

Attachment 1
Proposed Changes to
FNP-2 Technical Specifications

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TABLE 3.7-4a

SAFETY RELATED HYDRAULIC SNUBBERS*

FARLEY - UNIT 2

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<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2RC-R2#	Reactor Coolant CTMT Bldg., EL. 122'-11 3/4" N.W. Quad.	I	Yes	Yes
2RC-R65	CTMT Bldg., EL. 123'-9" S.W. Quad.	I	Yes	Yes
2RC-R71	CTMT Bldg., EL. 114'-0" S.W. Quad.	I	Yes	No
2RC-R75#	CTMT Bldg., EL. 116'-7 7/16" and EL. 118'-9 7/16", S.W. Quad.	I	No	No
2RC-R76#	CTMT Bldg., EL. 116'-11" and EL. 119'-1", S.W. Quad.	I	No	No
2RC-R79#	CTMT Bldg., EL. 117'-2" and EL. 118'-10" S.W. Quad.	I	No	No
2RC-R81#	CTMT Bldg., EL. 117' 5 1/2" and EL. 118' 6 1/2" N.W. Quad.	I	No	No
2RC-R83#	CTMT Bldg., EL. 117' 5 1/2" and EL. 118' 6 1/4", N. W. Quad	I	No	No
2RC-R85#	CTMT Bldg., EL. 117' 7 1/4" and EL. 118' 4 3/4", N.W. Quad.	I	No	No
2RC-R87#	CTMT Bldg., EL. 117'-4" and EL. 118'-8", N.W. Quad	I	Yes	No
2RC-R90	CTMT Bldg., EL. 118'-0" N.W. Quad.	I	Yes	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

FARLEY-UNIT 2	SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE** (A or I)	HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
3/4 7-26	2RC-R24	CTMT Bldg., EL. 107' 1" S.E. Quad.	I	Yes	No
	2RC-R92	CTMT Bldg., EL. 119' -0" N.W. Quad.	I	Yes	No
	2RC-R19#	CTMT Bldg., EL. 124' 0" N.W. Quad.	I	Yes	Yes
	2RC-R50#	CTMT Bldg., EL. 124' 0" N.W. Quad.	I	Yes	Yes
	2RC-R53	CTMT Bldg., EL. 121' 3" N.W. Quad.	I	Yes	Yes
	2RC-R44	CTMT Bldg., EL. 121' -0" S.W. Quad.	I	Yes	Yes
	2RC-R46	CTMT Bldg., EL. 121' -0" S.W. Quad.	I	Yes	Yes
	2RC-R47	CTMT Bldg., EL. 121' -0" S.W. Quad.	I	Yes	Yes
	2RC-R49	CTMT Bldg., EL. 124' -0" S.W. Quad.	I	Yes	Yes
	2RC-R58	CTMT Bldg., EL. 123' -0" N.W. Quad.	I	Yes	Yes
	2RC-R59	CTMT Bldg., EL. 122' -6" N.W. Quad.	I	Yes	Yes
	2RC-R101	CTMT Bldg., EL. 144' -0" N.W. Quad.	I	No	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

FARLEY-UNIT 2

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<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2RC-R103	CTMT Bldg., EL. 144'-0" N.W. Quad.	I	No	Yes
2RC-R105	CTMT Bldg., EL. 144'-0" N.W. Quad.	I	No	Yes
2RC-R108	CTMT Bldg., EL. 144'-0" N.W. Quad.	I	No	Yes
2RTD-R158	CTMT Bldg., EL. 126'-6" N.W. Quad.	I	Yes	Yes
2RTD-R160	CTMT Bldg., EL. 125'-1" N.W. Quad.	I	Yes	Yes
2RTD-R161	CTMT Bldg., EL. 125'-1" N.W. Quad.	I	Yes	Yes
2RTD-R162	CTMT Bldg., EL. 125'-1" N.W. Quad.	I	Yes	Yes
2RTD-R163	CTMT Bldg., EL. 125'-1" N. W. Quad.	I	Yes	Yes
2RTD-R165	CTMT Bldg., EL. 124'-6 3/4" S.W. Quad.	I	Yes	Yes
2RTD-R166	CTMT Bldg., EL. 124'-4 1/4" S.W. Quad.	I	Yes	Yes
2RTD-R167	CTMT Bldg., EL. 123'-10" S.W. Quad.	I	Yes	Yes
2RTD-R168	CTMT Bldg., EL. 123'-10" S.W. Quad.	I	Yes	Yes

