Appendix B: V. C. Summer Walkdown Notes – November 4, 2001

V C Summer Walkdown – December 4, 2001

AB-74-16,
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 74-16) (El 374" – 0 ")

Interconnections Two doorways with wire gate and 12 inch berms separate AB-74-16 from the remainder of Elevation 374" – 0 "

RHR Pump train B motor (lowest point) is located 7.5' above the floor.

CS Pump train B motor (lowest point) is located 2' above the floor

AB-74-17,
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 74-17) (El 374" – 0 ")

Interconnections Two doorways with wire gate and 12 inch berms separate AB-74-17 from the remainder of Elevation 374" – 0 "

RHR Pump train A motor (lowest point) is located 7.5' above the floor.

CS Pump train A motor (lowest point) is located 2' above the floor

AB-74-18,
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 74-18) (El 374" – 0 ")

Interconnections Two doorways with wire gate and 12 inch berms separate AB-74-18 from AB-74-16 and Ab-74-17

Stairway from above is isolated by a solid door at El 374" which open into the stairway.

Chase (grating) from El 397

AB-88-13,
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 88-13) (El 388" – 0 ")

Interconnections Stairway from AB-88-13 (El 388') to Auxiliary Building Sub- basement (El 374') are isolated by a solid door at El 388" which open into El 388"

Open stairway from AB-97-01

Open stairway located in Chase (Chase bottom El 374)

AB-00-01, AB-00-01E, AB-00-01W drain down to AB-88-13

AB-88-23
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 88-23) (El 388" – 0 ")

Interconnections Doorway, Solid door with ventilation louvers located in lower portion of door, lowest opening 14 inches above floor, 7 inch berm

Charging pump motor air intake, 2' above floor

AB-88-24
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 88-24) (El 388" – 0 ")

Interconnections Doorway, Solid door with ventilation louvers located in lower portion of door, lowest opening 14 inches above floor, 7 inch berm

Charging pump motor air intake, 2' above floor

AB-88-25
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 88-25) (El 388" – 0 ")

Interconnections Doorway, Solid door with ventilation louvers located in lower portion of door, lowest opening 14 inches above floor, 7 inch berm

Charging pump motor air intake, 2' above floor

AB-97-02, AB-97-02N, AB-97-02S
AUXILIARY BUILDING, SUB-BASEMENT (Fire Area 97-02, 97-02N, 97-02S) (El 397" – 0 ")

Interconnections Doorway from AB-97-02 to AB-97-01 with gate and 6-inch berm going to equipment hatch (grating) (6-inch berm around hatch) within AB-97-01

Doorway from AB-97-02 to AB-97-01 with gate and 6-inch berm

Doorway (solid) from AB-97-02 to Chase (Chase bottom El 374)

AB-00-01, AB-00-01E, AB-00-01W

AUXILIARY BUILDING, PIPE SHIELD SLAB (Fire Area 00-01, 00-01E, 00-00W) (El 400" – 0 ")

Interconnections Areas overflow to El 388'

AB-12-04
AUXILIARY BUILDING, (Fire Area 12-04) (El 412" – 0 ")

Interconnections Outside tank farm, no interconnections, access from top of berm wall El 436 by ladder.

AB-12-11, AB-11N
AUXILIARY BUILDING, (Fire Area 12-11, 12-11N) (El 412" – 0 ")

Interconnections Door (Solid) between AB-12-11N and FH-12-01, opens into AB-12-11N

Equipment hatch (grating) connecting to El 388' surrounded with 6 inch berm

Opening in ceiling to AB-36-18, with 6 inch berm above

Door (Solid pressure, HELB) between AB-12-11N and PAA-12-01

Door (Solid pressure, HELB) between AB-12-11 and PAA-12-01

Door (Solid pressure, HELB) between AB-12-11 and IB-12-02

Equipment Hatch (Grating) surrounded with 6 inch berm, with gates into AB-12-05 and AB-12-06.

Shield slab areas AB-26-01, AB-26-02.drain down to El 412"

AB-26-01
AUXILIARY BUILDING, (Fire Area AB-26-01) (El 426" – 0 ")

Interconnections Open platform, flow would drop to El 412'

AB-26-02
AUXILIARY BUILDING, (Fire Area AB-26-02) (El 426" – 0 ")

Interconnections Open platform, flow would drop to El 412'

PAA-12-01
AUXILIARY BUILDING, (Fire Area PAA-12-01) (El 412" – 0 ")

Interconnections Door (Solid pressure, HELB) between AB-12-11N and PAA-12-01

Door (Solid pressure, HELB) between AB-12-11 and PAA-12-01

FH-12-01
FUEL HANDLING BUILDING, (Fire Area FH-12-11) (El 412" – 0 ")

Interconnections

IB-12-02
INTERMEDIATE BUILDING, (Fire Area 12-02) (El 412" – 0 ")

Interconnections Door (Solid pressure, HELB) between IB-12-02 and AB-12-11N, opens into IB-12-02

Door (Solid) between IB-12-02 and PAI-12-01, opens into IB-12-02

Door (Solid) between IB-12-02 and IB-12-10, opens into IB-12-02

Opening in floor near Containment, access into Tendon Access Gallery

HVAC opening with fire damper into IB-12-10, bottom of damper is 6 feet above floor.

Opening in ceiling near Containment, connects with upper level, IB-36-02.

Equipment Hatch opening in ceiling with grating above and 6 inch berm, connects with IB-36-02

CCW pump motor 4.5' above floor

AFW pump motors 2' above floor

PAI-12-01
INTERMEDIATE BUILDING, (Fire Area 12-01) (El 412" – 0 ")

Interconnections Door (Solid) between PAI-12-01 and IB-12-02, opens into IB-12-02

Door (Solid) access to Tendon Access Gallery, opens into access path

AB-36-15
AUXILIARY BUILDING, (Fire Area 36-15) (El 436" – 0 ")

Interconnections Gates between AB-36-15 and AB-36-18 & AB-36-16

AB-36-16
AUXILIARY BUILDING, (Fire Area 36-15) (El 436" – 0 ")

Interconnections Gates between AB-36-1 and AB-36-18 & AB-36-15

AB-36-18
AUXILIARY BUILDING, (Fire Area 36-18) (El 436" – 0 ")

Interconnections Door (Solid, pressure HELB) between AB-32-18 and PAA-36-01, opens into AB-32-18-

Door (Solid, pressure HELB) between AB-32-18 and PAA-36-01, opens into AB-32-18

Opening in floor with 6 inch curb, leading to AB-12-11N

Door (Solid) between AB-36-18 and IB-36-02, opening into IB-36-02

Gates between AB-36-18 and AB-36-15 & AB-36-16

PAA-36-01
AUXILIARY BUILDING, (Fire Area PAA-36-18) (El 436" – 0 ")

Interconnections Door (Solid, pressure HELB) between AB-32-18 and PAA-36-01, opens into AB-32-18-

Door (Solid, pressure HELB) between AB-32-18 and PAA-36-01, opens into AB-32-18

Blowout panels that blow into IB-36-02

4 inch gap between floor and Containment thus connecting with PAI-12-01, 6 inch berm

4 inch gap between ceiling and Containment thus connecting with PAA-63-03, 6 inch berm

Ceiling opening, pipe chase, for main steam safeties, connecting with PAA-63-03, 6 inch berm

IB-36-02
INTERMEDIATE BUILDING, (Fire Area 36-02) (El 436" – 0 ")

Interconnections

Door (Solid) between AB-36-18 and IB-12-02, opens into IB-12-02

Blowout panels that blow into IB-36-02 from PAA-36-01

Opening in floor near Containment, access into Tendon Access Gallery though IB-26-02

Equipment Hatch (Grating) with 6 inch berm connects with IB-26-02

PAI-36-01
INTERMEDIATE BUILDING, (Fire Area PAI-36-01) (El 436" – 0 ")

Interconnections

Door (Solid) between PAI-36-01 and IB-36-02, opens into IB-36-02

PAA-63-03
AUXILIARY BUILDING, (Fire Area PAA-63-03) (El 463" – 0 ")

Interconnections

Door (Solid, pressure HELB) between AB-63-19 and PAA-63-03, opens into PAA-63-03-

Door (Solid, pressure HELB) between AB-63-09 and PAA-63-03, opens into AB-63-09-

4 inch gap between floor and Containment thus connecting with PAA-36-01, 6 inch berm

Floor opening, pipe chase, for main steam safeties, connecting with PAA-36-01, 6 inch berm

PAA-63-01S
AUXILIARY BUILDING, (Fire Area PAA-63-01S) (El 463" – 0 ")

Interconnections

Door (Solid, pressure HELB) between AB-63-09 and PAA-63-01S, opens into AB-63-09-

Wall (North) opening into AB-63-01

Wall (South) opening into AB-63-01

Appendix C: V.C Summer Consequence Mapping

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 1	PIPE TO VALVE (XVC-8346),	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 2	PIPE TO ELBOW	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 3	PIPE TO ELBOW	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 4	PIPE TO ELBOW	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 5	PIPE TO ELBOW	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 6	PIPE TO VALVE (XVC-8379),	CVCS01
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 7	PIPE TO VALVE (XVC-8379),	CVCS02
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 8	PIPE TO ELBOW	CVCS02
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 9	PIPE TO ELBOW	CVCS02
CGE-1-4106A	CS	3"SE-CS-89(A)	1-4106A- 10	PIPE TO BRANCH NOZZLE,	CVCS02
CGE-1-4100A	RC	3"SE-CS-89	1-4100A- 26BC	3" BRANCH (CGE-1-4106) CONNECTION TO 27.5" PIPE	CVCS02
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 1	PIPE TO VALVE (XVC-8347),	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 2	PIPE TO ELBOW	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 3	PIPE TO ELBOW	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 4	PIPE TO ELBOW	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 5	PIPE TO ELBOW	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 6	PIPE TO VALVE (XVC-8378),	CVCS03
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 7	PIPE TO VALVE (XVC-8378),	CVCS04
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 8	PIPE TO ELBOW	CVCS04
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 9	PIPE TO ELBOW	CVCS04
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 10	PIPE TO ELBOW	CVCS04
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 11	PIPE TO ELBOW	CVCS04
CGE-1-4205A	CS	3"SE-CS-89(B)	1-4205A- 12	PIPE TO BRANCH,UNDER BOOT AT WALL	CVCS04
CGE-1-4200A	RC	3"SE-CS-89	1-4200A- 22BC	3" BRANCH CONNECTION TO 27.5" PIPE	CVCS04
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 1	SOCKET WELD TO VALVE (XVT-8145)	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 2	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 3	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 4	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 5	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 6	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 7	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 8	SOCKET WELD TO ELBOW	CVCS05

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 9	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 10	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 11	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 12	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 13	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 14	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 15	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 16	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 17	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 18	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 19	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 20	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 21	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 22	SOCKET WELD TO COUPLING	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 23	SOCKET WELD TO COUPLING	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 24	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 25	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 26	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 27	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 28	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 29	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 30	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 31	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 32	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 33	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 34	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 35	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 36	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 37	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 38	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 39	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 40	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 41	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 42	SOCKET WELD TO ELBOW	CVCS05

