	Mechanical Equipment	Heat Generating Equipment	Torches, Welders, Burners	Internal Combustion Engines	Office/ Kitchen Equipment	Portable Equipment	No Equipment Involved	Room Ignition Frequency
1001					5				233	8.7E-03
1001A		2						2	141	2.5E-02
1002									74	1.9E-03
1002A									13	3.2E-04
1003		4						2	164	3.5E-02
1004	1	4						2	119	3.5E-02
1005A									103	2.6E-03
1005B									68	1.7E-03
1005C									51	1.3E-03
1005D									67	1.7E-03
1005E									116	2.9E-03
1005F									109	2.8E-03
1005G									53	1.3E-03
1005H									58	1.5E-03
1005J									141	3.6E-03
1007	105							2	410	1.4E-01
1007A	2								36	3.2E-03
1008	25	2						2	164	5.4E-02
1008A	1								25	1.8E-03
1009		4			5			2	46	3.5E-02
1010		2						2	129	2.5E-02
1011		4						2	313	3.8E-02
1012									147	3.7E-03
1013	16						1		164	4.6E-02
1013A									11	2.8E-04
1014		2	2					1	385	4.0E-02
1015	1	2	9.2					2	1326	1.3E-01
1016									33	8.5E-04
1017									37	9.4E-04
1018			2.4					1	213	3.0E-02
1019			2.4					1	213	3.0E-02
1020									33	8.5E-04
1021									31	7.8E-04
1022									28	7.0E-04
1023			1.05					1	78	1.6E-02
1024			1.05					1	78	1.6E-02
1025									28	7.0E-04
1026	1		19.9			130		4	2143	2.8E-01
1027		2	2		5	10			342	3.9E-02
1028	1	2	4		400				423	2.8E-01
1029	22	2						2	164	5.0E-02
1029A	1								25	1.8E-03
1030		4						2	46	3.2E-02
1031		2						2	139	2.5E-02
1032		4						2	307	3.8E-02
1033									144	3.7E-03
1034									48	1.2E-03
1035		4						2	184	3.5E-02
1036		2				37			239	2.9E-02
1036A		2				23			208	2.3E-02
1036B									20	5.2E-04
1037									51	1.3E-03
1038									39	9.8E-04
1039									39	9.9E-04
1040									39	9.9E-04
1041									48	1.2E-03
1042									42	1.1E-03
1043									36	9.2E-04
1044			1						20	8.1E-03
1044A									7	1.9E-04
1045									27	6.9E-04
1046									7	1.6E-04
1047			1						76	9.5E-03
1047A									66	1.7E-03
1048									42	1.1E-03
1049			1						76	9.5E-03
1049A									66	1.7E-03
1050									42	1.1E-03
1051									32	8.1E-04
1052									32	8.1E-04
1053									28	7.0E-04
1054									29	7.4E-04
1201 - 1210							5		226	1.2E-01
1211 - 1213 & 1215 - 1222							4		295	1.0E-01
1214									54	1.4E-03
2001	26	6						4	433	9.2E-02
2002					5				183	7.4E-03
2003	11		1					1	211	3.2E-02
2003A									19	4.9E-04
2004		2	14		10			1	3846	2.2E-01
2005	21	2						4	511	7.1E-02
2005A									33	8.2E-04
2006A									90	2.3E-03
2006B									71	1.8E-03
2006D									90	2.3E-03

2006E								52	1.3E-03
2006F								38	9.6E-04
2006G								129	3.3E-03
2006H								40	1.0E-03
2006J								89	2.2E-03
2006K								73	1.8E-03
2007			5	1011.22667			2	247	6.2E-01
2007A	9						1	27	1.7E-02
2007B							1	27	7.0E-03
2008	16	2					4	433	6.3E-02
2010					5			186	7.5E-03
2011	11		1				1	224	3.2E-02
2011A								19	4.8E-04
2012	12	4					4	493	6.9E-02
2038								40	1.0E-03
2039								42	1.1E-03
2040								42	1.1E-03
2041								48	1.2E-03
2042								42	1.1E-03
2043								36	9.2E-04
2045								15	3.8E-04
2045A								15	3.8E-04
2046								6	1.5E-04
2048								42	1.1E-03
2050								43	1.1E-03
3001								121	3.0E-03
3002								61	1.5E-03
3038								40	1.0E-03
3041								48	1.2E-03
3045								15	3.8E-04
3045A								15	3.8E-04
3046								7	1.6E-04
3048								42	1.1E-03
3050								43	1.1E-03
TOTAL	282	66	68	0 1446.22667	200	10	60		3.1E+00

		Conditional Probability	Normalized Value	Sampled Value	Mean Fraction	97.5% Value	97.5th percentile add
Automatic Suppression Functional	Alternative Definition						
Extent of Propagation	No Propagation	0.551	0.551	0.551	0.551	0.667	0.117
Confined to Object of Origin	Spreads Through Part of Room of Origin	0.317	0.317	0.317	0.317	0.426	0.109
Confined to Part of Room of Origin	Spreads Throughout Room of Origin	0.028	0.028	0.028	0.028	0.066	0.038
Confined to Room of Origin	Spreads Throughout Fire-Rated Area of Origin	0.005	0.005	0.005	0.005	0.020	0.016
Confined to Fire-Rated Area of Origin	Spreads Throughout Floor of Origin	0.069	0.069	0.069	0.069	0.128	0.059
Confined to Floor of Origin	Spreads Throughout Building	0.028	0.028	0.028	0.028	0.055	0.028
Confined to Structure of Origin	Breaches Building Boundary	0.005	0.005	0.005	0.005	0.020	0.016
Extended Beyond Structure of Origin		1.000	1.000				
		0.101					
Automatic Suppression Fails	Alternative Definition						
Extent of Propagation	No Propagation	0.621	0.621	0.621	0.621	0.725	0.104
Confined to Object of Origin	Spreads Through Part of Room of Origin	0.149	0.149	0.149	0.149	0.226	0.076
Confined to Part of Room of Origin	Spreads Throughout Room of Origin	0.004	0.004	0.004	0.004	0.017	0.013
Confined to Room of Origin	Spreads Throughout Fire-Rated Area of Origin	0.057	0.057	0.057	0.057	0.107	0.050
Confined to Fire-Rated Area of Origin	Spreads Throughout Floor of Origin	0.004	0.004	0.004	0.004	0.017	0.013
Confined to Floor of Origin	Spreads Throughout Building	0.161	0.161	0.161	0.161	0.240	0.079
Confined to Structure of Origin	Breaches Building Boundary	0.004	0.004	0.004	0.004	0.017	0.013
Extended Beyond Structure of Origin		1.000	1.000				



Localized Fires That Threatens Waste Form

Contributions from Rooms Containing Waste Form

Room of Origin (includes comments field as needed)	Ignition Source (If Applicable)	Number in Room	Frequency per Unit (50 years)	Number at Target	Number Near Target	Propagation Probability to Target	Number Away from Target	Propagation Probability to Target	Target Exposure Time (Fraction)	Contribution to IE Frequency (50 years)	Target Exposure Time (Fraction)	Contribution to IE Frequency (50 years)	Target Exposure Time (Fraction)	Contribution to IE Frequency (50 years)	Target Exposure Time (Fraction)	Contribution to IE Frequency (50 years)
-------------------------------------------------------------	------------------------------------	-------------------	-------------------------------------	---------------------	--------------------------	-----------------------------------------	----------------------------------	-----------------------------------------	------------------------------------------	--------------------------------------------------	------------------------------------------	--------------------------------------------------	------------------------------------------	--------------------------------------------------	------------------------------------------	--------------------------------------------------

