

Request Information		Mk-1		Mk-2		Mk-3		Mk-4		Mk-5		Mk-6		Mk-7		Mk-8		Mk-9		Mk-10		Mk-11		Mk-12		Mk-13		Mk-14		Mk-15	
Elevation & Volume Information																															
NRC Request #1: 3a	Representative Normal Water Level	Feet	211.25		875		71.2		100.2		403.71		-5.00		-24	valve into submersible into	507		101.9		101.9		570.7				(+/-) 2.75	13.34	729.75	14.87	
NRC Request #1: 3b	Normal Water Volume	Cubic Feet	1122077		809703		520831		520831		80374		Average of minimum level		620000	620000	620000	620000	101430		101430		85218.2				800000	107000.3	1000000	750	505040
NRC Request #1: 3d,3e	Minimum Water Termination Water Level	Feet	227.5		860.75		775.5		175.5		509		17.5		17.5	800000	800000	800000	101430		101430		586.5				101430	100000	750	Appendix D	1000000
NRC Request #1: 3c	Total Normal Volume	Cubic Feet	1402080				1000032		1000032		173948		1370000 (dist from 210,000 gpm)		274000	274000	274000	274000	100000		100000		1710300.2				1000000	1000000	750	Appendix D	1000000
NRC Request #1: 1i	Control Tower	Feet	225.0		This is 100.0 ft above bottom of tank. Tank bottom is 200.0 ft elevation.		860.30		100.20		507.0		10.20		4.5	4.5	4.5	4.5	100		100		207				207	750	750	Appendix D	20.40
NRC Request #1: 3i	Physical Diameter of Drywell Vent Opening	Feet	30.1				30.1		30.1		30.1		30.1		30.1	30.1	30.1	30.1	30.1		30.1		30.1				30.1	30.1	750	Appendix D	100.0
NRC Request #1: 3d	Physical Depth of Drywell Vent Opening	Feet	150.3				150.3		150.3		150.3		150.3		150.3	150.3	150.3	150.3	150.3		150.3		150.3				150.3	150.3	750	Appendix D	100.0
Containment Safety System Information																															
NRC Request #1: 3p	# of DVI Spray Rings		7		2		2		2		2		4		2		2		2		2		2				2		2		2
NRC Request #1: 3a	DVI Spray Ring Header 1 Elevation	Feet	310.25		850		120.17		151.1		527.2		32		54.5	54.5	54.5	54.5	163.75		163.75		528.07				54.5	527.0	751	NA	54.20
NRC Request #1: 3a	DVI Spray Ring Header 2 Elevation	Feet	308		877.5		172.30		172		525.75		30		48.77	48.77	48.77	48.77	144.39		144.39		527.59				48.77	521.77	750	NA	48.0
NRC Request #1: 3a	DVI Spray Ring Header 3 Elevation	Feet	306				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 4 Elevation	Feet	299				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 5 Elevation	Feet	293				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 6 Elevation	Feet	287				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 7 Elevation	Feet	281				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 8 Elevation	Feet	275				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 9 Elevation	Feet	269				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 10 Elevation	Feet	263				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 11 Elevation	Feet	257				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 12 Elevation	Feet	251				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 13 Elevation	Feet	245				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 14 Elevation	Feet	239				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 15 Elevation	Feet	233				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 16 Elevation	Feet	227				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 17 Elevation	Feet	221				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 18 Elevation	Feet	215				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 19 Elevation	Feet	209				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 20 Elevation	Feet	203				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 21 Elevation	Feet	197				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 22 Elevation	Feet	191				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 23 Elevation	Feet	185				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 24 Elevation	Feet	179				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 25 Elevation	Feet	173				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 26 Elevation	Feet	167				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 27 Elevation	Feet	161				163		163		523		20		46	46	46	46	140.39		140.39		525.59				46	521.59	750	NA	46.0
NRC Request #1: 3a	DVI Spray Ring Header 28 Elevation	Feet	155				163		163		523		20																		

NRC Request #2: 5c	Set to open pressure each valve	PSIG	1175(2); 1195(6); 1205(8)	1190 1190 1190 1180 1190 1190 1170 1170 1180 1170 1180 1170 1180						2 @ 1185 PSIG 4 @ 1175 PSIG 4 @ 1185 PSIG 4 @ 1195 PSIG 4 @ 1205 PSIG	These values are for the safety mode of the Safety Relief Valves. Reset pressure is 91% of set pressure	2 @ 1165 psig, 4 @ 1175 psig, 4 @ 1185 psig, 4 @ 1195 psig, 4 @ 1205 psig		
NRC Request #2: 5d	Discharge elevation if directly to drywell	Feet	NA							N/A	All go to Suppression Pool through T separators	12'-11" above wet well floor	MSTRVs discharge to the Suppression Pool	
Main Steam Relief or Safety Relief Valves														
NRC Request #2: 6a	Relief valve set pressure, each valve	PSIG	range from 1106 - 1146 psig		N/A	No Relief valves.	B21-F013C: 1175 B21-F013C: 1175 B21-F013D: 1175 B21-F013F: 1185 B21-F013H: 1195 B21-F013K: 1175 B21-F013L: 1195 B21-F013M: 1195 B21-F013P: 1185 B21-F013R: 1205 B21-F013S: 1146 B21-F013U: 1146 B21-F013V: 1205			2 @ 1103 PSIG 4 @ 1113 PSIG 4 @ 1123 PSIG 4 @ 1133 PSIG 4 @ 1143 PSIG	Note that this set of 18 SRVs is the same as those listed above under Safety Valves. The 18 valves serve a combined function, one is relief mode, the other is Safety mode.	2 @ 1091 psig, 4 @ 1101 psig, 4 @ 1111 psig, 4 @ 1121 psig, 4 @ 1131 psig		
NRC Request #2: 6b	Safety valve set pressure, each valve	PSIG	range from 1175 - 1205 psig		N/A	Valve S 1076 psig (closes at 1046 per LUS) Valve U 1076 psig (closes at 1006 per LUS) Valve C 1096 psig Valve D 1099 psig Valve E 1098 psig Valve K 1096 psig Valve L 1096 psig Valve P 1096 psig Valve R 1106 psig Valve S 1106 psig Valve T 1106 psig Valve V 1106 psig Valve W 1106 psig Valve X 1116 psig Valve Y 1116 psig			2 @ 1165 PSIG 4 @ 1175 PSIG 4 @ 1185 PSIG 4 @ 1195 PSIG 4 @ 1205 PSIG	These values are for the safety mode of the Safety Relief Valves. Reset pressure is 91% of set pressure	2 @ 1165 psig, 4 @ 1175 psig, 4 @ 1185 psig, 4 @ 1195 psig, 4 @ 1205 psig			
NRC Request #2: 6c	Electric power required for manual operation?	Yes/No	yes		N/A					Yes	Pneumatics also required	Yes		