RILEY-UNIT 2

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FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2RTD-R132	Ctmt. Bldg., El. 123"-10" N.E. Quad.	I	Yes	Yes
2RTD-R133	Ctmt. Bldg., El. 123'-10" N.E. Quad.	I	Yes	Yes
2RC-R73	Ctmt. Bldg., El. 117'-8 7/16" S.W. Quad.	I	Yes	No
2RC-R112	Ctmt. Bldg., El. 150'-11 15/16" N.W. Quad.	I	Yes	Yes
2RC-R120#	Ctmt. Bldg., El. 157'-6" N.W. Quad.	I	Yes	Yes
2RTD-BR8	Ctmt. Bldg., El. 126'-9" N.E. Quad.	I	Yes	Yes
2RTD-BR13	Ctmt. Bldg., El. 124'-3 7/8" N.E. Quad.	I	Yes	Yes
2RTD-BR14	Ctmt. Bldg., El. 124'-3" S.E. Quad.	I	Yes	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
	RESIDUAL HEAT REMOVAL			
2RHR-R8#	Aux. Bldg., El. 91'-0" Col. Lines - A & B, 26 & 28	A	Yes	No
2RHR-R138	Aux. Bldg., El. 81'-2" Col. Lines - C & D, 26 & 28	A	Yes	No
2RHR-R139	Aux. Bldg., El. 79'-8-3/8" Col. Lines - C & D, 26 & 28	A	Yes	No
2RHR-R140	Aux. Bldg., El. 78'-7" Col. Lines - C & D, 26 & 28	A	Yes	No
2RHR-R143	Aux. Bldg., El. 91'-0" Col. Lines - D & E, 26 & 28	A	Yes	Yes
2RHR-R146	Aux. Bldg., El. 94'-6" Col. Lines - C & D, 26 & 28	A	Yes	Yes
2RHR-R132	Aux. Bldg., El. 78'-7" Col. Lines C & D, 30 & 31	A	Yes	No
2RHR-R133	Aux. Bldg., El. 79'-8-3/8" Col. Lines C & D, 30 & 31	A	Yes	No
2RHR-R136	Aux. Bldg., El. 81'-2" Col. Lines C & D, 28 & 30	A	Yes	No
2RHR-R148	Aux. Bldg., El. 91'-6" Col. Lines C & D, 24 & 26	A	Yes	No
2RHR-R123	Aux. Bldg., El. 112'-0" Col. Lines E & F, 24 & 26	A	No	No
2RHR-R125	Aux. Bldg., El. 112'-0" Col. Lines E & F, 26 & 28	A	No.	No

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2RHR-R11#	Aux. Bldg., El. 90'-0" Col. Lines C & D, 28 & 30	A	Yes	No
2RH-R102	Ctmt. Bldg., El. 108'-0" N.W. Quad.	I	Yes	No
2RH-R104	Ctmt. Bldg., El. 114'-3" N.W. Quad.	I	Yes	No
2RH-R108	Ctmt. Bldg., El. 116'-3" N.W. Quad.	I	Yes	No
2RH-R110	Ctmt. Bldg., El. 116'-3" S.W. Quad.	I	Yes	No
2RH-R111	Ctmt. Bldg., El. 116'-3" S.W. Quad.	I	Yes	No
2RH-R113	Ctmt. Bldg., El. 113'-3" S.W. Quad.	I	Yes	No
2RH-R116#	Ctmt. Bldg., El. 113'-3" S.W. Quad.	I	Yes	No
2RH-R118	Ctmt. Bldg., El. 113'-3" S.W. Quad.	I	Yes	No
2RH-R89	Ctmt. Bldg., El. 111'-7" S.W. Quad.	I	Yes	No
2RH-R99	Ctmt. Bldg., El. 110'-3" N.W. Quad.	I	Yes	No
2RH-R600	Ctmt. Bldg., El. 108'-0" N.W. Quad.	I	Yes	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