Entry represents a vulnerability due to the WP Transfer Trolley

										TAD	HLW	HLW & DOE-SNF				
1018, 2004 & 2007	Electrical	0	1.12E-03			0.211			0.061	9.6E-05	0.0E+00	1.3E-05	0.0E+00	9.8E-05	0.0E+00	
	HVAC	2	4.50E-03			0.211	2		0.061	9.6E-05	5.3E-08	1.3E-05	6.9E-09	9.8E-05	5.4E-08	
	Mechanical Equipment	21.4	7.57E-03	2.4		0.211	19		0.061	9.6E-05	2.6E-06	1.3E-05	3.4E-07	9.8E-05	2.6E-06	
	Heat Generating Equipment	0	0.00E+00			0.211			0.061	9.6E-05	0.0E+00	1.3E-05	0.0E+00	9.8E-05	0.0E+00	
	Torches, welders, burners	1021.227	5.60E-04	1011.227		0.211	10		0.061	9.6E-05	5.5E-05	1.3E-05	7.1E-06	9.8E-05	5.6E-05	
	Internal combustion engines	0	3.89E-04			0.211			0.061	9.6E-05	0.0E+00	1.3E-05	0.0E+00	9.8E-05	0.0E+00	
	Office/kitchen equipment	0	2.37E-02			0.211			0.061	9.6E-05	0.0E+00	1.3E-05	0.0E+00	9.8E-05	0.0E+00	
	Portable Equipment	4	6.29E-03	1		0.211	3		0.061	9.6E-05	7.2E-07	1.3E-05	9.4E-08	9.8E-05	7.3E-07	
	No equipment involved	4307	2.53E-05	213	120	0.211	3974		0.061	9.6E-05	1.2E-06	1.3E-05	1.5E-07	9.8E-05	1.2E-06	

Propagation from rooms in Fire Zone

1016			8.46E-04			0.057			0.061	9.6E-05	4.7E-09	1.3E-05	6.1E-10	9.8E-05	4.8E-09	
1017			9.40E-04			0.057			0.061	9.6E-05	5.2E-09	1.3E-05	6.8E-10	9.8E-05	5.3E-09	
1019			2.98E-02			0.057			0.061	9.6E-05	1.6E-07	1.3E-05	2.2E-08	9.8E-05	1.7E-07	
1020			8.46E-04			0.057			0.061	9.6E-05	4.7E-09	1.3E-05	6.1E-10	9.8E-05	4.8E-09	
1021			7.75E-04			0.057			0.061	9.6E-05	4.3E-09	1.3E-05	5.6E-10	9.8E-05	4.4E-09	
2003			3.16E-02			0.057			0.061	9.6E-05	1.7E-07	1.3E-05	2.3E-08	9.8E-05	1.8E-07	
2003A			4.89E-04			0.057			0.061	9.6E-05	2.7E-09	1.3E-05	3.5E-10	9.8E-05	2.8E-09	
2007A			1.71E-02			0.057			0.061	9.6E-05	9.4E-08	1.3E-05	1.2E-08	9.8E-05	9.6E-08	
2007B			6.97E-03			0.057			0.061	9.6E-05	3.9E-08	1.3E-05	5.0E-09	9.8E-05	3.9E-08	
2011			3.19E-02			0.057			0.061	9.6E-05	1.8E-07	1.3E-05	2.3E-08	9.8E-05	1.8E-07	
2011A			4.79E-04			0.057			0.061	9.6E-05	2.6E-09	1.3E-05	3.5E-10	9.8E-05	2.7E-09	

Localized Fire Threatens Waste Form in WP in Positioning/Closure Room

Localized Fire Threatens TAD in WP in Positioning/Closure Room

5.97E-05

Localized Fire Threatens HLW in WP in Positioning/Closure Room

7.8E-06

Localized Fire Threatens HLW and DOE-SNF in WP in Positioning/Closure Room

6.1E-05

Entry represents a vulnerability due to the Transportation Emplacement Vehicle

										TAD	HLW & DOE-SNF					
1015 & 1014	Electrical	1	1.12E-03	1		0.211			0.061	1.2E-06	1.3E-09	1.2E-06	1.3E-09			
	HVAC	4	4.50E-03	2	2	0.211			0.061	1.2E-06	1.3E-08	1.2E-06	1.3E-08			
	Mechanical Equipment	11.2	7.57E-03	11.2		0.211			0.061	1.2E-06	1.0E-07	1.2E-06	1.0E-07			
	Heat Generating Equipment	0	0.00E+00			0.211			0.061	1.2E-06	0.0E+00	1.2E-06	0.0E+00			
	Torches, welders, burners	0	5.60E-04			0.211			0.061	1.2E-06	0.0E+00	1.2E-06	0.0E+00			
	Internal combustion engines	0	3.89E-04			0.211			0.061	1.2E-06	0.0E+00	1.2E-06	0.0E+00			
	Office/kitchen equipment	0	2.37E-02			0.211			0.061	1.2E-06	0.0E+00	1.2E-06	0.0E+00			
	Portable Equipment	3	6.29E-03	3		0.211			0.061	1.2E-06	2.2E-08	1.2E-06	2.2E-08			
	No equipment involved	1711	2.53E-05	880	300	0.211	531		0.061	1.2E-06	2.9E-08	1.2E-06	2.9E-08			

Localized Fire Threatens Waste Form in TEV in Loadout Room

Localized Fire Threatens TAD/WP in TEV in Loadout Room

1.7E-07

Localized Fire Threatens HLW and DOE-SNF in WP in TEV in Loadout Room

1.7E-07

Entry represents a vulnerability due to the WP Transfer Trolley

										TAD	HLW & DOE-SNF					
1015	Electrical	1	1.12E-03	1		0.211			0.061	7.1E-06	7.9E-09	7.1E-06	7.9E-09			

HVAC	2	4.50E-03		2	0.211	0.061	7.1E-06	1.3E-08	7.1E-06	1.3E-08
Mechanical Equipment	9.2	7.57E-03	9.2		0.211	0.061	7.1E-06	4.9E-07	7.1E-06	4.9E-07
Heat Generating Equipment	0	0.00E+00			0.211	0.061	7.1E-06	0.0E+00	7.1E-06	0.0E+00
Torches, welders, burners	0	5.60E-04			0.211	0.061	7.1E-06	0.0E+00	7.1E-06	0.0E+00
Internal combustion engines	0	3.89E-04			0.211	0.061	7.1E-06	0.0E+00	7.1E-06	0.0E+00
Office/kitchen equipment	0	2.37E-02			0.211	0.061	7.1E-06	0.0E+00	7.1E-06	0.0E+00
Portable Equipment	2	6.29E-03	1	1	0.211	0.061	7.1E-06	5.4E-08	7.1E-06	5.4E-08
No equipment involved	1326	2.53E-05	430	250	0.211	0.061	7.1E-06	9.3E-08	7.1E-06	9.3E-08

