

NOTE: (a) Measured HTO Concentration in Air at Site Perimeter (from Data Table 5-3)

Data Table 6-18 Comparison of Measured vs. Calculated Tritium in Air Concentrations
2014 Tritium in Air Concentration Comparison

Source of Data	pCi/m ³	
	Avg Conc	Max. Sector
Measured	4.6	6.6
Calculated:		
MAXDOSE-SR	10.9	22.5
CAP88PC	9.9	14.2

CAP88 Chi/Q and HTO Concentration Calculated from Chi/Q based on Curies Released:	
2.35E+02	0-m Ci/yr
2.70E+04	61-m Ci/yr

2007-2011 Chi/Q				
Toward Sector	Distance m	61-m sec/m ³	0-m sec/m ³	HTO Conc. pCi/m ³
N	15621	1.635E-08	2.444E-08	14.2
NNW	15032	1.221E-08	1.877E-08	10.6
NW	14470	9.842E-09	1.455E-08	8.5
WNW	13684	9.432E-09	1.353E-08	8.2
W	13880	1.043E-08	1.378E-08	9.0
WSW	15341	1.247E-08	1.637E-08	10.8
SW	15944	1.473E-08	2.088E-08	12.8
SSW	16759	8.944E-09	1.386E-08	7.8
S	15034	6.581E-09	1.060E-08	5.7
SSE	15030	6.171E-09	1.035E-08	5.4
SE	15032	7.437E-09	1.154E-08	6.5
ESE	15302	1.105E-08	1.573E-08	9.6
E	13013	1.269E-08	1.773E-08	11.0
ENE	15985	1.416E-08	2.048E-08	12.3
NE	17202	1.424E-08	2.111E-08	12.3
NNE	16082	1.502E-08	2.370E-08	13.0
Maximum		1.635E-08	2.444E-08	14.2
Minimum		6.171E-09	1.035E-08	5.4
Mean		1.136E-08	1.671E-08	9.9

Location ^(a)	Air (pCi/m ³)
Allendale Gate	3.0
Barnwell Gate	5.0
D Area	6.6
Darkhorse	5.2
East Talatha	5.2
Greenpond	5.0
Highways 21 & 167	3.5
Jackson	4.3
Patterson Mill Road	3.8
Talatha Gate	4.5
Maximum	6.6
Minimum	3.0
Mean	4.6