FARLEY-UNIT 2	SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE** (A or I)	HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
	2RHR-R127	Aux. Bldg., El. 112'-0" Col. Lines D & E, 26 & 28	A	No	No
	2RHR-BR1	Ctmt. Bldg., El. 107'-1" N.W. Quad.	I	Yes	No
	2RHR-BR2	Ctmt. Bldg., El. 109'-1" N.E. Quad.	I	Yes	No
	2SI-R17	<u>Safety Injection</u> Aux. Bldg., El. 108'-9" Col. Lines F & G, 24 & 25	A	Yes	No
3/4 7-31	2SI-R18#	Aux. Bldg., 100'-9 1/8" and El. 102'-2-7/8" Col. Lines F & G, 24 & 25	A	Yes	No
	2SI-R20	Aux. Bldg., El. 107'-0" Col. Lines F & G, 24 & 26	A	Yes	No
	2SI-R21#	Aux. Bldg., El. 106'-6" Col. Lines F & G, 24 & 25	A	Yes	No
	2SI-R23	Aux. Bldg., El. 110'-6" Col. Lines F & G, 24 & 26	A	Yes	No
	2SI-R242#	Aux. Bldg., El. 111'-6" Col. Lines F & G, 24 & 26	A	Yes	No
	2SI-R996	Aux. Bldg., El. 78'-7" Col. Lines C & D, 26 & 28	A	Yes	No
	2SI-R997#	Aux. Bldg., El. 81'-5 1/4" Col. Lines C & D, 26 & 28	A	Yes	No

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2SI-R105	Aux. Bldg., El. 133'-3" Col. Lines G & G, 24 & 26	A	Yes	No
2SI-R107	Aux. Bldg., El. 133'-3" Col. Lines F & G, 24 & 26	A	Yes	No
2SI-R123	Aux. Bldg., El. 123'-0" Col. Lines E & F, 24 & 26	A	Yes	No
2SI-R127	Aux. Bldg., El. 123'-0" Col. Lines E & F, 24 & 26	A	Yes	No
2SI-R128	Aux. Bldg., El. 123'-0" Col. Lines E & F, 24 & 26	A	Yes	No
2SI-R125	Aux. Bldg., El. 126'-0" Col. Lines E & F, 24 & 26	A	Yes	No
2SI-R126	Aux. Bldg., El. 128'-0" Col. Lines E & F, 24 & 26	A	Yes	No
2SI-R68	Ctmt. Bldg., El. 113'-0" S.E. Quad.	I	Yes	No
2SI-R70	Ctmt. Bldg., El. 114'-6" S.E. Quad.	I	Yes	No
2SI-R71	Ctmt. Bldg., El. 115'-6" S.E. Quad.	I	Yes	No
2SI-R72	Ctmt. Bldg., El. 119'-9" S.E. Quad.	I	Yes	Yes
2SI-R75	Ctmt. Bldg. El. 127'-0" S.E. Quad.	I	Yes	Yes

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2SI-R76	Ctmt. Bldg., El. 128'-0" S.E. Quad	I	Yes	Yes
2SI-R77	Ctmt. Bldg., El. 129'-0" S.E. Quad	I	Yes	Yes
2SI-R362	Ctmt. Bldg., El. 126'-4 3/16" S.E. Quad	I	Yes	Yes
SS-12407	Ctmt. Bldg., El. 122'-4 3/4" S.E. Quad	I	Yes	Yes
2SI-R842	Ctmt. Bldg., El. 118'-0" S.W. Quad	I	Yes	No
2SI-R95	Ctmt. Bldg., El. 120'-0" N.E. Quad.	I	Yes	Yes
2SI-BR8	Ctmt. Bldg., El 108'-6" S.W. Quad	I	No	No
2SI-R87#	Ctmt. Bldg., El. 116'-6" N.W. Quad	I	No	No
2SI-R90	Ctmt. Bldg., El. 121'-0" N.W. Quad.	I	Yes	Yes
2SI-R92	Ctmt. Bldg., El. 125'-3" N.W. Quad	I	Yes	Yes
2SI-R140	Ctmt. Bldg., El. 120'-7" S.W. Quad	I	Yes	Yes
2SI-R142	Ctmt. Bldg., El. 123'-4-3/16" S.W. Quad	I	Yes	Yes