Localized Fire Threatens Waste Form in WP in Loadout Room

Localized Fire Threatens TAD in WP in Loadout Room

6.6E-07

Localized Fire Threatens HLW and DOE-SNF in WP in Loadout Room

6.6E-07

Entry represents a vulnerability due to the Cask Transfer Trolley

							TAD		HLW	DOE-SNF		TC/DPC (VTC)		
1023	Electrical	0	1.12E-03		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	HVAC	0	4.50E-03		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	Mechanical Equipment	1.05	7.57E-03	1.05	0.211	0.061	3.3E-06	2.7E-08	1.3E-05	1.1E-07	2.1E-05	1.7E-07	1.8E-06	1.4E-08
	Heat Generating Equipment	0	0.00E+00		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	Torches, welders, burners	0	5.60E-04		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	Internal combustion engines	0	3.89E-04		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	Office/kitchen equipment	0	2.37E-02		0.211	0.061	3.3E-06	0.0E+00	1.3E-05	0.0E+00	2.1E-05	0.0E+00	1.8E-06	0.0E+00
	Portable Equipment	1	6.29E-03	1	0.211	0.061	3.3E-06	2.1E-08	1.3E-05	8.4E-08	2.1E-05	1.3E-07	1.8E-06	1.1E-08
	No equipment involved	78	2.53E-05	30	48	0.211	0.061	3.3E-06	1.3E-05	1.4E-08	2.1E-05	2.1E-08	1.8E-06	1.8E-09

Propagation from rooms in Fire Zone

1022			7.05E-04		0.057		3.3E-06	1.4E-10	1.3E-05	5.4E-10	2.1E-05	8.5E-10	1.8E-06	7.2E-11
1024			1.62E-02		0.057		3.3E-06	3.1E-09	1.3E-05	1.2E-08	2.1E-05	2.0E-08	1.8E-06	1.7E-09
1025			7.05E-04		0.057		3.3E-06	1.4E-10	1.3E-05	5.4E-10	2.1E-05	8.5E-10	1.8E-06	7.2E-11
1026			2.82E-01		0.057		3.3E-06	5.4E-08	1.3E-05	2.2E-07	2.1E-05	3.4E-07	1.8E-06	2.9E-08

Localized Fire Threatens Waste Form on CTT in Unloading Room

Localized Fire Threatens TC/TAD on CTT in Unloading Room

1.1E-07

Localized Fire Threatens TC/HLW on CTT in Unloading Room

4.3E-07

Localized Fire Threatens TC/DOE-SNF on CTT in Unloading Room

6.8E-07

Localized Fire Threatens TC/DPC (VTC) in Cask Unloading Room

5.8E-08

Entry represents a vulnerability due to the Site Transporter

							TAD		DPC (VTC)	
1023	Electrical	0	1.12E-03		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	HVAC	0	4.50E-03		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	Mechanical Equipment	1.05	7.57E-03	1.05	0.211	0.061	3.5E-06	2.8E-08	3.3E-06	2.6E-08
	Heat Generating Equipment	0	0.00E+00		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	Torches, welders, burners	0	5.60E-04		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	Internal combustion engines	0	3.89E-04		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	Office/kitchen equipment	0	2.37E-02		0.211	0.061	3.5E-06	0.0E+00	3.3E-06	0.0E+00
	Portable Equipment	1	6.29E-03	1	0.211	0.061	3.5E-06	2.2E-08	3.3E-06	2.1E-08
	No equipment involved	78	2.53E-05	30	48	0.211	0.061	3.5E-06	3.3E-06	3.4E-09

Propagation from rooms in Fire Zone

1022			7.05E-04		0.057		3.5E-06	1.4E-10	3.3E-06	1.3E-10
1024			1.62E-02		0.057		3.5E-06	3.3E-09	3.3E-06	3.1E-09
1025			7.05E-04		0.057		3.5E-06	1.4E-10	3.3E-06	1.3E-10
1026			2.82E-01		0.057		3.5E-06	5.7E-08	3.3E-06	5.4E-08

Localized Fire Threatens Waste Form in AO in Unloading Room (Diesel Present)

Localized Fire Threatens TAD in AO in Unloading Room (Diesel Present)

1.1E-07

Localized Fire Threatens DPC (VTC) in AO in Unloading Room (Diesel Present)

1.1E-07

Entry represents a vulnerability due to the Site Prime Mover (Diesel Present)

								TAD		HLW		DOE-SNF		TC/DPC (VTC)	
1026	Electrical	1	1.12E-03	1		0.211	0.061	2.1E-06	2.3E-09	2.1E-06	2.4E-09	2.1E-06	2.4E-09	2.1E-06	2.4E-09
1036	HVAC	4	4.50E-03	4		0.211	0.061	2.1E-06	3.7E-08	2.1E-06	3.8E-08	2.1E-06	3.8E-08	2.1E-06	3.8E-08
1036A	Mechanical Equipment	19.9	7.57E-03	4	15.9	0.211	0.061	2.1E-06	1.1E-07	2.1E-06	1.2E-07	2.1E-06	1.2E-07	2.1E-06	1.2E-07
	Heat Generating Equipment	0	0.00E+00			0.211	0.061	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00
	Torches, welders, burners	0	5.60E-04			0.211	0.061	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00
	Internal combustion engines	190	3.89E-04	190		0.211	0.061	2.1E-06	1.5E-07	2.1E-06	1.6E-07	2.1E-06	1.6E-07	2.1E-06	1.6E-07
	Office/kitchen equipment	0	2.37E-02			0.211	0.061	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00	2.1E-06	0.0E+00
	Portable Equipment	4	6.29E-03	2		0.211	0.061	2.1E-06	2.7E-08	2.1E-06	2.8E-08	2.1E-06	2.8E-08	2.1E-06	2.8E-08
	No equipment involved	2591	2.53E-05	1526	120	0.211	0.061	2.1E-06	8.4E-08	2.1E-06	8.7E-08	2.1E-06	8.7E-08	2.1E-06	8.7E-08
Propagation from rooms in Fire Zone															
1022			7.05E-04			0.057		2.1E-06	8.3E-11	2.1E-06	8.6E-11	2.1E-06	8.6E-11	2.1E-06	8.6E-11
1023			1.62E-02			0.057		2.1E-06	1.9E-09	2.1E-06	2.0E-09	2.1E-06	2.0E-09	2.1E-06	2.0E-09
1024			1.62E-02			0.057		2.1E-06	1.9E-09	2.1E-06	2.0E-09	2.1E-06	2.0E-09	2.1E-06	2.0E-09
1025			7.05E-04			0.057		2.1E-06	8.3E-11	2.1E-06	8.6E-11	2.1E-06	8.6E-11	2.1E-06	8.6E-11

Localized Fire Threatens Waste Form in Vestibule/Preparation Area w/SPM (Diesel Present)

Localized Fire Threatens TC/TAD in Vestibule/Preparation Area w/SPM (Diesel Present)								4.2E-07						
Localized Fire Threatens TC/HLW in Vestibule/Preparation Area w/SPM (Diesel Present)									4.4E-07					
Localized Fire Threatens TC/DOE-SNF in Vestibule/Preparation Area w/SPM (Diesel Present)										4.4E-07				
Localized Fire Threatens TC/DPC (VTC) in Vestibule/Preparation Area (Diesel Present)											4.4E-07			