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 43	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 44	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 45	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 46	SOCKET WELD TO COUPLING	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 47	SOCKET WELD TO COUPLING	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 48	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 49	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 50	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 51	SOCKET WELD TO ELBOW	CVCS05
CGE-1-4506A	CS	2"SE-CS-88	1-4506A- 52	SOCKET WELD TO VALVE (XVC-8377)	CVCS05
CGE-1-4506A	CS	2"DE-CS-82	1-4506A- 53	SOCKET WELD TO VALVE (XVC-8377)	CVCS06
CGE-1-4506A	CS	2"DE-CS-82	1-4506A- 54	SOCKET WELD TO BRANCH CONNECTION	CVCS06
CGE-1-4506A	CS	2"DE-CS-82	1-4506A- 55BC	2" BRANCH CONNECTION TO 4" PIPE	CVCS06
CGE-2-2103A	FW	18"-904	2-2103A- 6	PIPE TO VALVE (XVC-1684A)	FW-C-01A
CGE-2-2103A	FW	18"-904	2-2103A- 5	PIPE TO VALVE (XVG-1611A)	FW-C-01A
CGE-2-2203	FW	18"SE-FW-15	2-2203- 7	PIPE TO VALVE (XVC-1684B)	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 50	PIPE TO PIPE	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 6	PIPE TO ELBOW	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 5	PIPE TO ELBOW	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 49	PIPE TO PIPE	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 4	PIPE TO ELBOW	FW-C-01B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 3	PIPE TO VALVE (XVG-1611B)	FW-C-01B
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 6	PIPE TO VALVE (1684C)	FW-C-01C
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 5	PIPE TO VALVE (1611C)	FW-C-01C
CGE-2-2103A	FW	18"-904	2-2103A- 4	PIPE TO VALVE (XVG-1611A)	FW-C-02A
CGE-2-2103A	FW	18"-904	2-2103A- 3	PIPE TO ELBOW	FW-C-02A
CGE-2-2103A	FW	18"-904	2-2103A- 2	PIPE TO ELBOW	FW-C-02A
CGE-2-2103A	FW	18"-904	2-2103A- 1	PIPE TO PENETRATION XRP-306	FW-C-02A
CGE-2-2203	FW	18"SE-FW-15	2-2203- 2	PIPE TO VALVE (XVG-1611B)	FW-C-02B
CGE-2-2203	FW	18"SE-FW-15	2-2203- 1	PIPE TO PENETRATION XRP-206	FW-C-02B
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 4	PIPE TO VALVE (1611C)	FW-C-02C
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 3	PIPE TO ELBOW	FW-C-02C
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 2	PIPE TO ELBOW	FW-C-02C
CGE-2-2303	FW	18"SE-FW-14(2)	2-2303- 1	PIPE TO PENETRATION XRP-203	FW-C-02C

V.C. Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2102A	FW	16"P22	2-2102A- 24	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	16"P22	2-2102A- 23	PIPE TO NOZZLE	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 18	PIPE TO PENETRATION XRP-306	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 17	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 16	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 15	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 14	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 13	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 32	PIPE TO PIPE	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 31	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 30	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 29	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 28	PIPE TO ELBOW	FW-C-03A
CGE-2-2102A	FW	18"SA-106	2-2102A- 25	PIPE TO ELBOW	FW-C-03A
CGE-2-2202	FW	16"-P11	2-2202- 20	ELBOW TO NOZZLE	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 16	PIPE TO PENETRATION XRP-206	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 15	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 14	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 13	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 12	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 25	PIPE TO PIPE	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 24	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 23	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 22	PIPE TO ELBOW	FW-C-03B
CGE-2-2202	FW	18"-P22	2-2202- 21	PIPE TO ELBOW	FW-C-03B
CGE-2-2302	FW	16"SE-FW-14	2-2302- 32	ELBOW TO NOZZLE	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 27	PIPE TO PENETRATION XRP-203	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 26	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 25	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 24	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 23	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 22	PIPE TO PIPE	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 21	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 20	PIPE TO ELBOW	FW-C-03C

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2302	FW	18"SE-FW-14	2-2302- 19	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 18	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 17	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 16	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 15	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 14	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 13	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 12	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 11	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 10	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 9	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 8	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 7	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 6	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 5	PIPE TO ELBOW	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 36	PIPE TO PIPE	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 35	PIPE TO PIPE	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 34	PIPE TO PIPE	FW-C-03C
CGE-2-2302	FW	18"SE-FW-14	2-2302- 33	ELBOW TO PIPE	FW-C-03C
CGE-2-2104A	EF	6"SA-904(SGA)	2-2104A- 8	ELBOW TO REDUCER	FW-C-04A
CGE-2-2104A	EF	6"SA-904(SGA)	2-2104A- 7	PIPE TO ELBOW, COUNTERBORE: .562" TO .432"	FW-C-04A
CGE-2-2104A	EF	6"SA-904(SGA)	2-2104A- 6	PIPE TO NOZZLE	FW-C-04A
CGE-2-2204A	EF	6"SA-106(SGB)	2-2204A- 8	ELBOW TO REDUCER	FW-C-04B
CGE-2-2204A	EF	6"SA-106(SGB)	2-2204A- 7	PIPE TO ELBOW, COUNTERBORE: .562" TO .432"	FW-C-04B
CGE-2-2204A	EF	6"SA-106(SGB)	2-2204A- 6	PIPE TO NOZZLE	FW-C-04B
CGE-2-2304	EF	6"-106-904(SGC)	2-2304- 7	PIPE TO REDUCER, COUNTERBORE: .562" TO .432"	FW-C-04C
CGE-2-2304	EF	6"-106-904(SGC)	2-2304- 6	PIPE TO NOZZLE	FW-C-04C
CGE-2-3006	SI	3"SI(2)	2-3006- 8	PIPE TO VALVE (8801A)	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 9	PIPE TO ELBOW	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 10	PIPE TO ELBOW	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 11	PIPE TO TEE	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 12	PIPE TO TEE	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 13	PIPE TO PIPE	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 14	PIPE TO ELBOW	IL-C-01

V.C.Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3006	SI	3"SI(2)	2-3006- 15	PIPE TO ELBOW	IL-C-01
CGE-2-3006	SI	3"SI(2)	2-3006- 16	PIPE TO PENETRATION XRP-426	IL-C-01
CGE-2-3006	SI	3"SI(2)-X	2-3006- 19	PIPE TO VALVE (8801B)	IL-C-01
CGE-2-3006	SI	3"SI(2)-X	2-3006- 20	PIPE TO TEE	IL-C-01
CGE-2-3005	SI	2"SI	2-3005- 12	PIPE TO TEE	IL-C-02
CGE-2-3005	SI	2"SI	2-3005- 13	PIPE TO FLANGE	IL-C-02
CGE-2-3005	SI	2"SI	2-3005- 14	PIPE TO FLANGE	IL-C-02
CGE-2-3005	SI	2"SI	2-3005- 15	PIPE TO VALVE (8996A)	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 1	PIPE TO TEE	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 2	PIPE TO FLANGE	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 3	PIPE TO FLANGE	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 4	PIPE TO ELBOW	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 5	PIPE TO ELBOW	IL-C-02
CGE-2-3004	SI	2"SI(1)	2-3004- 6	PIPE TO VALVE (8996B)	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 2	PIPE TO ELBOW	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 3	PIPE TO TEE	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 4	PIPE TO TEE	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 5	PIPE TO FLANGE	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 6	PIPE TO FLANGE	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 7	PIPE TO ELBOW	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 8	PIPE TO ELBOW	IL-C-02
CGE-2-3007	SI	2"SI(3)	2-3007- 9	PIPE TO VALVE (8996C)	IL-C-02
CGE-2-3007	SI	2"SI(4)	2-3007- 14	TEE TO REDUCER	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 1	PIPE TO PENETRATION XRP-426	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 2	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 3	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 4	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 5	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 6	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 7	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 8	PIPE TO TEE	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 9	PIPE TO TEE	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 10	PIPE TO TEE	IL-C-02
CGE-2-3005	SI	3"SI	2-3005- 11	PIPE TO TEE	IL-C-02

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3007	SI	3"SI(3)	2-3007- 1	PIPE TO ELBOW	IL-C-02
CGE-2-3005	SI	2"SI	2-3005- 16	PIPE TO VALVE (8996A)	IL-C-02A
CGE-2-3005	SI	2"SI	2-3005- 17	PIPE TO ELBOW	IL-C-02A
CGE-2-3005	SI	2"SI	2-3005- 18	PIPE TO ELBOW	IL-C-02A
CGE-2-3005	SI	2"SI	2-3005- 19	PIPE TO ELBOW	IL-C-02A
CGE-2-3005	SI	2"SI	2-3005- 20	PIPE TO ELBOW	IL-C-02A
CGE-2-3005	SI	2"SI	2-3005- 21	PIPE TO VALVE (8997A)	IL-C-02A
CGE-2-3004	SI	2"SI(1)	2-3004- 7	PIPE TO VALVE (8996B)	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 8	PIPE TO ELBOW	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 9	PIPE TO ELBOW	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 10	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 11	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 12	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 13	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 14	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 15	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 16	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 17	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 18	PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 19	PSI; PIPE TO COUPLING	IL-C-02B
CGE-2-3004	SI	2"SI(1)	2-3004- 20	PSI; PIPE TO VALVE (XVC-8997B)	IL-C-02B
CGE-2-3007	SI	2"SI(3)	2-3007- 10	PIPE TO VALVE (8996C)	IL-C-02C
CGE-2-3007	SI	2"SI(3)	2-3007- 11	PIPE TO ELBOW	IL-C-02C
CGE-2-3007	SI	2"SI(3)	2-3007- 12	PIPE TO ELBOW	IL-C-02C
CGE-2-3007	SI	2"SI(3)	2-3007- 13	PIPE TO VALVE (8997C)	IL-C-02C
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 14	PIPE TO VALVE (8888A)	IL-C-03A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 13	PIPE TO PIPE	IL-C-03A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 12	PIPE TO ELBOW	IL-C-03A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 11	PIPE TO ELBOW	IL-C-03A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 10	PIPE TO ELBOW	IL-C-03A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 9	ELBOW TO PENETRATION XRP-322	IL-C-03A
CGE-2-2525	SI	10"SE-SI-02	2-2525- 5	PIPE TO PENETRATION XRP-227	IL-C-03B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 6	PIPE TO ELBOW	IL-C-03B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 7	PIPE TO ELBOW	IL-C-03B

V. C. Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2525	SI	10"SE-SI-02	2-2525- 8	PIPE TO ELBOW	IL-C-03B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 9	PIPE TO ELBOW	IL-C-03B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 10	PIPE TO PIPE	IL-C-03B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 11	PIPE TO VALVE (8888B)	IL-C-03B
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 7	PIPE TO PENETRATION XRP-322	IL-C-04A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 6	PIPE TO VALVE (8974A)	IL-C-04A
CGE-2-2525	SI	10"SE-SI-16	2-2525- 3	PIPE TO VALVE (8974B)	IL-C-04B
CGE-2-2525	SI	10"SE-SI-16	2-2525- 4	PIPE TO PENETRATION XRP-227	IL-C-04B
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 5	TEE TO VALVE (8974A)	IL-C-05
CGE-2-2525	SI	10"SE-SI-16	2-2525- 2	TEE TO VALVE (8974B)	IL-C-05
CGE-2-2526	SI	10"SE-SI-16(1)	2-2526- 14	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	10"SE-SI-16(1)	2-2526- 15	PIPE TO TEE	IL-C-05
CGE-2-2526	SI	10"SE-SI-16(1)	2-2526- 16	PIPE TO TEE	IL-C-05
CGE-2-2526	SI	10"SE-SI-16(1)	2-2526- 17	PIPE TO REDUCER	IL-C-05
CGE-2-2521A	SI	10"SE-SI-17	2-2521A- 4	PIPE TO REDUCER	IL-C-05
CGE-2-2521A	SI	10"SE-SI-17	2-2521A- 3	PIPE TO TEE	IL-C-05
CGE-2-2521A	SI	10"SE-SI-17	2-2521A- 2	PIPE TO TEE	IL-C-05
CGE-2-2521A	SI	10"SE-SI-17	2-2521A- 1	PIPE TO REDUCER	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 1	PIPE TO TEE	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 2	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 3	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 28	PIPE TO PIPE (VW3)	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 4	PIPE TO PIPE	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 5	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 6	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 7	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 8	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 9	PIPE TO VALVE (8972B)	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 10	PIPE TO VALVE (8972B)	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 11	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 12	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(1)	2-2526- 13	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 18	ELBOW TO REDUCER	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 26	PIPE TO ELBOW (VW1)	IL-C-05

VC Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 27	PIPE TO PIPE (VW6)	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 19	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 20	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 21	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 22	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 23	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 24	PIPE TO ELBOW	IL-C-05
CGE-2-2526	SI	6"SE-SI-16(2)	2-2526- 25	PIPE TO VALVE (8973C)	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 8	PIPE TO REDUCER	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 7	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 6	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 5	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 4	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 3	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 2	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(1)	2-2541- 1	PIPE TO VALVE (8973A)	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 9	PIPE TO REDUCER	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 10	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 11	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 12	PIPE TO VALVE (8972A)	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 13	PIPE TO VALVE (8972A)	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 14	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 15	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 16	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 17	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 18	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 19	PIPE TO ELBOW	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 24	PIPE TO PIPE	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 20	PIPE TO TEE	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 21	PIPE TO TEE	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 25	PIPE TO PIPE (VW10)	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 22	PIPE TO BENT PIPE	IL-C-05
CGE-2-2541	SI	6"SE-SI-17(2)	2-2541- 23	BENT PIPE TO VALVE (8973B)	IL-C-05
CGE-2-2554	SI	10"SE-SI-03	2-2554- 1	PIPE TO VALVE (8889)	IL-C-06

