

Data Table 6-18, Comparison of Measured vs. Calculated Tritium in Air Concentrations					
		pCi/m³			
Source of Data		Avg Conc	Max. Sector		
Measured		5.2	9.5		
Calculated:					
MAXDOSE-SR		9.9	20.2		
CAP88		7.6	11.0		
CAP88 Chi/Q and HTO Concentration Calculated from Chi/Q based on Curies Released:					
2.09E+02	0-m Ci/yr				
2.09E+04	61-m Ci/yr				
2007-2011 Chi/Q					
Toward Sector	Distance m	61-m sec/m³	0-m sec/m³	HTO Conc. pCi/m³	
N	15621	1.635E-08	2.444E-08	11.0	
NNW	15032	1.221E-08	1.877E-08	8.2	
NW	14470	9.842E-09	1.455E-08	6.6	
WNW	13684	9.432E-09	1.353E-08	6.3	
W	13880	1.043E-08	1.378E-08	7.0	
WSW	15341	1.247E-08	1.637E-08	8.4	
SW	15944	1.473E-08	2.088E-08	9.9	
SSW	16759	8.944E-09	1.386E-08	6.0	
S	15034	6.581E-09	1.060E-08	4.4	
SSE	15030	6.171E-09	1.035E-08	4.2	
SE	15032	7.437E-09	1.154E-08	5.0	
ESE	15302	1.105E-08	1.573E-08	7.4	
E	13013	1.269E-08	1.773E-08	8.5	
ENE	15985	1.416E-08	2.048E-08	9.5	
NE	17202	1.424E-08	2.111E-08	9.6	
NNE	16082	1.502E-08	2.370E-08	10.1	
Maximum		1.635E-08	2.444E-08	11.0	
Minimum		6.171E-09	1.035E-08	4.2	
Mean		1.136E-08	1.671E-08	7.6	
Measured HTO Concentration in Air at Site Perimeter 2012 (from Data Table 5-3)					
pCi/m³					
Location of Air					
Allendale Gate		2.4			
Barnwell Gate		4.1			
D Area		9.5			
Darkhorse		4.9			
East Talatha		4.1			
Greenpond		4.8			
Highways 21 & 167		4.3			
Jackson		4.8			
Patterson Mill Road		3.8			
Talatha Gate		9.3			
Maximum		9.5			
Minimum		2.4			
Mean		5.2			