Entry represents a vulnerability due to the Railcar (No Diesel Present)

								TAD		HLW		DOE-SNF		TC/DPC (VTC)	
1026	Electrical	1	1.12E-03	1		0.211	0.061	1.5E-05	1.7E-08	1.8E-05	2.0E-08	1.5E-05	1.7E-08	1.3E-05	1.5E-08
1036	HVAC	4	4.50E-03	4		0.211	0.061	1.5E-05	2.7E-07	1.8E-05	3.2E-07	1.5E-05	2.7E-07	1.3E-05	2.4E-07
1036A	Mechanical Equipment	19.9	7.57E-03	4	15.9	0.211	0.061	1.5E-05	8.4E-07	1.8E-05	9.9E-07	1.5E-05	8.4E-07	1.3E-05	7.3E-07
	Heat Generating Equipment	0	0.00E+00			0.211	0.061	1.5E-05	0.0E+00	1.8E-05	0.0E+00	1.5E-05	0.0E+00	1.3E-05	0.0E+00
	Torches, welders, burners	0	5.60E-04			0.211	0.061	1.5E-05	0.0E+00	1.8E-05	0.0E+00	1.5E-05	0.0E+00	1.3E-05	0.0E+00
	Internal combustion engines	0	3.89E-04			0.211	0.061	1.5E-05	0.0E+00	1.8E-05	0.0E+00	1.5E-05	0.0E+00	1.3E-05	0.0E+00
	Office/kitchen equipment	0	2.37E-02			0.211	0.061	1.5E-05	0.0E+00	1.8E-05	0.0E+00	1.5E-05	0.0E+00	1.3E-05	0.0E+00
	Portable Equipment	4	6.29E-03	2		0.211	0.061	1.5E-05	2.0E-07	1.8E-05	2.4E-07	1.5E-05	2.0E-07	1.3E-05	1.8E-07
	No equipment involved	2591	2.53E-05	1526	120	0.211	0.061	1.5E-05	6.1E-07	1.8E-05	7.3E-07	1.5E-05	6.1E-07	1.3E-05	5.4E-07
Propagation from rooms in Fire Zone															
1022			7.05E-04			0.057		1.5E-05	6.1E-10	1.8E-05	7.2E-10	1.5E-05	6.1E-10	1.3E-05	5.3E-10
1023			1.62E-02			0.057		1.5E-05	1.4E-08	1.8E-05	1.7E-08	1.5E-05	1.4E-08	1.3E-05	1.2E-08
1024			1.62E-02			0.057		1.5E-05	1.4E-08	1.8E-05	1.7E-08	1.5E-05	1.4E-08	1.3E-05	1.2E-08
1025			7.05E-04			0.057		1.5E-05	6.1E-10	1.8E-05	7.2E-10	1.5E-05	6.1E-10	1.3E-05	5.3E-10

Localized Fire Threatens Waste Form in Preparation Area w/o SPM (No Diesel Present)

Localized Fire Threatens TC/TAD in Preparation Area w/o SPM (No Diesel Present)								2.0E-06					
Localized Fire Threatens TC/HLW in Preparation Area w/o SPM (No Diesel Present)									2.3E-06				
Localized Fire Threatens TC/DOE-SNF in Preparation Area w/o SPM (No Diesel Present)										2.0E-06			
Localized Fire Threatens TC/DPC (VTC) in Preparation Area (No Diesel Present)											1.7E-06		

Entry represents a vulnerability due to the Site Transporter

								TAD		DPC (VTC)	
1026 & 1027	Electrical	1	1.12E-03	1		0.211	0.061	8.4E-06	9.4E-09	1.2E-05	1.4E-08
	HVAC	2	4.50E-03	2		0.211	0.061	8.4E-06	7.5E-08	1.2E-05	1.1E-07
	Mechanical Equipment	21.9	7.57E-03	21.9		0.211	0.061	8.4E-06	1.4E-06	1.2E-05	2.0E-06
	Heat Generating Equipment	0	0.00E+00			0.211	0.061	8.4E-06	0.0E+00	1.2E-05	0.0E+00
	Torches, welders, burners	5	5.60E-04			0.211	0.061	8.4E-06	1.4E-09	1.2E-05	2.1E-09
	Internal combustion engines	140	3.89E-04	140		0.211	0.061	8.4E-06	4.6E-07	1.2E-05	6.6E-07
	Office/kitchen equipment	0	2.37E-02			0.211	0.061	8.4E-06	0.0E+00	1.2E-05	0.0E+00
	Portable Equipment	4	6.29E-03	4		0.211	0.061	8.4E-06	2.1E-07	1.2E-05	3.0E-07
	No equipment involved	2485	2.53E-05	2143		0.211	0.061	8.4E-06	4.6E-07	1.2E-05	6.6E-07

Propagation from rooms in Fire Zone

1022	7.05E-04	0.057	8.4E-06	3.4E-10	1.2E-05	4.9E-10
1023	1.62E-02	0.057	8.4E-06	7.8E-09	1.2E-05	1.1E-08
1024	1.62E-02	0.057	8.4E-06	7.8E-09	1.2E-05	1.1E-08
1025	7.05E-04	0.057	8.4E-06	3.4E-10	1.2E-05	4.9E-10

Localized Fire Threatens Waste Form in AO in Vestibule/Preparation Area (Diesel Present)

Localized Fire Threatens TAD in AO in Vestibule/Preparation Area (Diesel Present)

2.6E-06

Localized Fire Threatens DPC (VTC) in AO in Vestibule/Preparation Area (Diesel Present)

3.8E-06

Entry represents a vulnerability due to the Cask Transfer Trolley

							TAD	HLW	DOE-SNF	TC/DPC (VTC)				
1026	Electrical	1	1.12E-03	1	0.211	0.061	1.6E-05	1.8E-08	1.4E-05	1.6E-08	1.5E-05	1.6E-08	1.5E-05	1.7E-08
	HVAC	0	4.50E-03		0.211	0.061	1.6E-05	0.0E+00	1.4E-05	0.0E+00	1.5E-05	0.0E+00	1.5E-05	0.0E+00
	Mechanical Equipment	19.9	7.57E-03	4	15.9	0.211	1.6E-05	8.7E-07	1.4E-05	7.7E-07	1.5E-05	8.2E-07	1.5E-05	8.2E-07
	Heat Generating Equipment	0	0.00E+00		0.211	0.061	1.6E-05	0.0E+00	1.4E-05	0.0E+00	1.5E-05	0.0E+00	1.5E-05	0.0E+00
	Torches, welders, burners	0	5.60E-04		0.211	0.061	1.6E-05	0.0E+00	1.4E-05	0.0E+00	1.5E-05	0.0E+00	1.5E-05	0.0E+00
	Internal combustion engines	130	3.89E-04	130	0.211	0.061	1.6E-05	7.9E-07	1.4E-05	7.0E-07	1.5E-05	7.4E-07	1.5E-05	7.5E-07
	Office/kitchen equipment	0	2.37E-02		0.211	0.061	1.6E-05	0.0E+00	1.4E-05	0.0E+00	1.5E-05	0.0E+00	1.5E-05	0.0E+00
	Portable Equipment	4	6.29E-03	2	0.211	0.061	1.6E-05	2.1E-07	1.4E-05	1.9E-07	1.5E-05	2.0E-07	1.5E-05	2.0E-07
	No equipment involved	2143	2.53E-05	1070	120	0.211	953	0.061	1.6E-05	4.6E-07	1.4E-05	4.1E-07	1.5E-05	4.3E-07