V.C.Summer Consequence Mapping to Welds					
ISO Num	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2554	SI	10"SE-SI-03	2-2554- 2	PIPE TO ELBOW	IL-C-06
CGE-2-2554	SI	10"SE-SI-03	2-2554- 3	PIPE TO ELBOW	IL-C-06
CGE-2-2554	SI	10"SE-SI-03	2-2554- 29	PIPE TO PIPE (VW7)	IL-C-06
CGE-2-2554	SI	10"SE-SI-03	2-2554- 4	PIPE TO ELBOW	IL-C-06
CGE-2-2554	SI	10"SE-SI-03	2-2554- 5	PIPE TO ELBOW	IL-C-06
CGE-2-2554	SI	10"SE-SI-03	2-2554- 6	PIPE TO PENETRATION XRP-325	IL-C-06
CGE-2-2554	SI	10"SE-SI-18(1)	2-2554- 7	PIPE TO PENETRATION XRP-325	IL-C-07
CGE-2-2554	SI	10"SE-SI-18(1)	2-2554- 8	PIPE TO TEE	IL-C-07
CGE-2-2554	SI	10"SE-SI-18(1)	2-2554- 9	PIPE TO TEE	IL-C-07
CGE-2-2554	SI	10"SE-SI-18(1)	2-2554- 10	PIPE TO REDUCER	IL-C-07
CGE-2-2554	SI	10"SE-SI-18(2)	2-2554- 11	PIPE TO TEE	IL-C-07
CGE-2-2554	SI	10"SE-SI-18(2)	2-2554- 12	PIPE TO REDUCER	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 18	PIPE TO REDUCER	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 17	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 16	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 15	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 14	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(1)	2-2554- 13	PIPE TO VALVE (8988A)	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 28	PIPE TO REDUCER	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 27	PIPE TO PIPE	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 26	BENT PIPE TO PIPE	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 25	PIPE TO BENT PIPE	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 24	PIPE TO PIPE	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 23	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 22	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 21	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 20	PIPE TO ELBOW	IL-C-07
CGE-2-2554	SI	6"SE-SI(2)	2-2554- 19	PIPE TO VALVE (8988B)	IL-C-07
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 17	PIPE TO NOZZLE	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 18	PIPE TO ELBOW	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 3	PIPE TO ELBOW	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 19	PIPE TO PIPE	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 4	PIPE TO ELBOW	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 5	PIPE TO ELBOW	MS-C-01A

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 15	PIPE TO PIPE (FW4)	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 16	PIPE TO PIPE (VW2)	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 6	PIPE TO ELBOW	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 7	PIPE TO ELBOW	MS-C-01A
CGE-2-2100A	MS	32"SE-MS-17(A)	2-2100A- 8	PIPE TO PENETRATION XRP-428	MS-C-01A
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 18	PIPE TO NOZZLE	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 19	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 3	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 20	PIPE TO PIPE	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 4	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 5	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 6	PIPE TO PIPE	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 17	PIPE TO PIPE (SW-2)	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 7	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 8	PIPE TO ELBOW	MS-C-01B
CGE-2-2200A	MS	32"SE-MS-17(B)	2-2200A- 9	PIPE TO PENETRATION XRP-207	MS-C-01B
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 13	PIPE TO NOZZLE	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 14	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 3	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 15	PIPE TO PIPE	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 4	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 5	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 6	PIPE TO PIPE	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 12	PIPE TO PIPE	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 7	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 8	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 9	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 10	PIPE TO ELBOW	MS-C-01C
CGE-2-2300	MS	32"SE-MS-17(C)	2-2300- 11	PIPE TO PENETRATION XRP-202	MS-C-01C
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 1	PIPE TO PENETRATION XRP-428	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 2	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 3	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 4	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 5	PIPE TO ELBOW	MS-C-02A

V. C. Summer Consequence Mapping to Welds					
Iso Num	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 66	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 6	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 7	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 8	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 9	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A-126	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 10	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A-128	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A-129	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 11	PIPE TO PIPE	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 12	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 13	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 14	PIPE TO ELBOW	MS-C-02A
CGE-2-2101A	MS	32"SE-MS-05	2-2101A- 15	PIPE TO ELBOW	MS-C-02A
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 1	PIPE TO PENETRATION XRP-207	MS-C-02B
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 2	PIPE TO ELBOW	MS-C-02B
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 3	PIPE TO ELBOW	MS-C-02B
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 1	PIPE TO PENETRATION XRP-202	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 32	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 2	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 3	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 4	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 5	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 33	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 34	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 6	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 7	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 8	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(1)	2-2301- 9	PIPE TO ELBOW	MS-C-02C
CGE-2-2301	MS	32"SE-MS-07(2)	2-2301- 36	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	33.5"SE-MS-07(1)	2-2301- 10	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	33.5"SE-MS-07(1)	2-2301- 35	PIPE TO PIPE	MS-C-02C
CGE-2-2301	MS	33.5"SE-MS-07(1)	2-2301- 11	PIPE TO PIPE-THICKNESS CHANGE	MS-C-02C
CGE-2-2101B	MS	32"SE-MS-05	2-2101B- 67	PIPE TO PIPE	MS-C-03A

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2101B	MS	32"SE-MS-05	2-2101B- 16	PIPE TO VALVE (XVG-2801A)	MS-C-03A
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 4	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 5	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06	2-2201A- 57	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 58	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 8	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 9	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 59	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 10	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 11	PIPE TO ELBOW	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 60	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	32"SE-MS-06(1)	2-2201A- 12	PIPE TO VALVE (XVG-2801B)	MS-C-03B
CGE-2-2201A	MS	33.5"SE-MS-06	2-2201A- 6	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	33.5"SE-MS-06	2-2201A- 56	PIPE TO PIPE	MS-C-03B
CGE-2-2201A	MS	33.5"SE-MS-06	2-2201A- 7	PIPE TO PIPE	MS-C-03B
CGE-2-2301	MS	32"SE-MS-07(2)	2-2301- 12	PIPE TO ELBOW	MS-C-03C
CGE-2-2301	MS	32"SE-MS-07(2)	2-2301- 13	PIPE TO ELBOW	MS-C-03C
CGE-2-2301	MS	32"SE-MS-07(2)	2-2301- 14	PIPE TO VALVE (XVG-2801C)	MS-C-03C
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 56	PIPE TO BRANCH NOZZLE	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 57	PIPE TO ELBOW	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 58	PIPE TO ELBOW	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 59	PIPE TO VALVE (2808A)	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 60	PIPE TO VALVE (2808A)	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05	2-2101A- 61	PIPE TO VALVE (IPV-2000)	MS-C-04A
CGE-2-2101A	MS	8"SE-MS-05(2808A)	2-2101A- 37BC	BRANCH CONNECTION	MS-C-04A
CGE-2-2201A	MS	8"-SE-MS-06(PV-2010)	2-2201A- 17BC	BRANCH CONNECTION	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 27	PIPE TO BRANCH NOZZLE	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 28	PIPE TO ELBOW	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 29	PIPE TO ELBOW	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 30	PIPE TO VALVE (XVG-2808B)	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 31	PIPE TO VALVE (XVG-2808B)	MS-C-04B
CGE-2-2201A	MS	8"SE-MS-06	2-2201A- 32	PIPE TO VALVE (IPV-2010)	MS-C-04B
CGE-2-2301	MS	8"SE-MS-07	2-2301- 16BC	BRANCH CONNECTION	MS-C-04C
CGE-2-2301	MS	8"SE-MS-07	2-2301- 27	PIPE TO BRANCH NOZZLE	MS-C-04C

V. C. Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2301	MS	8"SE-MS-07	2-2301- 28	PIPE TO VALVE (XVG-2808C)	MS-C-04C
CGE-2-2301	MS	8"SE-MS-07	2-2301- 29	PIPE TO VALVE (XVG-2808C)	MS-C-04C
CGE-2-2301	MS	8"SE-MS-07	2-2301- 30	PIPE TO ELBOW	MS-C-04C
CGE-2-2301	MS	8"SE-MS-07	2-2301- 37	PIPE TO ELBOW	MS-C-04C
CGE-2-2301	MS	8"SE-MS-07	2-2301- 31	PIPE TO VALVE (IPV-2020)	MS-C-04C
CGE-2-2101A	MS	6"SE-MS-05(2806A)	2-2101A- 38BC	BRANCH CONNECTION	MS-C-05A
CGE-2-2201A	MS	6"-SE-MS-06(2806F)	2-2201A- 18BC	BRANCH CONNECTION	MS-C-05F
CGE-2-2301	MS	6"SE-MS-07(2306K)	2-2301- 17BC	BRANCH CONNECTION	MS-C-05K
CGE-2-2101A	MS	6"SE-MS-05(2806B)	2-2101A- 39BC	BRANCH CONNECTION	MS-C-06B
CGE-2-2201A	MS	6"-SE-MS-06(2806G)	2-2201A- 19BC	BRANCH CONNECTION	MS-C-06G
CGE-2-2301	MS	6"SE-MS-07(2306L)	2-2301- 18BC	BRANCH CONNECTION	MS-C-06L
CGE-2-2101A	MS	6"SE-MS-05(2806C)	2-2101A- 40BC	BRANCH CONNECTION	MS-C-07C
CGE-2-2201A	MS	6"-SE-MS-06(2806H)	2-2201A- 20BC	BRANCH CONNECTION	MS-C-07H
CGE-2-2301	MS	6"SE-MS-07(2306M)	2-2301- 19BC	BRANCH CONNECTION	MS-C-07M
CGE-2-2101A	MS	6"SE-MS-05(2806D)	2-2101A- 41BC	BRANCH CONNECTION	MS-C-08D
CGE-2-2201A	MS	6"-SE-MS-06(2806I)	2-2201A- 21BC	BRANCH CONNECTION	MS-C-08I
CGE-2-2301	MS	6"SE-MS-07(2306N)	2-2301- 20BC	BRANCH CONNECTION	MS-C-08N
CGE-2-2101A	MS	6"SE-MS-05(2806E)	2-2101A- 42BC	BRANCH CONNECTION	MS-C-09E
CGE-2-2201A	MS	6"-SE-MS-06(2806J)	2-2201A- 22BC	BRANCH CONNECTION	MS-C-09J
CGE-2-2301	MS	6"SE-MS-07(2306P)	2-2301- 21BC	BRANCH CONNECTION	MS-C-09P
CGE-2-2101A	MS	14"Cap(1)	2-2101A- 36BC	BRANCH CONNECTION	MS-C-10A
CGE-2-2101A	MS	14"Cap(1)	2-2101A- 48	PIPE TO BRANCH NOZZLE	MS-C-10A
CGE-2-2101A	MS	14"Cap(1)	2-2101A- 49	PIPE TO PIPE CAP	MS-C-10A
CGE-2-2301	MS	14"SE-MS-07(1)	2-2301- 15BC	BRANCH CONNECTION	MS-C-10C
CGE-2-2301	MS	14"SE-MS-07(1)	2-2301- 23	PIPE TO BRANCH NOZZLE	MS-C-10C
CGE-2-2301	MS	14"SE-MS-07(1)	2-2301- 24	PIPE TO PIPE CAP	MS-C-10C
CGE-2-2101B	MS	14"Cap(2)	2-2101B- 43BC	BRANCH CONNECTION	MS-C-11A
CGE-2-2101B	MS	14"Cap(2)	2-2101B- 50	PIPE TO BRANCH NOZZLE	MS-C-11A
CGE-2-2101B	MS	14"Cap(2)	2-2101B- 51	PIPE TO PIPE CAP	MS-C-11A
CGE-2-2201A	MS	14"Capped(3)	2-2201A- 23BC	BRANCH CONNECTION	MS-C-11B
CGE-2-2201A	MS	14"Capped(3)	2-2201A- 25	PIPE TO BRANCH NOZZLE	MS-C-11B
CGE-2-2201A	MS	14"Capped(3)	2-2201A- 26	PIPE TO PIPE CAP	MS-C-11B
CGE-2-2301	MS	14"SE-MS-07(2)	2-2301- 22BC	BRANCH CONNECTION	MS-C-11C
CGE-2-2301	MS	14"SE-MS-07(2)	2-2301- 25	PIPE TO BRANCH NOZZLE	MS-C-11C

