MicroShield 7.02
Dominion (07-MSD-7.02-1318)

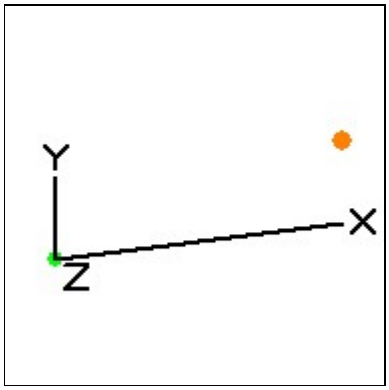
Date	By	Checked

Filename	Run Date	Run Time	Duration
ANS_I.MS7	August 15, 2020	8:04:23 PM	00:00:00

Project Info	
Case Title	ANSI Ref. Prob. I.1
Description	MS7 test
Geometry	1 - Point

Dose Points			
A	X	Y	Z
#1	6.1e+3 cm (200 ft)	1.7e+3 cm (57 ft)	0.0 cm (0.0 in)

Shields			
Shield N	Dimension	Material	Density
Air Gap		Air	0.00122



Source Input: Grouping Method - User Defined Energies				
Group #	Energy (MeV)	Activity (Photons/sec)	Point Source Photons/sec	% Energy Activity
1	6.2	1.0000e+000	1.0000e+000	100.000%

Buildup: The material reference is Air Gap
Integration Parameters

Results					
Energy (MeV)	Activity (Photons/sec)	Fluence Rate MeV/cm²/sec No Buildup	Fluence Rate MeV/cm²/sec With Buildup	Exposure Rate mR/hr No Buildup	Exposure Rate mR/hr With Buildup
6.2	1.000e+00	1.014e-08	1.110e-08	1.091e-11	1.194e-11
Totals	**1.000e+00**	**1.014e-08**	**1.110e-08**	**1.091e-11**	**1.194e-11**
	Sensitivity	**Variable**	**X Dose Point 1**	**(1 of 5)**	**(1000 ft)**
6.2	1.000e+00	2.103e-10	3.097e-10	2.263e-13	3.332e-13
Totals	**1.000e+00**	**2.103e-10**	**3.097e-10**	**2.263e-13**	**3.332e-13**
	Sensitivity	**Variable**	**X Dose Point 1**	**(2 of 5)**	**(2000 ft)**
6.2	1.000e+00	2.099e-11	3.955e-11	2.258e-14	4.255e-14
Totals	**1.000e+00**	**2.099e-11**	**3.955e-11**	**2.258e-14**	**4.255e-14**
	Sensitivity	**Variable**	**X Dose Point 1**	**(3 of 5)**	**(3000 ft)**
6.2	1.000e+00	3.714e-12	8.454e-12	3.996e-15	9.096e-15
Totals	**1.000e+00**	**3.714e-12**	**8.454e-12**	**3.996e-15**	**9.096e-15**
	Sensitivity	**Variable**	**X Dose Point 1**	**(4 of 5)**	**(4000 ft)**
6.2	1.000e+00	8.314e-13	2.223e-12	8.945e-16	2.391e-15

Totals	1.000e+00	8.314e-13	2.223e-12	8.945e-16	2.391e-15
	Sensitivity	Variable	X Dose Point 1	(5 of 5)	(5000 ft)
6.2	1.000e+00	2.117e-13	6.484e-13	2.278e-16	6.977e-16
Totals	1.000e+00	2.117e-13	6.484e-13	2.278e-16	6.977e-16

Sensitivity Analysis Summary - X Dose Point 1						
Dose Point #	Sensitivity	Sensitivity Dimension	Fluence Rate MeV/cm²/sec No Buildup	Fluence Rate MeV/cm²/sec With Buildup	Exposure Rate mR/hr No Buildup	Exposure Rate mR/hr With Buildup
1	(1 of 5)	(1000 ft)	2.103e-10	3.097e-10	2.263e-13	3.332e-13
1	(2 of 5)	(2000 ft)	2.099e-11	3.955e-11	2.258e-14	4.255e-14
1	(3 of 5)	(3000 ft)	3.714e-12	8.454e-12	3.996e-15	9.096e-15
1	(4 of 5)	(4000 ft)	8.314e-13	2.223e-12	8.945e-16	2.391e-15
1	(5 of 5)	(5000 ft)	2.117e-13	6.484e-13	2.278e-16	6.977e-16