Propagation from rooms in Fire Zone

1022	7.05E-04	0.057	1.6E-05	6.3E-10	1.4E-05	5.6E-10	1.5E-05	5.9E-10	1.5E-05	6.0E-10
1023	1.62E-02	0.057	1.6E-05	1.5E-08	1.4E-05	1.3E-08	1.5E-05	1.4E-08	1.5E-05	1.4E-08
1024	1.62E-02	0.057	1.6E-05	1.5E-08	1.4E-05	1.3E-08	1.5E-05	1.4E-08	1.5E-05	1.4E-08
1025	7.05E-04	0.057	1.6E-05	6.3E-10	1.4E-05	5.6E-10	1.5E-05	5.9E-10	1.5E-05	6.0E-10

Localized Fire Threatens Waste Form on CTT in Preparation Area

Localized Fire Threatens TC/TAD on CTT in Preparation Area

2.4E-06

Localized Fire Threatens TC/HLW on CTT in Preparation Area

2.1E-06

Localized Fire Threatens TC/DOE-SNF on CTT in Preparation Area

2.2E-06

Localized Fire Threatens TC/DPC (VTC) in Preparation Area

2.2E-06

Entry represents a vulnerability due to the Canister Transfer Machine

							TAD	HLW	DOE-SNF	TC/DPC (VTC)				
2004	Electrical	0	1.12E-03		0.211	0.061	1.1E-06	0.0E+00	1.3E-06	0.0E+00	1.1E-06	0.0E+00	1.2E-06	0.0E+00
	HVAC	2	4.50E-03		0.211	0.061	1.1E-06	6.1E-10	1.3E-06	7.1E-10	1.1E-06	6.1E-10	1.2E-06	6.7E-10
	Mechanical Equipment	14	7.57E-03	10	0	0.211	4	0.061	1.1E-06	8.6E-08	1.3E-06	1.0E-07	1.1E-06	8.6E-08
	Heat Generating Equipment	0	0.00E+00		0.211	0.061	1.1E-06	0.0E+00	1.3E-06	0.0E+00	1.1E-06	0.0E+00	1.2E-06	0.0E+00
	Torches, welders, burners	10	5.60E-04		0.211	0.061	1.1E-06	3.8E-10	1.3E-06	4.4E-10	1.1E-06	3.8E-10	1.2E-06	4.2E-10
	Internal combustion engines	0	3.89E-04		0.211	0.061	1.1E-06	0.0E+00	1.3E-06	0.0E+00	1.1E-06	0.0E+00	1.2E-06	0.0E+00
	Office/kitchen equipment	0	2.37E-02		0.211	0.061	1.1E-06	0.0E+00	1.3E-06	0.0E+00	1.1E-06	0.0E+00	1.2E-06	0.0E+00
	Portable Equipment	1	6.29E-03	1	0.211	0.061	1.1E-06	6.9E-09	1.3E-06	8.1E-09	1.1E-06	6.9E-09	1.2E-06	7.7E-09
	No equipment involved	3846	2.53E-05	60	240	0.211	3546	0.061	1.1E-06	9.1E-09	1.3E-06	1.1E-08	1.1E-06	9.1E-09

Localized Fire Threatens Waste Form in CTM in Transfer Room

Localized Fire Threatens TAD in CTM in Transfer Room

1.0E-07

Localized Fire Threatens HLW in CTM in Transfer Room (per individual canister)

1.2E-07

Localized Fire Threatens DOE-SNF in CTM in Transfer Room (per individual canister)

1.0E-07

Localized Fire Threatens DPC (VTC) in CTM in Transfer Room

1.1E-07

Large Fire Threatens Waste Form In Fire Zones Containing Vulnerable Waste Forms

Large fires are those that spread beyond the boundaries of a fire area, up through those that breach the building boundary.

	Total Ignition Frequency	Propagation Probability Beyond Fire - rated Area	Target Exposure Time (Fraction)	Contribution to IE Frequency
Large Fire Threatens TC/TAD (Diesel Present)	3.13E+00	0.169	2.1E-06	1.1E-06
Large Fire Threatens TC/TAD (No Diesel)	3.13E+00	0.169	3.3E-05	1.7E-05
Large Fire Threatens TAD in AO (Diesel Present)	3.13E+00	0.169	1.1E-05	5.9E-06
Large Fire Threatens TAD in CTM	3.13E+00	0.169	1.5E-06	7.8E-07
Large Fire Threatens TAD in WP in WPTT	3.13E+00	0.169	1.0E-04	5.4E-05
Large Fire Threatens TAD in WP in TEV	3.13E+00	0.169	1.8E-06	9.2E-07
Large Fire Threatens TC/HLW (Diesel Present)	3.13E+00	0.169	2.1E-06	1.1E-06
Large Fire Threatens TC/HLW (No Diesel)	3.13E+00	0.169	3.4E-05	1.8E-05
Large Fire Threatens HLW in CTM (per indiv canister)	3.13E+00	0.169	1.5E-06	7.8E-07
Large Fire Threatens HLW in WP	3.13E+00	0.169	1.3E-05	6.6E-06
Large Fire Threatens HLW and DOE-SNF in WP	3.13E+00	0.169	1.1E-04	5.6E-05
Large Fire Threatens TC/DOE-SNF (Diesel Present)	3.13E+00	0.169	2.1E-06	1.1E-06
Large Fire Threatens TC/DOE-SNF (No Diesel)	3.13E+00	0.169	3.2E-05	1.7E-05
Large Fire Threatens DOE-SNF in CTM (per canister)	3.13E+00	0.169	1.1E-06	5.8E-07
Large Fire Threatens DOE-SNF in Staging Area	3.13E+00	0.169	1.0E+00	5.3E-01
Large Fire Threatens TC/DPC (VTC) (Diesel)	3.13E+00	0.169	2.1E-06	1.1E-06
Large Fire Threatens TC/DPC (VTC) (No Diesel)	3.13E+00	0.169	3.0E-05	1.6E-05
Large Fire Threatens DPC (VTC) in CTM	3.13E+00	0.169	1.2E-06	6.4E-07
Large Fire Threatens DPC (VTC) in AO (Diesel)	3.13E+00	0.169	1.5E-05	7.7E-06