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2301	MS	14"SE-MS-07(2)	2-2301- 26	PIPE TO PIPE CAP	MS-C-11C
CGE-1-4100A	RC	29"RCA	1-4100A- 33(DM)	BIMETAL (INCONEL) WELD. NOZZLE BUTTER WELD	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 34(DM)	BIMETAL (INCONEL) WELD. PIPE BUTTER WELD	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 35	BIMETAL (INCONEL) WELD. NOZZLE-BUTTER TO PIPE-BUTTER WELD.	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 36	PIPE TO PIPE WELD	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 3	PIPE TO ELBOW	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 29	SAFE-END TO ELBOW, HOT LEG	RCS11
CGE-1-4100A	RC	29"RCA	1-4100A- 31(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - HOT LEG	RCS11
CGE-1-4100A	RC	31"RCA	1-4100A- 32(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - COLD LEG	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 30	SAFE-END TO ELBOW, COLD LEG	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 8	ELBOW TO PIPE	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 9	ELBOW TO PIPE	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 10	ELBOW TO PIPE	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 11	PIPE TO ELBOW	RCS12
CGE-1-4100A	RC	31"RCA	1-4100A- 12	ELBOW TO PUMP	RCS12
CGE-1-4100A	RC	27.5"RCA	1-4100A- 13	PIPE TO PUMP	RCS13
CGE-1-4100A	RC	27.5"RCA	1-4100A- 14	PIPE TO ELBOW	RCS13
CGE-1-4100A	RC	27.5"RCA	1-4100A- 15	BIMETAL (INCONEL) WELD.ELBOW TO SAFE END	RCS13
CGE-1-4100A	RC	27.5"RCA	1-4100A- 16(DM)	BIMETAL (INCONEL) WELD. R.V. LOOP A INLET NOZZLE TO SAFE END	RCS13
CGE-1-4100A	RC	3"Capped(A)	1-4100A- 20BC	3" BRANCH CONNECTION TO 31" PIPE (CAPPED)	RCS14
CGE-1-4100A	RC	3"Capped(A)	1-4100A- 27	PIPE CAP TO 3" BRANCH NOZZLE	RCS14
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 1	PIPE TO BRANCH NOZZLE,	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 2	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 3	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 4	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 5	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 6	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 7	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 8	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 9	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 10	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 11	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 12	PIPE TO TEE	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 14	PIPE TO TEE	RCS15A

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 15	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 16	PIPE TO ELBOW	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 17	PIPE TO VALVE (XVG-8085A),	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 18	PIPE TO VALVE (XVG-8085A),	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 19	PIPE TO VALVE (LCV-460),	RCS15A
CGE-1-4107A	CS	3"SE-CS-92(1)	1-4107A- 13	REDUCER TO TEE	RCS15A
CGE-1-4100A	RC	3"SE-CS-92(1BC)	1-4100A- 21BC	3" BRANCH (CGE-1-4107) CONNECTION TO 31" CROSS OVER PIPE	RCS15A
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 20	PIPE TO VALVE (LCV-460),	RCS15B
CGE-1-4107A	CS	3"SE-CS-92	1-4107A- 21	PIPE TO VALVE (LCV-459),	RCS15B
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 1	PIPE TO REDUCER,	RCS15C
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 2	SOCKET WELD - PIPE TO ELBOW,	RCS15C
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 3	SOCKET WELD - PIPE TO ELBOW,	RCS15C
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 4	SOCKET WELD - PIPE TO VALVE (XVG-8057A),	RCS15C
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 5	SOCKET WELD - PIPE TO VALVE (XVG-8057A)	RCS15D
CGE-1-4110A	CS	2"SE-CS-92	1-4110A- 6	SOCKET WELD - PIPE TO VALVE (XVG-8058A)	RCS15D
CGE-1-4100A	RC	2"Capped(A)	1-4100A- 22BC	2" BRANCH CONNECTION 27.5" PIPE (CAPPED)	RCS16
CGE-1-4100A	RC	2"Capped(A)	1-4100A- 28	PIPE CAP TO 2" BRANCH NOZZLE	RCS16
CGE-1-4200A	RC	29"RCB	1-4200A- 1(DM)	BIMETAL (INCONEL) WELD. R.V. LOOP B OUTLET NOZZLE TO SAFE	RCS21
CGE-1-4200A	RC	29"RCB	1-4200A- 2	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS21
CGE-1-4200A	RC	29"RCB	1-4200A- 3	PIPE TO ELBOW	RCS21
CGE-1-4200A	RC	29"RCB	1-4200A- 26	BIMETAL (INCONEL) WELD. SAFE-END TO ELBOW, HOT LEG	RCS21
CGE-1-4200A	RC	29"RCB	1-4200A- 28(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - HOT LEG	RCS21
CGE-1-4200A	RC	31"RCB	1-4200A- 27	BIMETAL (INCONEL) WELD. SAFE-END TO ELBOW, COLD LEG	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 29(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - COLD LEG	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 8	PIPE TO ELBOW	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 9	PIPE TO ELBOW	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 10	PIPE TO ELBOW	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 11	PIPE TO ELBOW	RCS22
CGE-1-4200A	RC	31"RCB	1-4200A- 12	ELBOW TO PUMP	RCS22
CGE-1-4200A	RC	27.5"RCB	1-4200A- 13	PIPE TO PUMP	RCS23
CGE-1-4200A	RC	27.5"RCB	1-4200A- 14	PIPE TO ELBOW	RCS23
CGE-1-4200A	RC	27.5"RCB	1-4200A- 15	BIMETAL (INCONEL) WELD. ELBOW TO SAFE END	RCS23
CGE-1-4200A	RC	27.5"RCB	1-4200A- 16(DM)	BIMETAL (INCONEL) WELD. R.V. LOOP B INLET NOZZLE TO SAFE END	RCS23
CGE-1-4200A	RC	3"Capped(B)	1-4200A- 18BC	3" BRANCH CONNECTION TO 31" PIPE (CAPPED)	RCS24

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4200A	RC	3"Capped(B)	1-4200A- 25	PIPE CAP TO NOZZLE	RCS24
CGE-1-4200A	RC	2"DE-RC-10	1-4200A- 19BC	2" BRANCH CONNECTION TO 31" PIPE	RCS25A
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 1	SOCKET WELD/BRANCH,	RCS25A
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 2	SOCKET WELD/ELBOW	RCS25A
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 3	SOCKET WELD/ELBOW	RCS25A
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 4	SOCKET WELD/XVT8057B,	RCS25A
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 5	SOCKET WELD/XVT8057B	RCS25B
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 6	SOCKET WELD/TEE	RCS25B
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 8	SOCKET WELD/TEE	RCS25B
CGE-1-4208A	RC	2"DE-RC-10	1-4208A- 9	SOCKET WELD/XVT8058B,	RCS25B
CGE-1-4208A	RC	2"DE-RC-10(1)	1-4208A- 7	SOCKET WELD/TEE	RCS25B
CGE-1-4200A	RC	2"Capped(B)	1-4200A- 20BC	2" BRANCH CONNECTION TO 27.5" COLD LEG PIPE (CAPPED)	RCS26
CGE-1-4200A	RC	2"Capped(B)	1-4200A- 24	PIPE CAP TO NOZZLE	RCS26
CGE-1-4300A	RC	29"RCC	1-4300A- 1(DM)	BIMETAL (INCONEL) WELD. R.V. LOOP C OUTLET NOZZLE TO SAFE	RCS31
CGE-1-4300A	RC	29"RCC	1-4300A- 2	BIMETAL (INCONEL) WELD. SAFE END/PIPE	RCS31
CGE-1-4300A	RC	29"RCC	1-4300A- 3	PIPE TO ELBOW	RCS31
CGE-1-4300A	RC	29"RCC	1-4300A- 27	BIMETAL (INCONEL) WELD. SAFE-END TO ELBOW, HOT LEG	RCS31
CGE-1-4300A	RC	29"RCC	1-4300A- 29(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - HOT LEG	RCS31
CGE-1-4300A	RC	31"RCC	1-4300A- 30(DM)	BIMETAL (INCONEL) WELD. NOZZLE TO SAFE END WELD - COLD LEG	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 28	BIMETAL (INCONEL) WELD. SAFE-END TO ELBOW, COLD LEG	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 8	PIPE TO ELBOW	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 9	PIPE TO ELBOW	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 10	PIPE TO ELBOW	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 11	PIPE TO ELBOW	RCS32
CGE-1-4300A	RC	31"RCC	1-4300A- 12	ELBOW TO PUMP	RCS32
CGE-1-4300A	RC	27.5"RCC	1-4300A- 13	PIPE TO PUMP	RCS33
CGE-1-4300A	RC	27.5"RCC	1-4300A- 14	PIPE TO ELBOW	RCS33
CGE-1-4300A	RC	27.5"RCC	1-4300A- 15	BIMETAL (INCONEL) WELD. ELBOW TO SAFE END	RCS33
CGE-1-4300A	RC	27.5"RCC	1-4300A- 16(DM)	BIMETAL (INCONEL) WELD. R.V. LOOP C INLET NOZZLE TO SAFE END	RCS33
CGE-1-4300A	RC	3"Capped(C)	1-4300A- 19BC	3" BRANCH CONNECTION TO 31" PIPE (CAPPED)	RCS34
CGE-1-4300A	RC	3"Capped(C)	1-4300A- 25	PIPE CAP TO 3" NOZZLE	RCS34
CGE-1-4300A	RC	2"DE-RC-08	1-4300A- 20BC	2" BRANCH CONNECTION TO 31" PIPE	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 1	SOCKET WELD/HALF COUPLING	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 2	SOCKET WELD/ELBOW	RCS35A

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4308	RC	2"DE-RC-08	1-4308- 3	SOCKET WELD/ELBOW	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 4	SOCKET WELD/ELBOW	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 5	SOCKET WELD/ELBOW	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 6	SOCKET WELD/TEE	RCS35A
CGE-1-4308	RC	2"DE-RC-08	1-4308- 7	SOCKET WELD/TEE	RCS35A
CGE-1-4308	RC	2"DE-RC-08(1)	1-4308- 8	SOCKET WELD/TEE	RCS35A
CGE-1-4308	RC	2"DE-RC-08(1)	1-4308- 9	SOCKET WELD/XVT-8057C	RCS35A
CGE-1-4308	RC	2"DE-RC-08(1)	1-4308- 10	SOCKET WELD/XVT-8057C	RCS35B
CGE-1-4308	RC	2"DE-RC-08(1)	1-4308- 11	SOCKET WELD/XVT-8058C	RCS35B
CGE-1-4300A	RC	2"Capped(C)	1-4300A- 22BC	2" BRANCH CONNECTION TO 27.5" PIPE (CAPPED)	RCS36
CGE-1-4300A	RC	2"Capped(C)	1-4300A- 26	PIPE CAP TO 2" NOZZLE	RCS36
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 1(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER SURGE LINE NOZZLE TO	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 2	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 3	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 4	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 5	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 6	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 7	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 8	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 9	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 10	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 11	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 12	PIPE TO ELBOW	RCS37
CGE-1-4500A	RC	14"DE-RC-01	1-4500A- 13	PIPE TO BRANCH CONNECTION	RCS37
CGE-1-4100A	RC	14"DE-RC-01	1-4100A- 19BC	14" BRANCH (CGE-1-4500) CONNECTION TO 29" PIPE	RCS37
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 1(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER SAFETY NOZZLE TO SAFE	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 2	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 3	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 4	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 5	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 6	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 7	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 8	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 9	PIPE TO ELBOW	RCS51