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2SI-R145	Ctmt. Bldg., El. 117'-3" S.W. Quad	I	No	No
2SI-R149	Ctmt. Bldg., El. 120'-3" S.W. Quad	I	Yes	Yes
2SI-R151	Ctmt. Bldg., El. 124'-6-1/2" S.W. Quad	I	Yes	Yes
2SI-R221	Ctmt. Bldg., El. 110'-9" S.W. Quad	I	Yes	No
2SI-R226	Ctmt. Bldg., El. 114' 3/4" S.W. Quad	I	Yes	No
2SI-BR2	Ctmt. Bldg., El. 123'-8 3/16" N.E. Quad	I	Yes	Yes
2SI-R956	Aux. Bldg., El. 78'-5 15/16" Col. Lines C & D 30 & 31	A	Yes	No
2SI-R957#	Aux. Bldg., El. 78'-7" Col. Lines C & D 30 & 31	A	Yes	No
2SI-R178	Ctmt. Bldg., El. 108'-6" S.W. Quad	I	Yes	No
2SI-R168	Ctmt. Bldg., El. 109'-0" S.E. Quad	I	No	No
2SI-R172	Ctmt. Bldg., El. 122'-2 3/4" S.E. Quad	I	Yes	Yes
2SI-R175	Ctmt. Bldg., El. 129'-1 3/16" S.E. Quad	I	Yes	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2SI-R181	Ctmt. Bldg., El. 119'-5-7/16" S.W. Quad	I	Yes	Yes
2SI-R182	Ctmt. Bldg., El. 125'-9" S.W. Quad	I	Yes	Yes
2SI-R183	Ctmt. Bldg., El. 125'-9" S.W. Quad	I	Yes	Yes
2SI-R171	Ctmt. Bldg., El. 122'-10 1/4" S.E. Quad	I	Yes	Yes
2SI-R352	Ctmt. Bldg., El. 128'-7" N.E. Quad	I	Yes	Yes
2SI-R358	Ctmt. Bldg., El. 128'-5" N.E. Quad	I	Yes	Yes
2SI-R359	Ctmt. Bldg., El. 127'-3 7/8" N.E. Quad	I	Yes	Yes
2SI-R970	Aux. Bldg., El. 81'-3" Col. Lines C & D, 30 & 31	A	Yes	No
2CS-R325#	<u>Containment Spray</u> Aux. Bldg., El. 82'-9" Col. Lines E & F 24 & 26	A	No	No
2CS-R327	Aux. Bldg., El. 81'-3" Col. Lines E & F, 24 & 26	A	No	No
2CS-R282#	Ctmt. Bldg., El. 159'-1 3/16" S.E. Quad	I	No	No
2CS-R334	Aux. Bldg., El. 110'-6" Col. Lines E & F, 24 & 26	A	No	No

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2CS-R308	Aux. Bldg., El. 83'-0" Col. Lines G & H, 24 & 26	A	No	No
2CS-R310#	Aux. Bldg., El. 80'2-3/8" and 82'-3-5/8" Col. Lines F & G, 24 & 26	A	No	No
2CS-R314	Aux. Bldg., El. 96'-0" Col. Lines G & H, 23 & 24	A	No	Yes
2CVC-R71#	Chemical & Volume Control Aux. Bldg., El. 130'-0" and El. 128'-0" Col. Lines K & L, 19 & 20	A	No	No
2CVC-R74	Aux. Bldg., El. 131'-11" Col. Lines L & M, 19, 20	A	Yes	No
2CVC-R813	Aux. Bldg., El. 132'-6" Col. Lines G & H, 24 & 25	A	Yes	No
2CVC-R651	Ctmt. Bldg., El. 111'-6" S.W. Quad	I	Yes	No
2CVC-R700	Ctmt. Bldg., El. 118'-0" N.W. Quad	I	Yes	No
2CVC-R781	Ctmt. Bldg., El. 106'-6" N.W. Quad	I	Yes	No
2CVC-R702	Ctmt. Bldg., El. 118'-0" N.W. Quad	I	Yes	Yes
2CVC-R657	Ctmt. Bldg., El. 119'-3" S.W. Quad	I	Yes	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE** (A or I)	HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2CVC-R660	Ctmt. Bldg. El. 119'-3" S.W. Quad	I	Yes	No
2CVC-R661	Ctmt. Bldg., El. 125'-5" S.W. Quad	I	Yes	Yes
2CVC-R662	Ctmt. Bldg., El. 125'-5" S.W. Quad	I	Yes	Yes
2CVC-R693	Ctmt. Bldg., El. 119'-0" N.W. Quad	I	Yes	No
2CVC-R694	Ctmt. Bldg., El. 120'-5" N.W. Quad	I	Yes	Yes
2CVC-R695	Ctmt. Bldg., El. 106'-6" N.E. Quad	I	Yes	No
2CVC-R654	Ctmt. Bldg., El. 108'-8" S.W. Quad	I	Yes	No
2CVC-R696	Ctmt. Bldg., El. 106'-6" N.E. Quad	I	Yes	No
2CVC-R697#	Ctmt. Bldg., El. 106'-6" N.E. Quad	I	Yes	No
2CVC-R699	Ctmt. Bldg., El. 106'-6" N.W. Quad.	I	Yes	No
2CVC-R797#	Aux. Bldg., El. 134'-0" and El. 135'-10" Col. Lines H & J, 19 & 20	A	No	Yes