Initiating Event	Equipment	Mean	Median	97.5% Value	EF	Type
Localized Fire Threatens Waste Form in WP in Positioning/Closure Room	WP Transfer Trolley					
Localized Fire Threatens TAD in WP in Positioning/Closure Room		6.5E-05	5.8E-05	1.42E-4	2.2E+00	Lognormal
Localized Fire Threatens HLW in WP in Positioning/Closure Room		8.5E-06	7.6E-06	1.9E-05	2.2E+00	Lognormal
Localized Fire Threatens HLW and DOE SNF in WP in Positioning/Closure Room		6.6E-05	5.9E-05	1.4E-04	2.2E+00	Lognormal
Localized Fire Threatens Waste Form in TEV in Loadout Room	Transportation Emplacement Vehicle					
Localized Fire Threatens TAD/WP in TEV in Loadout Room		1.9E-07	1.7E-07	4.1E-07	2.1E+00	Lognormal
Localized Fire Threatens HLW and DOE SNF in WP in TEV in Loadout Room		1.9E-07	1.7E-07	4.1E-07	2.1E+00	Lognormal
Localized Fire Threatens Waste Form in WP in Loadout Room	WP Transfer Trolley					
Localized Fire Threatens TAD in WP in Loadout Room		7.3E-07	6.6E-07	1.6E-06	2.0E+00	Lognormal
Localized Fire Threatens HLW and DOE SNF in WP in Loadout Room		7.3E-07	6.6E-07	1.6E-06	2.0E+00	Lognormal
Localized Fire Threatens Waste Form on CTT in Unloading Room	Cask Transfer Trolley					
Localized Fire Threatens TC/TAD on CTT in Unloading Room		1.2E-07	1.1E-07	2.8E-07	2.3E+00	Lognormal
Localized Fire Threatens TC/HLW on CTT in Unloading Room		4.7E-07	4.2E-07	1.1E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DOE SNF on CTT in Unloading Room		7.5E-07	6.7E-07	1.7E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DPC (VTC) in Cask Unloading Room		6.4E-08	5.6E-08	1.5E-07	2.3E+00	Lognormal
Localized Fire Threatens Waste Form in AO in Unloading Room (Diesel Present)	Site Transporter					
Localized Fire Threatens TAD in AO in Unloading Room (Diesel Present)		1.3E-07	1.1E-07	2.9E-07	2.5E+00	Lognormal
Localized Fire Threatens DPC (VTC) in AO in Unloading Room (Diesel Present)		1.2E-07	1.0E-07	2.7E-07	2.4E+00	Lognormal
Localized Fire Threatens Waste Form in Vestibule/Preparation Area w/SPM (Diesel Present)	Site Prime Mover					
Localized Fire Threatens TC/TAD in Vestibule/Preparation Area w/SPM (Diesel Present)		4.7E-07	4.2E-07	1.1E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/HLW in Vestibule/Preparation Area w/SPM (Diesel Present)		4.9E-07	4.3E-07	1.1E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DOE SNF in Vestibule/Preparation Area w/SPM (Diesel Present)		4.9E-07	4.3E-07	1.1E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DPC (VTC) in Vestibule/Preparation Area (Diesel Present)		4.9E-07	4.3E-07	1.1E-06	2.2E+00	Lognormal
Localized Fire Threatens Waste Form in Preparation Area w/o SPM (No Diesel Present)	Railcar					
Localized Fire Threatens TC/TAD in Preparation Area w/o SPM (No Diesel Present)		2.2E-06	2.0E-06	4.7E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/HLW in Preparation Area w/o SPM (No Diesel Present)		2.6E-06	2.3E-06	5.6E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DOE SNF in Preparation Area w/o SPM (No Diesel Present)		2.2E-06	2.0E-06	4.7E-06	2.2E+00	Lognormal
Localized Fire Threatens TC/DPC (VTC) in Preparation Area (No Diesel Present)		1.9E-06	1.7E-06	4.1E-06	2.1E+00	Lognormal
Localized Fire Threatens Waste Form in AO in Vestibule/Preparation Area (Diesel Present)	Site Transporter					
Localized Fire Threatens TAD in AO in Vestibule/Preparation Area (Diesel Present)		2.9E-06	2.6E-06	6.3E-06	2.2E+00	Lognormal
Localized Fire Threatens DPC (VTC) in AO in Vestibule/Preparation Area (Diesel Present)		4.2E-06	3.8E-06	9.2E-06	2.1E+00	Lognormal
Localized Fire Threatens Waste Form on CTT in Preparation Area	Cask Transfer Trolley					
Localized Fire Threatens TC/TAD on CTT in Preparation Area		2.6E-06	2.4E-06	6.0E-06	2.1E+00	Lognormal
Localized Fire Threatens TC/HLW on CTT in Preparation Area		2.3E-06	2.1E-06	5.3E-06	2.0E+00	Lognormal
Localized Fire Threatens TC/DOE SNF on CTT in Preparation Area		2.5E-06	2.2E-06	5.6E-06	2.3E+00	Lognormal
Localized Fire Threatens TC/DPC (VTC) in Preparation Area		2.5E-06	2.2E-06	5.6E-06	2.2E+00	Lognormal
Localized Fire Threatens Waste Form in CTM in Transfer Room	Canister Transfer Machine					
Localized Fire Threatens TAD in CTM in Transfer Room		1.1E-07	1.0E-07	2.5E-07	2.0E+00	Lognormal
Localized Fire Threatens HLW in CTM in Transfer Room (per individual canister)		1.3E-07	1.2E-07	2.9E-07	2.0E+00	Lognormal
Localized Fire Threatens DOE SNF in CTM in Transfer Room (per individual canister)		1.1E-07	1.0E-07	2.5E-07	2.0E+00	Lognormal
Localized Fire Threatens DPC in CTM in Transfer Room		1.2E-07	1.1E-07	2.7E-07	1.9E+00	Lognormal
Large Fire Threatens TC/TAD (Diesel Present)	-	1.2E-06	1.1E-06	2.8E-06	2.3E+00	Lognormal
Large Fire Threatens TC/TAD (No Diesel)	-	1.9E-05	1.7E-05	4.4E-05	2.2E+00	Lognormal
Large Fire Threatens TAD in AO (Diesel Present)	-	6.5E-06	5.8E-06	1.5E-05	2.2E+00	Lognormal
Large Fire Threatens TAD in CTM	-	8.6E-07	7.7E-07	2.0E-06	2.2E+00	Lognormal
Large Fire Threatens TAD in WP in WPTT	-	5.9E-05	5.3E-05	1.4E-04	2.1E+00	Lognormal
Large Fire Threatens TAD in WP in TEV	-	1.0E-06	9.1E-07	2.3E-06	2.0E+00	Lognormal

Large Fire Threatens TC/HLW (Diesel Present)	-	1.2E-06	1.1E-06	2.8E-06	2.3E+00	Lognormal
Large Fire Threatens TC/HLW (No Diesel)	-	2.0E-05	1.7E-05	4.6E-05	2.4E+00	Lognormal
Large Fire Threatens HLW in CTM (per indiv canister)	-	8.6E-07	7.7E-07	2.0E-06	2.2E+00	Lognormal
Large Fire Threatens HLW in WP	-	7.3E-06	6.6E-06	1.7E-05	2.1E+00	Lognormal
Large Fire Threatens HLW and DOE SNF in WP	-	6.1E-05	5.5E-05	1.4E-04	2.2E+00	Lognormal
Large Fire Threatens TC/DOE SNF (Diesel Present)	-	1.2E-06	1.1E-06	2.8E-06	2.3E+00	Lognormal
Large Fire Threatens TC/DOE SNF (No Diesel)	-	1.8E-05	1.7E-05	4.2E-05	2.0E+00	Lognormal
Large Fire Threatens DOE SNF in CTM (per canister)	-	6.4E-07	5.8E-07	1.5E-06	2.1E+00	Lognormal
Large Fire Threatens DOE SNF in Staging Area	-	5.8E-01	5.2E-01	1.4E+00	2.2E+00	Lognormal
Large Fire Threatens TC/DPC (VTC) (Diesel)	-	1.2E-06	1.1E-06	2.9E-06	2.0E+00	Lognormal
Large Fire Threatens TC/DPC (VTC) (No Diesel)	-	1.7E-05	1.5E-05	4.0E-05	2.1E+00	Lognormal
Large Fire Threatens DPC (VTC) in CTM	-	7.1E-07	6.3E-07	1.6E-06	2.2E+00	Lognormal
Large Fire Threatens DPC (VTC) in AO (Diesel)	-	8.5E-06	7.6E-06	2.0E-05	2.2E+00	Lognormal