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 10	PIPE TO ELBOW	RCS51
CGE-1-4501	RC	6"SE-RC-09(1)	1-4501- 11	PIPE TO FLANGE	RCS51
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 12(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER SAFETY NOZZLE TO SAFE	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 13	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 14	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 15	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 16	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 17	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 18	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 19	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 20	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 21	PIPE TO ELBOW	RCS52
CGE-1-4501	RC	6"SE-RC-09(2)	1-4501- 22	PIPE TO FLANGE	RCS52
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 23(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER SAFETY NOZZLE TO SAFE	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 24	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 25	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 26	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 27	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 28	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 29	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 30	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 31	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 32	PIPE TO ELBOW	RCS53
CGE-1-4501	RC	6"SE-RC-09(3)	1-4501- 33	PIPE TO FLANGE	RCS53
CGE-1-4505A	RC	3"SE-RC-10(1)	1-4505A- 3	PIPE TO VALVE (XVG-8000B)	RCS54
CGE-1-4505A	RC	3"SE-RC-10(1)	1-4505A- 4	PIPE TO REDUCER	RCS54
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 10	PIPE TO REDUCER	RCS54
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 9	PIPE TO VALVE (XVG-8000A)	RCS54
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 11	PIPE TO REDUCER	RCS54
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 12	PIPE TO ELBOW	RCS54
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 13	PIPE TO ELBOW	RCS54
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 14	PIPE TO VALVE (XVG-8000C)	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 1(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER RELIEF NOZZLE TO SAFE	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 2	BIMETAL (INCONEL) WELD. SAFE END TO PIPE	RCS54

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 3	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 4	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 5	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 6	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 7	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 8	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 9	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 10	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 11	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 12	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(1)	1-4502- 13	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 16	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 17	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 20	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 21	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 22	PIPE TO ELBOW	RCS54
CGE-1-4502	RC	6"SE-RC-10(2)	1-4502- 23	PIPE TO REDUCER	RCS54
CGE-1-4502	RC	6"SE-RC-10(3)	1-4502- 19	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(3)	1-4502- 18	PIPE TO REDUCER	RCS54
CGE-1-4502	RC	6"SE-RC-10(4)	1-4502- 15	PIPE TO TEE	RCS54
CGE-1-4502	RC	6"SE-RC-10(4)	1-4502- 14	PIPE TO REDUCER	RCS54
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 5	PIPE TO VALVE (PCV-445A)	RCS55
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 6	PIPE TO ELBOW	RCS55
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 7	PIPE TO ELBOW	RCS55
CGE-1-4505A	RC	3"SE-RC-10(2)	1-4505A- 8	PIPE TO VALVE (XVG-8000A)	RCS55
CGE-1-4505A	RC	3"SE-RC-10(1)	1-4505A- 1	PIPE TO VALVE (PCV-444B)	RCS56
CGE-1-4505A	RC	3"SE-RC-10(1)	1-4505A- 2	PIPE TO VALVE (XVG-8000B)	RCS56
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 15	PIPE TO VALVE (XVG-8000C)	RCS57
CGE-1-4505A	RC	3"SE-RC-10(3)	1-4505A- 16	PIPE TO VALVE (PCV-445B)	RCS57
CGE-1-4100A	RC	4"SE-RC-05	1-4100A- 23BC	4" BRANCH CONNECTION TO 27.5" PIPE	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 1	PIPE TO BRANCH CONNECTION	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 2	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 3	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 4	PIPE TO ELBOW	RCS58

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 5	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 6	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 7	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 8	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 9	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 10	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 11	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 12	PIPE TO PIPE	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 13	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 14	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 15	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 16	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 17	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 18	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 19	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 20	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 21	PIPE TO PIPE	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 22	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 23	PIPE TO ELBOW	RCS58
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 24	PIPE TO VALVE (PCV-444D)	RCS58
CGE-1-4300A	RC	4"SE-RC-05	1-4300A- 21BC	4" BRANCH CONNECTION TO 27.5" PIPE	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 1	PIPE TO BRANCH CONNECTION	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 2	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 3	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 4	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 5	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 6	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 7	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 8	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 9	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 10	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 11	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 12	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 13	PIPE TO ELBOW	RCS59

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4503	RC	4"SE-RC-06	1-4503- 14	PIPE TO PIPE	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 15	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 16	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 17	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 18	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 19	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 20	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 21	PIPE TO PIPE	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 22	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 23	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 24	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 25	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 26	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 27	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 28	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 29	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 30	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 31	PIPE TO ELBOW	RCS59
CGE-1-4503	RC	4"SE-RC-06	1-4503- 32	PIPE TO VALVE (PCV-444C)	RCS59
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 33	PIPE TO VALVE (PCV-444C)	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 34	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 35	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 36	PIPE TO PIPE	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 37	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 38	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 39	PIPE TO TEE	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 40	PIPE TO TEE	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 41	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 42	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 43	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 44	PIPE TO ELBOW	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 45	BIMETAL (INCONEL) WELD. PIPE TO SAFE END	RCS60
CGE-1-4503	RC	4"SE-RC-05(1)	1-4503- 46(DM)	BIMETAL (INCONEL) WELD. PRESSURIZER SPRAY NOZZLE TO SAFE	RCS60
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 25	PIPE TO VALVE (PCV-444D)	RCS60

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 26	PIPE TO ELBOW	RCS60
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 27	PIPE TO ELBOW	RCS60
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 28	PIPE TO ELBOW	RCS60
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 29	PIPE TO ELBOW	RCS60
CGE-1-4504	RC	4"SE-RC-05(2)	1-4504- 30	PIPE TO TEE	RCS60
CGE-2-2500	SI	14"SE-SI-04(2)	2-2500- 57	PIPE TO VALVE (8958A)	RHR-C-01A1
CGE-2-2500	SI	14"SE-SI-04(2)	2-2500- 58	PIPE TO VALVE (8809A)	RHR-C-01A1
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 45	PIPE TO TEE	RHR-C-01A2
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 44	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 43	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 56	ELBOW TO VALVE (8812A)	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 55	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 54	PIPE TO PIPE	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 53	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 52	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 51	PIPE TO TEE	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 49	TEE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 48	PIPE TO ELBOW	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 47	PIPE TO PIPE	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 46	PIPE TO TEE	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(2)	2-2500- 50	TEE TO VALVE (8958A)	RHR-C-01A2
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 60	PIPE TO VALVE (8811A)	RHR-C-01A3
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 69	PIPE TO PIPE	RHR-C-01A3
CGE-2-2500	SI	14"SE-SI-04(1)	2-2500- 59	PIPE TO VALVE (8812A)	RHR-C-01A3
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 1	PIPE TO VALVE (8701A)	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 2	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 3	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 4	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 5	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 6	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 7	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 8	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 9	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 10	PIPE TO ELBOW	RHR-C-01A4

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 11	PIPE TO ELBOW	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 13	PIPE TO PIPE	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 14	PIPE TO PENETRATION XRP-316	RHR-C-01A4
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 15	PIPE TO PENETRATION XRP-316	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 16	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 17	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 18	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 19	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 20	PIPE TO PIPE	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 21	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 22	PIPE TO ELBOW	RHR-C-01A5
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 23	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 24	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 25	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 26	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 27	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 28	PIPE TO ELBOW	RHR-C-01A6
CGE-2-2500	RHR	12"SE-RH-10/06(A)	2-2500- 29	PIPE TO TEE	RHR-C-01A6
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 42	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 41	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 40	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 39	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 38	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 37	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 36	PIPE TO FLANGE (STRAINER)	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 35	PIPE TO FLANGE (STRAINER)	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 34	PIPE TO FLANGE (STRAINER)	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 33	PIPE TO FLANGE (STRAINER)	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 32	PIPE TO ELBOW	RHR-C-01A7
CGE-2-2500	RHR	14"SE-RH-04	2-2500- 31	ELBOW TO NOZZLE (RHR PUMP A SUCTION)	RHR-C-01A7
CGE-2-2501	SI	14"SE-RH-01(2)	2-2501- 60	ELBOW TO VALVE (8809B)	RHR-C-01B1
CGE-2-2501	SI	14"SE-RH-01(2)	2-2501- 59	ELBOW TO VALVE (8958B)	RHR-C-01B1
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 28	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 29	PIPE TO ELBOW	RHR-C-01B2

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 69	PIPE TO PIPE (VW2)	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 30	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 31	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 70	PIPE TO PIPE	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 71	PIPE TO PIPE	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 32	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 33	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 34	PIPE TO TEE	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01	2-2501- 49	PIPE TO TEE	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01	2-2501- 48	PIPE TO TEE	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 47	TEE TO VALVE (8958B)	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 46	PIPE TO TEE	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 45	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 44	PIPE TO ELBOW	RHR-C-01B2
CGE-2-2501	SI	14"SE-SI-05	2-2501- 50	PIPE TO VALVE (8812B)	RHR-C-01B2
CGE-2-2501	SI	14"SE-SI-05	2-2501- 51	PIPE TO TEE	RHR-C-01B2
CGE-2-2501	SI	14"SE-SI-05	2-2501- 55	PIPE TO VALVE (8811B)	RHR-C-01B3
CGE-2-2501	SI	14"SE-SI-05	2-2501- 61	PIPE TO PIPE	RHR-C-01B3
CGE-2-2501	SI	14"SE-SI-05	2-2501- 54	PIPE TO ELBOW	RHR-C-01B3
CGE-2-2501	SI	14"SE-SI-05	2-2501- 53	PIPE TO ELBOW	RHR-C-01B3
CGE-2-2501	SI	14"SE-SI-05	2-2501- 52	PIPE TO VALVE (8812B)	RHR-C-01B3
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 1	PIPE TO VALVE (8701B)	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 2	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 3	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 4	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 5	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 6	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 7	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 8	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 9	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 10	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 11	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 12	PIPE TO ELBOW	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 13	PIPE TO ELBOW	RHR-C-01B4

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2501	RHR	12"SE-RH-10	2-2501- 14	PIPE TO PENETRATION XRP-226	RHR-C-01B4
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 15	ELBOW TO PENETRATION XRP-226	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 16	PIPE TO ELBOW	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 17	PIPE TO ELBOW	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 18	PIPE TO ELBOW	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 19	PIPE TO ELBOW	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 20	PIPE TO ELBOW	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 21	PIPE TO PIPE	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 22	PIPE TO PIPE	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 67	PIPE TO PIPE (SW3)	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 68	PIPE TO PIPE (FW4)	RHR-C-01B5
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 24	PIPE TO PIPE	RHR-C-01B6
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 25	PIPE TO PIPE	RHR-C-01B7
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 26	PIPE TO ELBOW	RHR-C-01B7
CGE-2-2501	RHR	12"SE-RH-01	2-2501- 27	PIPE TO ELBOW	RHR-C-01B7
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 91	PIPE TO PIPE	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 43	PIPE TO ELBOW	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 42	PIPE TO ELBOW	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 41	PIPE TO FLANGE (STRAINER)	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 40	PIPE TO FLANGE (STRAINER)	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 39	PIPE TO FLANGE (STRAINER)	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 38	PIPE TO FLANGE (STRAINER)	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 37	PIPE TO ELBOW	RHR-C-01B8
CGE-2-2501	RHR	14"SE-RH-01(2)	2-2501- 36	ELBOW TO NOZZLE (RHR PUMP B SUCTION)	RHR-C-01B8
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 1	REDUCER TO NOZZLE (RHR PUMP A DISCHARGE)	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 63	REDUCER TO PIPE (RHR PUMP A DISCHARGE)	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 2	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 3	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 4	PIPE TO VALVE (8728A)	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 5	PIPE TO VALVE (8728A)	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 6	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 7	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 8	PIPE TO FLANGE (ORIFICE)	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 9	PIPE TO FLANGE (ORIFICE)	RHR-C-02A

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 10	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 11	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 12	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 13	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 14	PIPE TO ELBOW	RHR-C-02A
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 15	PIPE TO ELBOW	RHR-C-02A
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 37	REDUCER TO NOZZLE (RHR PUMP B DISCHARGE)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 68	PIPE TO REDUCER (RHR PUMP B DISCHARGE)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 36	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 35	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 34	PIPE TO VALVE (8728B)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 33	PIPE TO VALVE (8728B)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 32	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 31	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 30	PIPE TO FLANGE (ORIFICE)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 29	PIPE TO FLANGE (ORIFICE)	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 27	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 26	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 25	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 24	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 23	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 22	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 21	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 20	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 19	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 18	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 17	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 16	PIPE TO ELBOW	RHR-C-02B
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 69	PIPE TO PIPE	RHR-C-02B
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 16	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 17	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 18	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 19	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 68	PIPE TO PIPE	RHR-C-03A2