FARLEY-UNIT 2

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2CVC-R803#	Aux. Bldg., El. 134'-11-1/4" and El. 136'-0-3/4" Col. Lines H & J, 20 & 21	A	Yes	Yes
2MS-R3#	Main Steam Aux. Bldg., El. 133'-3" Col. Lines C & D, 34 & 36	A	No	No
2MS-R14#	Aux. Bldg., El. 133'-3" Col. Lines C & D, 31 & 34	A	No	No
2MS-R24#	Aux. Bldg., El. 133'-3" Col. Lines C & D, 31 & 34	A	No	No
2MS-R78	Ctmt. Bldg., El. 165'-0" S.E. Quad	I	No	No
2MS-R79	Ctmt. Bldg., El. 166'-0" S.E. Quad	I	No	No
2MS-R81#	Ctmt. Bldg., El. 148'-10" S.W. Quad	I	Yes	Yes
2MS-R82	Ctmt. Bldg., El. 148'-8-7/8" S.W. Quad	I	Yes	Yes
2MS-R85#	Ctmt. Bldg., El. 148'-6-7/16" S.W. Quad	I	No	No
2MS-R86#	Ctmt. Bldg., El. 146'-2-3/4" and El. 150'-8-3/4" S.W. Quad	I	No	No
2MS-R88	Ctmt. Bldg., El. 148'-4-1/8" S.W. Quad	I	No	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2MS-R91#	Ctmt. Bldg., El. 158'-2 1/8" N.W. Quad	I	No	No
2MS-R93	Ctmt. Bldg., El. 167'-0" N.W. Quad	I	No	No
2MS-R94	Ctmt. Bldg., Cl. 165'-0" N.W. Quad	I	No	Yes
2MS-R96	Ctmt. Bldg., El. 149'-5 1/2" N.W. Quad	I	No	Yes
2MS-R97	Ctmt. Bldg., El. 149'-7 1/2" N.W. Quad	I	No	Yes
2MS-R99#	Ctmt. Bldg., El. 151'-10 1/2" and El. 147'-4 1/2", N.W. Quad	I	No	Yes
2MS-R100	Ctmt. Bldg., El. 156'-6" N.E. Quad	I	No	No
2MS-R612	Ctmt. Bldg., El. 166'-11-5/8" N.E. Quad	I	No	Yes
2MS-R614#	Ctmt. Bldg., El. 160'-3/4" N.E. Quad	I	No	No
2MS-R530#	Turb. Bldg., El. 179'-7 3/16" Col. Lines TA & A, T15 & T16	A	No	Yes
2MS-R528	Aux. Bldg., El. 155'-6" Col. Lines TA & A, 31 & 34	A	No	Yes
2MS-R529	Aux. Bldg., El. 156'-0" Col. Lines TA & A, 31 & 34	A	No	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2MS-R534	Turb. Bldg., El. 179'-7-3/16" Col. Lines T15 & T16, TA & TA	A	No	No
2MS-R532	Aux. Bldg., El. 155'-6" Col. Lines TA & A 31 & 34	A	No	Yes
2MS-R533	Aux. Bldg., El. 156'-6" Col. Lines TA & A, 31 & 34	A	No	Yes
2MS-R517	Aux. Bldg., El. 130'-2" Col. Lines C & D, 34 & 36	A	No	No
2MS-R516#	Aux. Bldg., El. 130'-2" Col. Lines C & D, 34 & 36	A	No	Yes
2MS-R503#	Aux. Bldg., El. 130'-2" Col. Lines C & D, 31 & 34	A	No	Yes
2MS-R505	Aux. Bldg., El. 130'-2" Col. Lines C & D, 31 & 34	A	No	No
2MS-R510#	Aux. Bldg., El. 130'-2" Col. Lines C & D, 31 & 34	A	No	Yes
2MS-R522#	Aux. Bldg., El. 147' 9/16" Col. Lines A & B, 31 & 34	A	No	Yes
2MS-R523	Aux. Bldg., El. 147'-0-9/16" Col. Lines A & B, 31 & 34	A	No	Yes
2MS-R525#	Aux. Bldg., El. 147'-0-1/2" Col. Lines A & B, 31 & 34	A	No	Yes
2MS-R526	Aux. Bldg., El. 147'-0-9/16" Col. Lines A & B, 31 & 34	A	No	Yes