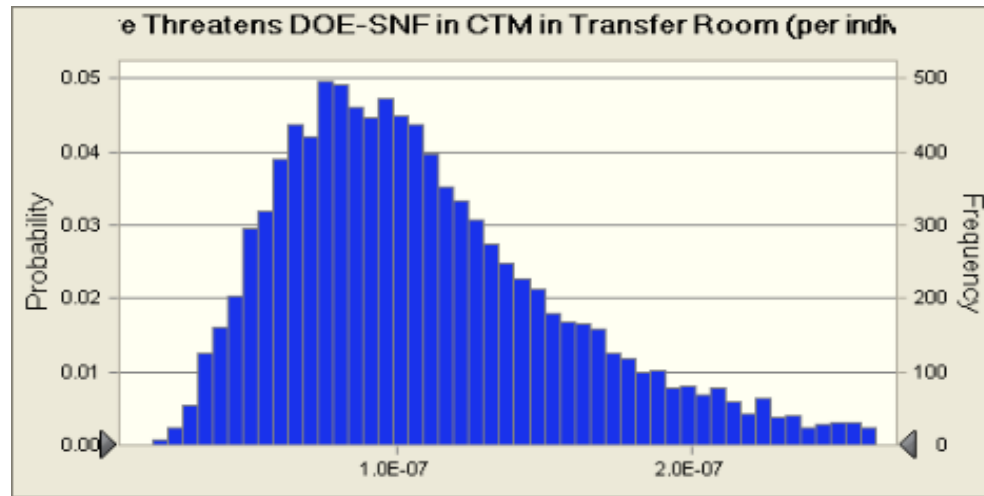
	Mean	Median	Sum mean	Sum median	
Localized Fire Threatens TC/DPC (VTC) in Cask Unloading Room	6.4E-08	5.8E-08	1.8E-07	1.7E-07	2.1E+00
Localized Fire Threatens DPC (VTC) in AO in Unloading Room (Diesel Present)	1.2E-07	1.1E-07			
Localized Fire Threatens TC/DPC (VTC) in Vestibule/Preparation Area (Diesel Present)	4.9E-07	4.4E-07	9.1E-06	8.2E-06	2.1E+00
Localized Fire Threatens TC/DPC (VTC) in Preparation Area (No Diesel Present)	1.9E-06	1.7E-06			
Localized Fire Threatens DPC (VTC) in AO in Vestibule/Preparation Area (Diesel Present)	4.2E-06	3.8E-06			
Localized Fire Threatens TC/DPC (VTC) in Preparation Area	2.5E-06	2.2E-06			
Localized Fire Threatens TC/DPC (VTC) in Vestibule/Preparation Area (Diesel Present)	4.9E-07	4.4E-07	4.9E-06	4.4E-06	2.1E+00
Localized Fire Threatens TC/DPC (VTC) in Preparation Area (No Diesel Present)	1.9E-06	1.7E-06			
Localized Fire Threatens TC/DPC (VTC) in Preparation Area	2.5E-06	2.2E-06			
Large Fire Threatens TC/DPC (VTC) (No Diesel)	1.7E-05	1.6E-05	2.7E-05	2.4E-05	2.0E+00
Large Fire Threatens TC/DPC (VTC) (Diesel)	1.2E-06	1.1E-06			
Large Fire Threatens DPC (VTC) in AO (Diesel)	8.5E-06	7.7E-06			
Localized Fire Threatens TC/DOE SNF in Vestibule/Preparation Area w/SPM (Diesel Present)	4.9E-07	4.4E-07	5.2E-06	4.6E-06	2.2E+00
Localized Fire Threatens TC/DOE SNF in Preparation Area w/o SPM (No Diesel Present)	2.2E-06	2.0E-06			
Localized Fire Threatens TC/DOE SNF on CTT in Preparation Area	2.5E-06	2.2E-06			
Large Fire Threatens DOE SNF in Staging Area	5.8E-01	5.3E-01	5.8E-01	5.3E-01	2.1E+00
Large Fire Threatens DOE SNF in CTM (per canister)	6.4E-07	5.8E-07			
Large Fire Threatens TC/DOE SNF (Diesel Present)	1.2E-06	1.1E-06			
Large Fire Threatens TC/DOE SNF (No Diesel)	1.8E-05	1.7E-05			
Localized Fire Threatens TC/MCO/DOE SNF in Vestibule/Preparation Area w/SPM (Diesel Present)	4.9E-07	4.4E-07	5.2E-06	4.6E-06	2.2E+00
Localized Fire Threatens TC/MCO/DOE SNF in Preparation Area w/o SPM (No Diesel Present)	2.2E-06	2.0E-06			
Localized Fire Threatens TC/DOE SNF on CTT in Preparation Area	2.5E-06	2.2E-06			
Large Fire Threatens TC/DOE SNF (Diesel Present)	1.2E-06	1.1E-06	2.0E-05	1.8E-05	1.9E+00
Large Fire Threatens TC/DOE SNF (No Diesel)	1.8E-05	1.7E-05			
Large Fire Threatens DOE SNF-MCO in CTM (per canister)	6.4E-07	5.8E-07			
Localized Fire Threatens TC/HLW in Vestibule/Preparation Area w/SPM (Diesel Present)	4.9E-07	4.4E-07	5.4E-06	4.9E-06	2.1E+00
Localized Fire Threatens TC/HLW in Preparation Area w/o SPM (No Diesel Present)	2.6E-06	2.3E-06			
Localized Fire Threatens TC/HLW on CTT in Preparation Area	2.3E-06	2.1E-06			
Large Fire Threatens TC/HLW (Diesel Present)	1.2E-06	1.1E-06	2.9E-05	2.6E-05	2.2E+00
Large Fire Threatens TC/HLW (No Diesel)	2.0E-05	1.8E-05			
Large Fire Threatens HLW in CTM (per indiv canister)	8.6E-07	7.8E-07			
Large Fire Threatens HLW in WP	7.3E-06	6.6E-06			
Localized Fire Threatens TC/TAD on CTT in Unloading Room	1.2E-07	1.1E-07	2.5E-07	2.2E-07	2.2E+00
Localized Fire Threatens TAD in AO in Unloading Room (Diesel Present)	1.3E-07	1.1E-07			
Localized Fire Threatens TC/TAD in Vestibule/Preparation Area w/SPM (Diesel Present)	4.7E-07	4.2E-07	8.2E-06	7.4E-06	2.1E+00
Localized Fire Threatens TC/TAD in Preparation Area w/o SPM (No Diesel Present)	2.2E-06	2.0E-06			
Localized Fire Threatens TAD in AO in Vestibule/Preparation Area (Diesel Present)	2.9E-06	2.6E-06			
Localized Fire Threatens TC/TAD on CTT in Preparation Area	2.6E-06	2.4E-06			
Localized Fire Threatens TC/TAD in Vestibule/Preparation Area w/SPM (Diesel Present)	4.7E-07	4.2E-07	5.3E-06	4.8E-06	2.1E+00
Localized Fire Threatens TC/TAD in Preparation Area w/o SPM (No Diesel Present)	2.2E-06	2.0E-06			
Localized Fire Threatens TC/TAD on CTT in Preparation Area	2.6E-06	2.4E-06			
Localized Fire Threatens TAD/WP in TEV in Loadout Room	1.9E-07	1.7E-07	9.2E-07	8.3E-07	2.1E+00
Localized Fire Threatens TAD in WP in Loadout Room	7.3E-07	6.6E-07			
Large Fire Threatens TC/TAD (Diesel Present)	1.2E-06	1.1E-06			