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 20	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 21	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 67	PIPE TO PIPE	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 22	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 23	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 24	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 25	PIPE TO ELBOW	RHR-C-03A2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 15	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 14	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 13	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 12	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 70	PIPE TO PIPE	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 11	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 10	PIPE TO ELBOW	RHR-C-03B2
CGE-2-2522A	CS	8"SE-CS-01	2-2522A- 17	PIPE TO VALVE (8706A)	RHR-C-04A1
CGE-2-2522A	CS	8"SE-CS-01	2-2522A- 18	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	CS	8"SE-CS-01	2-2522A- 19	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 26	PIPE TO TEE	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 27	PIPE TO TEE	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 28	PIPE TO PIPE	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 29	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 30	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 31	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 32	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 66	PIPE TO PIPE	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 33	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 34	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 35	PIPE TO FLANGE (RHRHX-A)	RHR-C-04A1
CGE-2-2520A	RHR	10"RH-601R	2-2520A- 62	FLANGE TO NOZZLE (RHRHX-A)	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 47	FLANGE TO NOZZLE (RHRHX-A)	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 48	FLANGE TO ELBOW (RHRHX-A)	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 2	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 3	PIPE TO TEE	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 4	PIPE TO TEE	RHR-C-04A1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 5	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 6	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 7	PIPE TO FLANGE (HCV-603A)	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 8	PIPE TO FLANGE (HCV-603A)	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 9	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 10	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 11	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 12	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 13	PIPE TO TEE	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 14	PIPE TO TEE	RHR-C-04A1
CGE-2-2522A	RHR	10"SE-RH-04	2-2522A- 44	PIPE TO VALVE (8716A)	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 39	PIPE TO TEE	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 40	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 41	PIPE TO ELBOW	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 49	PIPE TO PIPE	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 42	PIPE TO FLANGE (FCV-605A)	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04	2-2522A- 43	PIPE TO FLANGE (FCV-605A)	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04(2)	2-2522A- 15	PIPE TO TEE	RHR-C-04A1
CGE-2-2522A	RHR	8"SE-RH-04(2)	2-2522A- 16	PIPE TO VALVE (8706A)	RHR-C-04A1
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 23	PIPE TO VALVE (8716A)	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 24	PIPE TO FLANGE (ORIFICE)	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 25	PIPE TO FLANGE (ORIFICE)	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 26	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 27	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 28	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 29	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 30	PIPE TO PIPE	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 31	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 32	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 33	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 34	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-04(1)	2-2521B- 35	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2521B	RHR	10"SE-RH-05	2-2521B- 36	PIPE TO ELBOW	RHR-C-04A2
CGE-2-2524	RHR	10"SE-RH-02	2-2524- 9	PIPE TO TEE	RHR-C-04B1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 8	PIPE TO TEE	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 7	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 6	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 5	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 4	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 71	PIPE TO PIPE	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 3	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 2	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 1	PIPE TO FLANGE (RHRHX-B)	RHR-C-04B1
CGE-2-2524	RHR	10"SE-RH-03	2-2524- 72	NOZZLE TO FLANGE (RHRHX-B)	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A-135	NOZZLE TO FLANGE (RHRHX-B)	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 1	ELBOW TO FLANGE (RHRHX-B)	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 2	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 3	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 4	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 5	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 6	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 7	PIPE TO FLANGE (HCV-603B)	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 8	PIPE TO FLANGE (HCV-603B)	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 9	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 10	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 11	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 12	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 13	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 14	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 15	PIPE TO VALVE (8716B)	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 83	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 84	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 85	PIPE TO ELBOW	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 86	PIPE TO FLANGE (FCV-605B)	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 87	PIPE TO FLANGE (FCV-605B)	RHR-C-04B1
CGE-2-2523A	RHR	8"SE-RH-05	2-2523A- 88	PIPE TO TEE	RHR-C-04B1
CGE-2-2523A	RHR	SE-RH-01	2-2523A-136	PIPE TO TEE	RHR-C-04B1
CGE-2-2523C	RHR	SE-RH-01	2-2523C- 51	PIPE TO VALVE (8706B)	RHR-C-04B1

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 16	PIPE TO VALVE (8716B)	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 17	PIPE TO FLANGE (ORIFICE)	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 18	PIPE TO FLANGE (ORIFICE)	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 19	PIPE TO ELBOW	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 20	PIPE TO ELBOW	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 21	PIPE TO ELBOW	RHR-C-04B2
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 22	PIPE TO ELBOW	RHR-C-04B2
CGE-2-2521B	RHR	10"SE-RH-05	2-2521B- 37	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521B	RHR	10"SE-RH-05	2-2521B- 38	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 39	PIPE TO PIPE	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 40	PIPE TO PIPE	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 41	PIPE TO PIPE	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 42	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 43	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 44	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 45	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 46	PIPE TO PIPE	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 47	PIPE TO PIPE	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 48	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 49	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 50	PIPE TO ELBOW	RHR-C-05A
CGE-2-2521A	RHR	10"SE-RH-05	2-2521A- 51	PIPE ON ELBOW	RHR-C-05A
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 23	PIPE TO PIPE	RHR-C-05B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 24	PIPE TO PIPE	RHR-C-05B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A-133	PIPE TO PIPE	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 25	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 26	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A-111	PIPE TO PIPE	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 27	PIPE TO PIPE	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 28	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 29	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 30	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 31	PIPE TO ELBOW	RHR-C-06B
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A-112	PIPE TO PIPE	RHR-C-06B

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 32	PIPE TO PIPE	RHR-C-06B
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 52	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 53	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 54	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 55	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 56	PIPE TO TEE	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 57	PIPE TO TEE	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 58	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 59	ELBOW TO VALVE (8887A)	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 22	PIPE TO TEE	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 21	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 20	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 19	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 18	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 17	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 16	PIPE TO ELBOW	RHR-C-07A
CGE-2-2521A	SI	10"SE-SI-02	2-2521A- 15	PIPE TO VALVE (8888A)	RHR-C-07A
CGE-2-2523A	RHR	10"SE-RH-05	2-2523A- 91	PIPE TO PIPE	RHR-C-07B
CGE-2-2523A	SI	10"SE-SI-02	2-2523A- 33	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 31	PIPE TO TEE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 30	PIPE TO PIPE	RHR-C-07B
CGE-2-2523A	SI	10"SE-SI-02	2-2523A- 34	PIPE TO ELBOW	RHR-C-07B
CGE-2-2523B	SI	10"SE-SI-02	2-2523B- 35	PIPE TO TEE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 29	PIPE TO ELBOW	RHR-C-07B
CGE-2-2523B	SI	10"SE-SI-02	2-2523B- 36	PIPE TO TEE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 28	PIPE TO ELBOW	RHR-C-07B
CGE-2-2523B	SI	10"SE-SI-02	2-2523B- 37	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 27	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 26	PIPE TO ELBOW	RHR-C-07B
CGE-2-2523B	SI	10"SE-SI-02	2-2523B- 38	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 25	PIPE TO PIPE	RHR-C-07B
CGE-2-2523B	SI	10"SE-SI-02	2-2523B- 39	PIPE TO VALVE (8887B)	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 24	PIPE TO PIPE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 23	PIPE TO PIPE	RHR-C-07B

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2525	SI	10"SE-SI-02	2-2525- 39	PIPE TO PIPE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 22	PIPE TO PIPE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 38	PIPE TO PIPE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 21	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 20	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 19	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 18	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 17	PIPE TO PIPE	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 16	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 15	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 14	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 13	PIPE TO ELBOW	RHR-C-07B
CGE-2-2525	SI	10"SE-SI-02	2-2525- 12	PIPE TO VALVE (8888B)	RHR-C-07B
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 61	PIPE TO VALVE (8887A)	RHR-C-07C
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 62	PIPE TO TEE	RHR-C-07C
CGE-2-2521A	SI	10"SE-RH-05	2-2521A- 63	TEE TO VALVE (8887B)	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-02(1)	2-2523B- 40	PIPE TO TEE	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-02(1)	2-2523B- 41	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 42	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 43	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 44	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 45	PIPE TO PIPE	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 46	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 47	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 48	PIPE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 49	ELBOW TO TEE	RHR-C-07C
CGE-2-2523B	SI	10"SE-SI-03	2-2523B- 50	TEE TO VALVE (8889)	RHR-C-07C
CGE-2-2523B	SI	8"SE-SI-02	2-2523B- 89	TEE TO ELBOW	RHR-C-07C
CGE-2-2523B	SI	8"SE-SI-02	2-2523B- 90	ELBOW TO VALVE (8881)	RHR-C-07C
CGE-1-4100A	RC	12"SE-RC-04(A)	1-4100A- 18BC	12" BRANCH CONNECTION TO 29" PIPE	RHRA1
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 1	PIPE TO BRANCH NOZZLE,	RHRA1
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 2	PIPE TO ELBOW	RHRA1
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 3	PIPE TO ELBOW	RHRA1
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 5	PIPE TO ELBOW	RHRA1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 6	PIPE TO ELBOW	RHRA1
CGE-1-4102A	RHR	12"SE-RC-04(1)	1-4102A- 7	PIPE TO VALVE (XVG-8702A),	RHRA1
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 8	PIPE TO VALVE (XVG-8702A),	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 9	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 10	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 11	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 12	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 13	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 14	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 15	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 16	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 17	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 18	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 19	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 20	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 21	PIPE TO ELBOW	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 22	PIPE TO ELBOW ,	RHRA2
CGE-1-4102A	RHR	12"SE-RH-09(1)	1-4102A- 23	PIPE TO VALVE (XVG-8701A),	RHRA2
CGE-1-4102A	RHR	3"SE-RC-04(2BC)	1-4102A- 26BC	2" BRANCH CONNECTION TO 12" PIPE,	RHRA3
CGE-1-4102A	RHR	2"SE-RC-04(1)	1-4102A- 27SW	2" SOCKET WELD FILLET	RHRA4
CGE-1-4102A	RHR	3"SE-RH-09(1)	1-4102A- 24BC	2" BRANCH CONNECTION TO 12" PIPE,	RHRA5
CGE-1-4102A	RHR	2"SE-RC-09(1)	1-4102A- 25SW	2" SOCKET WELD FILLET	RHRA6
CGE-1-4300A	RC	12"SE-RC-04(C)	1-4300A- 18BC	12" BRANCH CONNECTION TO 29" PIPE	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 1	PIPE TO BRANCH NOZZLE,	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 2	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 3	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 4	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 5	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 6	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 7	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 8	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 9	PIPE TO ELBOW	RHRC1
CGE-1-4302	SI	12"SE-RC-04(2)	1-4302- 10	PIPE TO VALVE (XVG-8702B),	RHRC1
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 11	PIPE TO VALVE (XVG-8702B),	RHRC2