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2MS-R809	Aux. Bldg., El. 133'-2 3/4" Col. Lines C & D, 31 & 34	A	No	No
2MS-R807	Aux. Bldg., El. 133'-3 1/2" Col. Lines B & C, 31 & 34	A	No	No
2MS-R802	Aux. Bldg., El. 133'-3 1/2" Col. Lines B & C, 34 & 36	A	No	No
2MS-R803	Aux. Bldg., El. 133'-2" Col. Lines B & C, 34 & 36	A	No	No
2MS-R804	Aux. Bldg., El. 133'-3" Col. Lines C & D, 34 & 36	A	No	No
2MS-R805	Aux. Bldg., El. 133'-2" Col. Lines C & D, 34 & 36	A	No	No
2MS-R808	Aux. Bldg., El. 133'-3 1/2" Col. Lines B & C, 31 & 34	A	No	No
2MS-R810	Aux. Bldg., El. 133'-2" Col. Lines C & D, 31 & 34	A	No	No
2MS-R813	Aux. Bldg., El. 133'-2 1/2" Col. Lines B & C, 31 & 34	A	No	No
2MS-R814	Aux. Bldg., El. 133'-2 1/2" Col. Lines B & C, 31 & 34	A	No	No
2MS-R815	Aux. Bldg., El. 133'-2 1/16" Col. Lines C & D, 31 & 34	A	No	No
2MS-R816	Aux. Bldg., El. 133'-1" Col. Lines C & D, 31 & 34	A	No	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2MS-BR3	Aux. Bldg., El. 129'-6" Col. Lines C & D, 24 & 36	A	No	No
2MS-BR2	Aux. Bldg., El. 133'-3" Col. Lines C & D, 31 & 34	A	No	No
2MS-BR1	Aux. Bldg., El. 133'-3" Col. Lines C & D, 31 & 34	A	No	No
2AS-R21	<u>Auxiliary Steam</u> Aux. Bldg., El. 129'-0" Col. Lines C & D, 31 & 34	A	No	No
2AS-R24	Aux. Bldg., El. 132'-9" Col. Lines C & D, 31 & 34	A	No	No
2AS-R26#	Aux. Bldg., El. 131'-7" and El. 133'-11", Col. Lines C & D, 31 & 34	A	No	No
2AS-R28	Aux. Bldg., El. 132'-9" Col. Lines C & D, 31 & 34	A	No	No
2AS-R17	Aux. Bldg., El. 132'-9" Col. Lines C & D, 31 & 34	A	No	No
2AS-R19#	Aux. Bldg., El. 132'-9" Col. Lines C & D, 31 & 34	A	No	No
2AS-R8	Aux. Bldg., El. 112'-9" Col. Lines B & C, 34 & 36	A	No	Yes
2AS-R13	Aux. Bldg., El. 106'-6" Col. Lines B & C, 34 & 36	A	No	No

