

NRC / ENERCON Dose Assessment of HMI Site

	Variable	NRC Value	HMI Value	Impact on HMI DA usng NRC value
	Starting Dose Result	43 mrem/y	23.52 mrem/yr	
1	Th-232 avg concentration	2.3	2.4	22.96 mrem/y
2	CZ Density	1.5	1.4	24.06 mrem/y
3	CZ Porosity	0.4	0.25	23.52 mrem/y
4	UZ Thickness	0.15	2	23.52 mrem/y
5	Indoor Fraction	0.6833@	0.5	30.12 mrem/y
6	CZ Thickness	1	0.15	34.07 mrem/y
7	Outdoor Fraction	0.25	0.0833	32.06 mrem/y

@ = EPA EFH Value

	Combinations	Impact on HMI DA usng NRC value
A	1,2,3,4,5	30.07 mrem/y
B	1,2,3,4,6	33.32 mrem/y
C	1,2,3,4,5,6	40.95 mrem/y
D	1,2,3,4,5,6,7	43.2 mrem y
E	5,7	30.12 mrem/yr

Combination 'C' incorporates the HMI comment about using the EPA EFH value for Outdoor fraction, but couples it with the EPA EFH value for Indoor fraction. This combination retains the NRC value of 1m for the CZ thickness

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