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 12	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 13	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 14	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 15	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 16	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 17	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 18	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 19	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 20	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 21	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 22	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 23	PIPE TO ELBOW	RHRC2
CGE-1-4302	SI	12"SE-RH-09(2)	1-4302- 24	PIPE TO VALVE (XVG-8701B),	RHRC2
CGE-1-4302	SI	3"SE-RC-04(3BC)	1-4302- 25BC	2" BRANCH CONNECTION TO 12" PIPE,	RHRC3
CGE-1-4302	SI	2"SE-RC-04	1-4302- 26	SOCKET WELD/HALF COUPLING	RHRC4
CGE-1-4302	SI	3"SE-RH-09(2)	1-4302- 27BC	2" BRANCH CONNECTION TO 12" PIPE	RHRC5
CGE-1-4302	SI	2"SE-RH-09(2)	1-4302- 28	SOCKET WELD/HALF COUPLING	RHRC6
CGE-1-4302	SI	2"SE-RH-09(3)	1-4302- 29BC	2" BRANCH CONNECTION TO 12" PIPE	RHRC7
CGE-1-4302	SI	2"SE-RH-09(3)	1-4302- 30	SOCKET WELD/HALF COUPLING	RHRC7
CGE-2-3011	SI	20"RH-03	2-3011- 1	PSI; PIPE TO NOZZLE (RWST)	RWST-C-01
CGE-2-3011	SI	20"RH-03	2-3011- 2	PIPE TO VALVE (XVG-6700)	RWST-C-01
CGE-2-3011	SI	20"RH-03	2-3011- 3	ELBOW TO VALVE (XVG-6700)	RWST-C-01
CGE-2-3011	SI	20"RH-03	2-3011- 4	PIPE TO ELBOW	RWST-C-01
CGE-2-3011	SI	20"RH-03	2-3011- 5	PIPE TO ELBOW	RWST-C-02
CGE-2-3011	SI	20"RH-03	2-3011- 6	PIPE TO ELBOW	RWST-C-02
CGE-2-3011	SI	20"RH-03	2-3011- 7	PIPE TO ELBOW	RWST-C-02
CGE-2-3011	SI	20"RH-03	2-3011- 8	PIPE TO ELBOW	RWST-C-02
CGE-2-3011	SI	8"SP-301	2-3011-BC1	BRANCH CONNECTION	RWST-C-02
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 90	PIPE TO TEE	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 91	PIPE TO VALVE (LCV-115B)	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 95	PIPE TO VALVE (8926)	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 94	PIPE TO ELBOW	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 93	PIPE TO ELBOW	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 92	PIPE TO TEE	RWST-C-03

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 89	PIPE TO TEE	RWST-C-03
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 88	PIPE TO VALVE (LCV-115D)	RWST-C-03
CGE-2-3011	SI	12"SP-151(1)	2-3011-BC2	BRANCH CONNECTION	RWST-C-03
CGE-2-3011	SI	14"RH-03	2-3011-BC3	BRANCH CONNECTION	RWST-C-03
CGE-2-3011	SI	14"RH-03	2-3011- 15	PIPE TO BRANCH NOZZLE	RWST-C-03
CGE-2-3011	SI	20"RH-03	2-3011- 9	PIPE TO PIPE	RWST-C-03
CGE-2-3011	SI	20"RH-03	2-3011- 10	PIPE TO PIPE	RWST-C-03
CGE-2-3011	SI	20"RH-03	2-3011- 11	PIPE TO PIPE	RWST-C-03
CGE-2-3011	SI	20"RH-03	2-3011- 12	PIPE TO REDUCER	RWST-C-03
CGE-2-3011	SI	8"CS-22	2-3011- 13	PIPE TO REDUCER	RWST-C-03
CGE-2-3011	SI	8"CS-22	2-3011- 14	PIPE TO VALVE (XVC-8926)	RWST-C-03
CGE-2-3003	SP	12"SP-151(1)	2-3003- 1	PIPE TO BRANCH NOZZLE	RWST-C-03
CGE-2-3003	SP	12"SP-151(1)	2-3003- 2	PIPE TO ELBOW	RWST-C-03
CGE-2-3003	SP	12"SP-151(1)	2-3003- 3	PIPE TO ELBOW	RWST-C-03
CGE-2-3003	SP	12"SP-151(1)	2-3003- 4	PIPE TO ELBOW	RWST-C-03
CGE-2-3003	SP	12"SP-151(1)	2-3003- 5	PIPE TO ELBOW	RWST-C-03
CGE-2-3011	SI	14"RH-03	2-3011- 16	PIPE TO ELBOW	RWST-C-04
CGE-2-3011	SI	14"RH-03	2-3011- 17	PIPE TO ELBOW	RWST-C-04
CGE-2-3011	SI	14"RH-03	2-3011- 18	PIPE TO ELBOW	RWST-C-04
CGE-2-3011	SI	14"RH-03	2-3011- 19	PIPE TO ELBOW	RWST-C-04
CGE-2-3011	SI	14"RH-03	2-3011- 20	PIPE TO PIPE	RWST-C-04
CGE-2-3011	SI	14"RH-03	2-3011- 21	PIPE TO PIPE	RWST-C-05
CGE-2-3011	SI	14"RH-03	2-3011- 22	PIPE TO ELBOW	RWST-C-05
CGE-2-3011	SI	14"RH-03	2-3011- 23	PIPE TO ELBOW	RWST-C-05
CGE-2-3011	SI	14"RH-03	2-3011- 24	PIPE TO PIPE	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 25	PIPE TO TEE	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 26	PIPE TO TEE	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 27	PIPE TO PIPE	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 28	PIPE TO PIPE	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 29	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 30	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 31	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 32	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03	2-3011- 33	PIPE TO ELBOW	RWST-C-06

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3011	SI	14"RH-03	2-3011- 34	ELBOW TO VALVE (XVG-8809A)	RWST-C-06
CGE-2-3011	SI	14"RH-03(1)	2-3011- 35	PIPE TO TEE	RWST-C-06
CGE-2-3011	SI	14"RH-03(1)	2-3011- 36	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03(1)	2-3011- 37	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	14"RH-03(1)	2-3011- 38	PIPE TO VALVE (XVG-8809B)	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011-BC4	BRANCH CONNECTION	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 39	PIPE TO BRANCH NOZZLE	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 40	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 41	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 42	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 43	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 44	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 45	PIPE TO ELBOW	RWST-C-06
CGE-2-3011	SI	8"RH-08	2-3011- 46	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 47	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 48	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 49	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 50	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 51	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 52	PIPE TO ELBOW	RWST-C-07
CGE-2-3011	SI	8"RH-08	2-3011- 53	PIPE TO VALVE XVG-8881	RWST-C-07
CGE-2-3003	SP	12"SP-151(1)	2-3003- 6	PIPE TO PIPE	RWST-C-08
CGE-2-3003	SP	12"SP-151(1)	2-3003- 7	PIPE TO ELBOW	RWST-C-08
CGE-2-3003	SP	12"SP-151(1)	2-3003- 8	PIPE TO ELBOW	RWST-C-08
CGE-2-3003	SP	12"SP-151(1)	2-3003- 9	PIPE TO PIPE	RWST-C-08
CGE-2-3003	SP	12"SP-151(1)	2-3003- 10	PIPE TO TEE	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 11	PIPE TO TEE	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 12	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 13	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 14	PIPE TO FLANGE	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 15	PIPE TO FLANGE	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 16	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 17	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 18	PIPE TO ELBOW	RWST-C-09

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3003	SP	12"SP-151(1)	2-3003- 19	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 20	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 21	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(1)	2-3003- 22	PIPE TO VALVE (3001A)	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 25	PIPE TO TEE	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 26	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 27	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 28	PIPE TO FLANGE	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 29	PIPE TO FLANGE	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 30	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 31	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 32	PIPE TO ELBOW	RWST-C-09
CGE-2-3003	SP	12"SP-151(2)	2-3003- 33	ELBOW TO VALVE (3001B)	RWST-C-09
CGE-2-3002	SP	8"SP-301	2-3002- 1	PIPE TO VALVE (3011-SP)	RWST-C-10
CGE-2-3002	SP	8"SP-301	2-3002- 2	PIPE TO ELBOW	RWST-C-10
CGE-2-3002	SP	8"SP-301	2-3002- 3	PIPE TO ELBOW	RWST-C-10
CGE-2-3002	SP	8"SP-301	2-3002- 4	PIPE TO FLANGE	RWST-C-10
CGE-2-3002	SP	8"SP-301	2-3002- 5	PIPE TO FLANGE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 6	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 7	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 8	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 9	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 10	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 11	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 12	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 13	PIPE TO PIPE	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 14	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 15	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 16	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 17	PIPE TO ELBOW	RWST-C-11
CGE-2-3002	SP	8"SP-301	2-3002- 18	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 19	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 20	PIPE TO PIPE	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 21	PIPE TO ELBOW	RWST-C-12

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3002	SP	8"SP-301	2-3002- 22	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 23	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 24	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 25	PIPE TO ELBOW	RWST-C-12
CGE-2-3002	SP	8"SP-301	2-3002- 26	ELBOW TO BRANCH NOZZLE	RWST-C-12
CGE-2-2540B	CS	4"WOL	2-2540B-1BC	BRANCH CONNECTION- WOL	SI-C-01
CGE-2-2540B	CS	4"WOL	2-2540B- 98	PIPE TO BRANCH NOZZLE	SI-C-01
CGE-2-2540B	CS	4"WOL	2-2540B- 99	PIPE TO ELBOW	SI-C-01
CGE-2-2540B	CS	4"WOL	2-2540B-100	PIPE TO VALVE (8440)	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 75	PIPE TO PIPE	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 76	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 77	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 78	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 79	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 80	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 81	PIPE TO ELBOW	SI-C-01
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 82	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 44	PIPE TO VALVE (LCV-115B)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 45	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 46	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 47	PIPE TO VALVE (8130A)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 48	PIPE TO VALVE (8130A)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 49	PIPE TO VALVE (8130B)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 50	PIPE TO VALVE (8130B)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 51	PIPE TO ELBOW	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 52	PIPE TO ELBOW	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(3)	2-2540B- 53	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 71	PIPE TO VALVE (LCV-115D)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 72	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 73	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 74	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 75	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 76	PIPE TO PIPE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 77	PIPE TO ELBOW	SI-C-01

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 78	PIPE TO ELBOW	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 97	PIPE TO PIPE (VW5)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 70	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 69	PIPE TO VALVE (8131B)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 68	PIPE TO VALVE (8131B)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 67	PIPE TO VALVE (8131A)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 66	PIPE TO VALVE (8131A)	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 65	PIPE TO TEE	SI-C-01
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 64	PIPE TO TEE	SI-C-01
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 43	PIPE TO TEE	SI-C-02A
CGE-2-2540B	CS	8"SE-CS-04(B)	2-2540B- 79	PIPE TO ELBOW	SI-C-02B
CGE-2-2540B	CS	8"SE-CS-05(B)	2-2540B- 80	PIPE TO ELBOW	SI-C-02B
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 63	PIPE TO ELBOW	SI-C-02C
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 62	PIPE TO ELBOW	SI-C-02C
CGE-2-2540B	CS	8"SE-CS-04(C)	2-2540B- 61	PIPE TO ELBOW	SI-C-02C
CGE-2-2540B	CS	8"SE-CS-05(C)	2-2540B- 60	PIPE TO ELBOW	SI-C-02C
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 12	PIPE TO REDUCER	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 11	PIPE TO VALVE (8471A)	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 10	PIPE TO VALVE (8471A)	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 9	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 8	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 7	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 6	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 5	PIPE TO FLANGE (STRAINER)	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 4	PIPE TO FLANGE (STRAINER)	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 3	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 2	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-05(A)	2-2540A- 1	PIPE TO FLANGE (CHARGING PUMP A SUCTION)	SI-C-03A
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 42	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 41	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 40	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 39	PIPE TO ELBOW	SI-C-03A
CGE-2-2540A	CS	8"SE-CS-05(A)	2-2540A- 38	PIPE TO REDUCER	SI-C-03A
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 25	PIPE TO REDUCER	SI-C-03B

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 24	PIPE TO VALVE (8471B)	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 23	PIPE TO VALVE (8471B)	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 22	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 21	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 20	PIPE TO PIPE	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 19	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 18	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 96	PIPE TO PIPE	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 17	PIPE TO FLANGE (STRAINER)	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 16	PIPE TO FLANGE (STRAINER)	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 15	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 14	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-04(B)	2-2540A- 13	PIPE TO FLANGE (CHARGING PUMP B SUCTION)	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 81	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 82	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 83	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 84	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 85	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 86	PIPE TO ELBOW	SI-C-03B
CGE-2-2540A	CS	8"SE-CS-05(B)	2-2540A- 87	PIPE TO REDUCER	SI-C-03B
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 37	PIPE TO REDUCER	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 36	PIPE TO VALVE (8471C)	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 35	PIPE TO VALVE (8471C)	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 34	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 33	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 32	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 31	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 30	PIPE TO FLANGE (STRAINER)	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 29	PIPE TO FLANGE (STRAINER)	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 28	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 27	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	6"SE-CS-05(C)	2-2540A- 26	PIPE TO FLANGE (CHARGING PUMP C SUCTION)	SI-C-03C
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 59	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 58	PIPE TO ELBOW	SI-C-03C