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2AS-R14	Aux. Bldg., El. 106'-0" Col. Lines B & C, 34 & 36	A	No	No
2AS-R30	Aux. Bldg., El. 135'-10 1/8" Col. Lines C & D, 31 & 34	A	NO	No
2AS-R42	Aux. Bldg., El. 135'-10 1/8" Col. Lines C & D, 31 & 34	A	No	No
2AS-R43	Aux. Bldg., El. 135'-10 1/8" Col. Lines C & D, 31 & 34	A	No	No
2AS-R29	Aux. Bldg., El. 135'-10 1/8" Col. Lines C & D, 31 & 34	A	No	No
2FW-R4	Main Feedwater Ctmt. Bldg., El. 156'-3-1/2" N.E. Quad.	I	No	No
2CF-R18X	Aux. Bldg., El. 141'-6" Col. Lines D & E, 34 & 36	A	No	No
2FW-R10	Ctmt. Bldg., El. 166'-1-9/16" N.W. Quad.	I	No	No
2CF-R7	Aux. Bldg., El. 133'-0" Col. Lines B & C, 31 & 34	A	No	No
2CF-R10	Aux. Bldg., El. 129'-0" Col. Lines A & B, 31 & 34	A	No	No
2CF-R12	Aux. Bldg., El. 133'-1-1/2" Col. Lines A & B, 31 & 34	A	No	No
2CF-R20	Aux. Bldg., El. 141'-6" Col. Lines C & D, 34 & 36	A	No	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE** (A or I)	HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2CF-R29#	Aux. Bldg., El. 134'-9" & 136'-3" Col. Lines A & B, 34 & 36	A	No	No
2CF-R30	Aux. Bldg., El. 135'-6" Col. Lines A & B, 34 & 36	A	No	No
2CF-R45	Aux. Bldg., El. 131'-6" Col. Lines B & C, 31 & 34	A	No	No
2CF-R49	Aux. Bldg., El. 129'-6" Col. Lines A & B, 31 & 34	A	No	No
2CF-R50	Aux. Bldg., El. 133'-6" Col. Lines A & B, 31 & 34	A	No	No
2CF-R53	Aux. Bldg., El. 135'-6" Col. Lines A & B, 34 & 36	A	No	No
2FW-R66	Aux. Bldg., El. 133'-6" Col. Lines B & C, 31 & 34	A	No	No
2FW-R88#	Aux. Bldg., El. 158'-6" Col. Lines TA & A, 34 & 36	A	No	Yes
2FW-R90	Turb. Bldg., El. 164'-1" Col. Lines TA & A, T15 & T16	A	No	Yes
2FW-R93#	Aux. Bldg., El. 158'-3 1/4" Col. Lines TA & A, 34 & 36	A	No	Yes
2FW-R95	Turb. Bldg., El. 164'-1" Col. Lines TA & A, T15 & T16	A	No	Yes
2FW-R98#	Aux. Bldg., El. 158'-3 1/4" Col. Lines TA & A, 34 & 36	A	No	Yes

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2FW-R99	Turb. Bldg., El. 165'-1" Col. Lines TA & A, T15 & T16	A	No	Yes
2FW-R64	Aux. Bldg., El. 131'-0" Col. Lines A & B, 31 & 34	A	No	No
2FW-R68	Aux. Bldg., El. 130'-8" Col. Lines A & B, 31 & 34	A	No	No
2FW-R69	Aux. Bldg., El. 132'-1 1/2" Col. Lines A & B, 31 & 34	A	No	No
2FW-R71	Aux. Bldg., El. 129'-6" Col. Lines A & B, 34 & 36	A	No	No
2FW-R74	Aux. Bldg., El. 132'-6" Col. Line A, 34 & 36	A	No	No
2FW-R77	Aux. Bldg., El. 132'-6" Col. Lines A & B, 31 & 34	A	No	No
SS-12810	Steam Generator Blowdown Ctmt. Bldg., El. 138'-6 11/16" S.E. Quad	I	Yes	Yes
2SW-R514#	Service Water Aux. Bldg., El. 109'-1-1/2" and El. 113'-1-1/2", Col. Lines B & C, 26 & 28	A	No	No
2SW-BR12#	Aux. Bldg., El. 111'-1-1/2" Col. Lines B & C, 26 & 28	A	No	No
2SW-BR11#	Aux. Bldg., El. 111'-1-1/2" Col. Lines A & B, 26 & 28	A	No	No

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2SW-R507#	Aux. Bldg., El. 114'-2" and El. 116'10", Col. Lines B & C, 31 & 34	A	No	No
2SW-BR13#	Aux. Bldg., El. 111'-1-1/2" Col. Lines B & C, 26 & 28	A	No	No
2SW-R521#	Aux. Bldg., El. 116'-10" and El. 119'-1 3/4", Col. Lines C & D, 31 & 34	A	No	No
2SW-R41#	Aux. Bldg., El. 113'-8" Col. Lines C & D, 20 & 22	A	No	No
2CCW-H40#	Component Cooling Water Aux. Bldg., El. 108'-2" and El. 111'-4", Col. Lines C & D, 28 & 30	A	No	No
2CCW-H47	Aux. Bldg., El. 91'-0" Col. Lines C & D, 26 & 28	A	No	No
2CCW-H53	Aux. Bldg., El. 115'-0" Col. Lines C & D, 24 & 26	A	No	No
2CCW-H54#	Aux. Bldg., El. 115'-0" Col. Lines C & D, 22 & 24	A	No	No
2CCW-BR12	Aux. Bldg., El. 110'-0" Col. Lines G & G, 20 & 21	A	No	No
2CCW-BR26	Aux. Bldg., El. 161'-6" Col. Lines R & U, 23 & 24	A	No	No
2CCW-H58#	Aux. Bldg., El. 110'-0" Col. Lines E & F, 20 & 22	A	No	No