Large Fire Threatens TC/TAD (No Diesel)	1.9E-05	1.7E-05	8.8E-05	8.0E-05	2.1E+00
Large Fire Threatens TAD in AO (Diesel Present)	6.5E-06	5.9E-06			
Large Fire Threatens TAD in WP in WPTT	5.9E-05	5.4E-05			
Large Fire Threatens TAD in WP in TEV	1.0E-06	9.2E-07			
Large Fire Threatens TAD in CTM	8.6E-07	7.8E-07			
Localized Fire Threatens H&D in WP in TEV in Loadout Room	1.9E-07	1.7E-07	9.2E-07	8.3E-07	2.1E+00
Localized Fire Threatens H&D in WP in Loadout Room	7.3E-07	6.6E-07			
Localized Fire Threatens H&M in WP in TEV in Loadout Room	1.9E-07	1.7E-07	9.2E-07	8.3E-07	2.1E+00
Localized Fire Threatens H&M in WP in Loadout Room	7.3E-07	6.6E-07			

Forecast: Localized Fire Threatens DOE-SNF in CTM in Transfer Room (per individual canister)

Summary:

Entire range is from 1.2E-08 to 5.6E-07
 Base case is 1.0E-07
 After 10,000 trials, the std. error of the mean is 5.4E-10



Statistics:	Forecast values
Trials	10,000
Mean	1.1E-07
Median	1.0E-07
Mode	---
Standard Deviation	5.4E-08
Variance	2.9E-15
Skewness	1.33
Kurtosis	5.85
Coeff. of Variability	0.4813
Minimum	1.2E-08
Maximum	5.6E-07
Range Width	5.5E-07
Mean Std. Error	5.4E-10

Forecast Values	Excel Calculated Percentile	Crystal Ball Percentile	Difference
1.18E-08	0.00	0	0.00
5.49E-08	8.68	10	1.32
6.8E-08	18.84	20	1.16
7.9E-08	29.08	30	0.92
9.0E-08	39.81	40	0.19
1.0E-07	49.98	50	0.02
1.1E-07	59.86	60	0.14
1.3E-07	70.27	70	0.27
1.5E-07	80.58	80	0.58
1.8E-07	90.82	90	0.82
5.6E-07	99.99	100	0.01
Mu	-16.1067	Mean	1.12E-07
Sigma	0.4496	Median	1.01E-07

**The Forecast Values are calculated by Crystal Ball according to the pre-determined Percentiles. To check that this distribution is lognormal, Excel function LOGNORMDIST was utilized to calculate the percentiles based on the forecast values. The Calculated Percentile and Standard Percentile columns are compared and found to be well matched, indicating that the distribution is a good fit for lognormal.

Forecast: Localized Fire Threatens DOE-SNF in CTM in Transfer Room (per individual canister) (cont'd)

Percentiles:	Forecast values
0%	1.2E-08
10%	5.5E-08
20%	6.8E-08
30%	7.9E-08
40%	9.0E-08
50%	1.0E-07
60%	1.1E-07
70%	1.3E-07

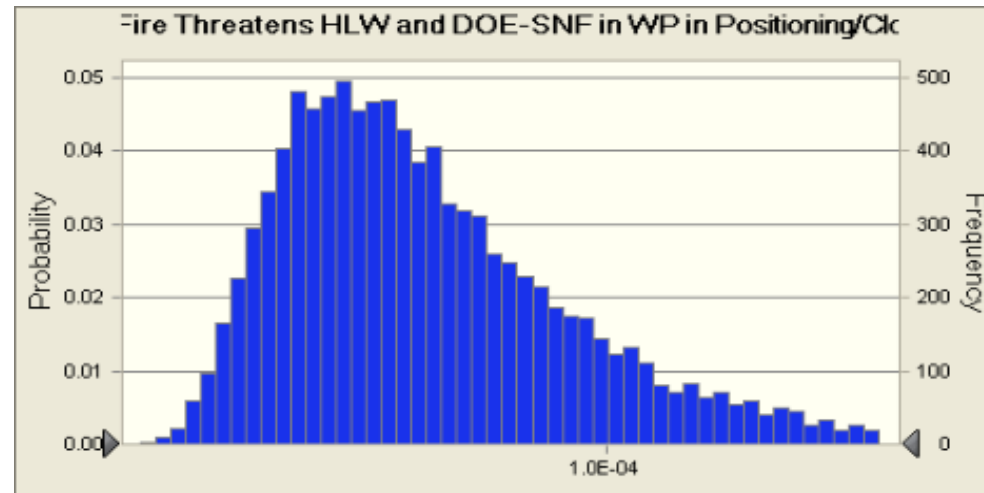
80% 1.5E-07
 90% 1.8E-07
 100% 5.6E-07

Cell: O31

Forecast: Localized Fire Threatens HLW and DOE-SNF in WP in Positioning/Closure Room

Summary:

Entire range is from 8.3E-06 to 3.1E-04
 Base case is 6.0E-05
 After 10,000 trials, the std. error of the mean is 3.1E-07



Forecast Values	Calculated Percentile	Standard Percentile	Difference
8.3E-06	0.00	0	0.00
3.3E-05	10.66	10	0.66
4.0E-05	20.27	20	0.27
4.7E-05	30.30	30	0.30
5.3E-05	40.33	40	0.33
5.9E-05	49.99	50	0.01
6.7E-05	59.91	60	0.09
7.6E-05	70.13	70	0.13
8.8E-05	80.31	80	0.31
1.1E-04	89.94	90	0.06
3.1E-04	99.98	100	0.02
Mu	-9.73	Mean	6.6E-05
Sigma	0.46	Median	5.9E-05

Statistics:

Forecast values
 Trials 10,000
 Mean 6.6E-05
 Median 5.9E-05
 Mode 9.4E-05
 Standard Deviation 3.1E-05
 Variance 9.8E-10
 Skewness 1.36
 Kurtosis 5.90
 Coeff. of Variability 0.4755
 Minimum 8.3E-06
 Maximum 3.1E-04
 Range Width 3.0E-04
 Mean Std. Error 3.1E-07

Forecast: Localized Fire Threatens HLW and DOE-SNF in WP in Positioning/Closure Room

Cell: O31

Percentiles:

Forecast values
 0% 8.3E-06
 10% 3.3E-05
 20% 4.0E-05
 30% 4.7E-05
 40% 5.3E-05

50%	5.9E-05
60%	6.7E-05
70%	7.6E-05
80%	8.8E-05
90%	1.1E-04
100%	3.1E-04