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE** (A or I)	HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2CCW-R149#	Aux. Bldg., El. 112'-0" Col. Lines N & P, 21 & 24	A	No	No
2CCW-R245#	Aux. Bldg., El. 116'-9" Col. Lines C & D, 24 & 26	A	No	No
2CCW-R201#	Aux. Bldg., El. 111'-10" Col. Lines C & D, 26 & 28	A	No	No
2CCW-R212#	Aux. Bldg., El. 113'-8" Col. Lines B & C, 24 & 26	A	No	No
2CCW-R205#	Aux. Bldg., El. 113'-3" Col. Lines C & D, 24 & 26	A	No	No
2CCW-R206	Aux. Bldg., El. 113'-3" Col. Lines C & D, 24 & 26	A	No	No
2CCW-R322#	Ctmt. Bldg., El. 124'-4" and El. 125'-2", S.W. Quad	I	No	Yes
2ASCR-R120#	Auxiliary Steam & Condensate Recovery Aux. Bldg., El. 200'-10 1/2" Col. Lines C & D, 31 & 34	A	No	Yes
2ASCR-R103	Aux. Bldg., El. 109'-0" Col. Lines B & C, 34 & 36	A	No	No
2ASCR-R105	Aux. Bldg., El. 113'-0" Col. Lines B & C, 34 & 36	A	No	Yes
2ASCR-BR13#	Aux. Bldg., El. 107'-0" Col. Lines B & C, 34 & 36	A	No	No
2ASCR-BR14#	Aux. Bldg., El. 109'-0" Col. Lines B & C, 34 & 36	A	No	No

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TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
	<u>Auxiliary Feedwater</u>			
2AFW-R169#	Aux. Bldg., El. 140'-3" Col. Lines D & E, 34 & 36	A	No	No
2AFW-R98#	Aux. Bldg., El. 142'-6" Col. Lines C & D, 31 & 34	A	No	No
2AFW-R103#	Aux. Bldg., El. 142'-6" and El. 140'-6", Col. Lines C & D, 31 & 34	A	No	No
2AFW-R106	Aux. Bldg., El. 144'-3 1/2" Col. Lines E & F, 34 & 36	A	No	No
	<u>Steam Generator</u>			
Q2T25K001A	Ctmt. Bldg., El. 153'-4 1/2" N.E. Quad	I	No	Yes
Q2T25K001B	Ctmt. Bldg., El. 153'-4 1/2" N.E. Quad	I	No	Yes
Q2T25K001C	Ctmt. Bldg., El. 153'-4 1/2" N.E. Quad	I	No	Yes
Q2T25K001D	Ctmt. Bldg., El. 153'-4 1/2" N.E. Quad	I	No	Yes
Q2T25K001E	Ctmt. Bldg., El. 153'-4 1/2" N.E. Quad	I	No	Yes
Q2T25K002A	Ctmt. Bldg., El. 153'-4 1/2" S.W. Quad	I	No	Yes
Q2T25K002B	Ctmt. Bldg., El. 153'-4 1/2" S.W. Quad	I	No	Yes

TABLE 3.7-4a
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE** (A or I)</u>	<u>HIGH RADIATION ZONE DURING SHUTDOWN (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
Q2T25K002C	Ctmt. Bldg., El. 153'-4 1/2" S.W. Quad	I	No	Yes
Q2T25K002D	Ctmt. Bldg., El. 153'-4 1/2" S.W. Quad	I	No	Yes
Q2T25K002E	Ctmt. Bldg., El. 153'-4 1/2" S.W. Quad.	I	No	Yes
Q2T25K003A	Ctmt. Bldg., El. 153'-4 1/2" S.E. Quad.	I	No	Yes
Q2T25K003B	Ctmt. Bldg., El. 153'-4 1/2" S.E. Quad	I	No	Yes
Q2T25K003C	Ctmt. Bldg., El. 153'-4 1/2" S.E. Quad.	I	No	Yes
Q2T25K003D	Ctmt. Bldg., El. 253'-4 1/2" S.E. Quad	I	No	Yes
Q2T25K003E	Ctmt. Bldg., El. 153'-4 1/2" S. E. Quad	I	No	Yes

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4a provided that a revision to Table 3.7-4a is included with the next License Amendment request.

** Modifications to this column due to changes in high radiation areas may be made without prior License Amendment provided that a revision to Table 3.7-4a is included with the next License Amendment request.

There are two snubbers at this location with this number and each should be treated separately for purpose of inspection.