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 57	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 56	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 55	PIPE TO ELBOW	SI-C-03C
CGE-2-2540A	CS	8"SE-CS-05(C)	2-2540A- 54	ELBOW TO REDUCER	SI-C-03C
CGE-2-2522B	CS	8"SE-CS-04	2-2522B- 36	PIPE TO ELBOW	SI-C-04A
CGE-2-2522B	CS	8"SE-CS-04	2-2522B- 37	PIPE TO ELBOW	SI-C-04A
CGE-2-2522B	CS	8"SE-CS-04	2-2522B- 38	PIPE TO TEE	SI-C-04A
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 61	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 62	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 63	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 64	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 65	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 66	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 67	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 68	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 69	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 70	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 71	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 72	PIPE TO ELBOW	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 73	PIPE TO PIPE	SI-C-04B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 74	PIPE TO PIPE	SI-C-04B
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 65	PIPE TO PIPE	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 30	PIPE TO ELBOW	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 31	PIPE TO ELBOW	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 32	PIPE TO ELBOW	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 33	PIPE TO ELBOW	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 34	PIPE TO TEE	SI-C-05A
CGE-2-2522B	CS	8"SE-CS-04	2-2522B- 35	PIPE TO TEE	SI-C-05A
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 55	PIPE TO ELBOW	SI-C-05B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 56	PIPE TO ELBOW	SI-C-05B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 57	PIPE TO ELBOW	SI-C-05B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 58	PIPE TO ELBOW	SI-C-05B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C-134	PIPE TO PIPE	SI-C-05B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 59	PIPE TO ELBOW	SI-C-05B

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 60	PIPE TO ELBOW	SI-C-05B
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 20	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 21	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 22	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 23	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 64	PIPE TO PIPE	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 24	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 25	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 26	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 27	PIPE TO ELBOW	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 28	PIPE TO PIPE	SI-C-06A
CGE-2-2522B	CS	8"SE-CS-01	2-2522B- 29	PIPE TO PIPE	SI-C-06A
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 52	PIPE TO VALVE (8706B)	SI-C-06B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 53	PIPE TO ELBOW	SI-C-06B
CGE-2-2523C	CS	8"SE-CS-01	2-2523C- 54	PIPE TO ELBOW	SI-C-06B
CGE-2-3010	CS	2"CSA	2-3010-1BC	PSI; BRANCH CONNECTION - SOL	SI-C-07A
CGE-2-3010	CS	2"CSA	2-3010- 90	PIPE TO SOL	SI-C-07A
CGE-2-3010	CS	2"CSA	2-3010- 91	PIPE TO VALVE (8480A)	SI-C-07A
CGE-2-3010	CS	3"CSA	2-3010- 2	PIPE TO REDUCER (CHRG PUMP A)	SI-C-07A
CGE-2-3010	CS	3"CSA	2-3010- 3	PIPE TO ELBOW	SI-C-07A
CGE-2-3010	CS	3"CSA	2-3010- 4	PIPE TO ELBOW	SI-C-07A
CGE-2-3010	CS	3"CSA	2-3010- 5	PIPE TO VALVE (8481A)	SI-C-07A
CGE-2-3010	CS	4"CSA	2-3010- 1	FLANGE TO REDUCER (CHRG PUMP A)	SI-C-07A
CGE-2-3010	CS	2"CSB	2-3010-2BC	PSI;BRANCH CONNECTION - SOL	SI-C-07B
CGE-2-3010	CS	2"CSB	2-3010- 94	PIPE TO SOL	SI-C-07B
CGE-2-3010	CS	2"CSB	2-3010- 95	PIPE TO VALVE (8480B)	SI-C-07B
CGE-2-3010	CS	3"CSB	2-3010- 64	PIPE TO REDUCER (CHRG PUMP B)	SI-C-07B
CGE-2-3010	CS	3"CSB	2-3010- 63	PIPE TO ELBOW	SI-C-07B
CGE-2-3010	CS	3"CSB	2-3010- 62	PIPE TO ELBOW	SI-C-07B
CGE-2-3010	CS	3"CSB	2-3010- 61	PIPE TO VALVE (8481B)	SI-C-07B
CGE-2-3010	CS	4"CSB	2-3010- 65	REDUCER TO FLANGE (CHRG PUMP B)	SI-C-07B
CGE-2-3010	CS	2"CSC	2-3010-3BC	BRANCH CONNECTION - SOL	SI-C-07C
CGE-2-3010	CS	2"CSC	2-3010- 92	PIPE TO SOL	SI-C-07C
CGE-2-3010	CS	2"CSC	2-3010- 93	PIPE TO VALVE (8480C)	SI-C-07C

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3010	CS	3"CSC	2-3010- 88	PIPE TO REDUCER (CHRG PUMP C)	SI-C-07C
CGE-2-3010	CS	3"CSC	2-3010- 87	PIPE TO ELBOW	SI-C-07C
CGE-2-3010	CS	3"CSC	2-3010- 86	PIPE TO ELBOW	SI-C-07C
CGE-2-3010	CS	3"CSC	2-3010- 85	PIPE TO VALVE (8481C)	SI-C-07C
CGE-2-3010	CS	4"CSC(1)	2-3010- 89	REDUCER TO FLANGE (CHRG PUMP C)	SI-C-07C
CGE-2-3010	CS	3"CSA	2-3010- 6	PIPE TO VALVE (8481A)	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 7	PIPE TO ELBOW	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 8	PIPE TO ELBOW	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 9	PIPE TO ELBOW	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 10	PIPE TO ELBOW	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 11	PIPE TO ELBOW	SI-C-08A
CGE-2-3010	CS	3"CSA	2-3010- 12	ELBOW TO VALVE (8485A)	SI-C-08A
CGE-2-3010	CS	3"CSB	2-3010- 60	PIPE TO VALVE (8481B)	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 59	PIPE TO ELBOW	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 58	PIPE TO ELBOW	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 57	PIPE TO ELBOW	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 56	PIPE TO ELBOW	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 55	PIPE TO ELBOW	SI-C-08B
CGE-2-3010	CS	3"CSB	2-3010- 54	VALVE TO ELBOW (8485B)	SI-C-08B
CGE-2-3010	CS	3"CSC	2-3010- 84	PIPE TO VALVE (8481C)	SI-C-08C
CGE-2-3010	CS	3"CSC	2-3010- 83	PIPE TO ELBOW	SI-C-08C
CGE-2-3010	CS	3"CSC	2-3010- 82	PIPE TO ELBOW	SI-C-08C
CGE-2-3010	CS	3"CSC	2-3010- 81	PIPE TO ELBOW	SI-C-08C
CGE-2-3010	CS	3"CSC	2-3010- 80	PIPE TO ELBOW	SI-C-08C
CGE-2-3010	CS	3"CSC	2-3010- 79	PIPE TO VALVE (8485C)	SI-C-08C
CGE-2-3013	CS	3"CS-15	2-3013- 1	PIPE TO TEE	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 2	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 3	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 4	PIPE TO PIPE	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 5	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 6	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 7	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 8	PIPE TO ELBOW	SI-C-09A
CGE-2-3013	CS	3"CS-15	2-3013- 9	PIPE TO PIPE	SI-C-09A

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3010	CS	3"CSA	2-3010- 13	PIPE TO VALVE (8485A)	SI-C-09A
CGE-2-3010	CS	3"CSA	2-3010- 14	PIPE TO ELBOW	SI-C-09A
CGE-2-3010	CS	3"CSA	2-3010- 15	ELBOW TO TEE	SI-C-09A
CGE-2-3010	CS	3"CSA	2-3010- 16	ELBOW TO TEE	SI-C-09A
CGE-2-3010	CS	3"CSA	2-3010- 17	PIPE TO ELBOW	SI-C-09A
CGE-2-3010	CS	3"CSA	2-3010- 18	PIPE TO TEE	SI-C-09A
CGE-2-3010	CS	3"CSA(2)	2-3010- 19	PIPE TO TEE	SI-C-09A
CGE-2-3010	CS	3"CSA(2)	2-3010- 20	PIPE TO ELBOW	SI-C-09A
CGE-2-3010	CS	3"CSA(2)	2-3010- 21	PIPE TO ELBOW	SI-C-09A
CGE-2-3008	SI	3"SI(4)	2-3008- 1	PIPE TO TEE	SI-C-09A
CGE-2-3008	SI	3"SI(4)	2-3008- 2	PIPE TO ELBOW	SI-C-09A
CGE-2-3008	SI	3"SI(4)	2-3008- 3	PIPE TO ELBOW	SI-C-09A
CGE-2-3010	CS	3"CSB	2-3010- 53	PIPE TO VALVE (8485B)	SI-C-09B1
CGE-2-3010	CS	3"CSB	2-3010- 52	PIPE TO ELBOW	SI-C-09B1
CGE-2-3010	CS	3"CSB	2-3010- 51	PIPE TO ELBOW	SI-C-09B1
CGE-2-3010	CS	3"CSB	2-3010- 50	PIPE TO REDUCING ELBOW	SI-C-09B1
CGE-2-3010	CS	4"CSX	2-3010- 49	PIPE TO REDUCING ELBOW	SI-C-09B1
CGE-2-3010	CS	4"CSX	2-3010- 48	PIPE TO TEE	SI-C-09B1
CGE-2-3010	CS	4"CSX	2-3010- 47	PIPE TO TEE	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 7	PIPE TO REDUCER	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 8	PIPE TO TEE	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 9	PIPE TO TEE	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 10	PIPE TO ELBOW	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 11	PIPE TO ELBOW	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 12	PIPE TO ELBOW	SI-C-09B1
CGE-2-3009	SI	3"SI(09)	2-3009- 13	PIPE TO ELBOW	SI-C-09B1
CGE-2-3014	SI	3"SI-2501	2-3014- 1	PIPE TO TEE	SI-C-09B1
CGE-2-3014	SI	3"SI-2501	2-3014- 2	PIPE TO PIPE	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 1	PIPE TO TEE	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 2	PIPE TO ELBOW	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 3	PIPE TO ELBOW	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 4	PIPE TO FLANGE	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 5	PIPE TO FLANGE	SI-C-09B1
CGE-2-3009	SI	4"SI(09)	2-3009- 6	PIPE TO REDUCER	SI-C-09B1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3010	CS	4"CSX	2-3010- 46	PIPE TO ELBOW	SI-C-09B2
CGE-2-3010	CS	4"CSX	2-3010- 45	PIPE TO ELBOW	SI-C-09B2
CGE-2-3010	CS	4"CSX	2-3010- 44	PIPE TO ELBOW	SI-C-09B2
CGE-2-3010	CS	4"CSX	2-3010- 43	PIPE TO ELBOW	SI-C-09B2
CGE-2-3010	CS	3"CSC	2-3010- 78	PIPE TO VALVE (8485C)	SI-C-09C1
CGE-2-3010	CS	3"CSC	2-3010- 77	PIPE TO ELBOW	SI-C-09C1
CGE-2-3010	CS	3"CSC	2-3010- 76	PIPE TO ELBOW	SI-C-09C1
CGE-2-3010	CS	3"CSC	2-3010- 75	PIPE TO ELBOW	SI-C-09C1
CGE-2-3010	CS	3"CSC	2-3010- 74	PIPE TO ELBOW	SI-C-09C1
CGE-2-3010	CS	3"CSC	2-3010- 73	PIPE TO ELBOW	SI-C-09C2
CGE-2-3010	CS	3"CSC	2-3010- 72	PIPE TO ELBOW	SI-C-09C2
CGE-2-3010	CS	3"CSC	2-3010- 71	PIPE TO PIPE	SI-C-09C2
CGE-2-3010	CS	3"CSC	2-3010- 70	PIPE TO ELBOW	SI-C-09C2
CGE-2-3010	CS	3"CSC	2-3010- 69	PIPE TO ELBOW	SI-C-09C2
CGE-2-3013	CS	3"CS-15	2-3013- 10	PIPE TO PIPE	SI-C-10A1
CGE-2-3013	CS	3"CS-15	2-3013- 11	PIPE TO FLANGE	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 12	PIPE TO FLANGE	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 13	PIPE TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 14	ELBOW TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 15	PIPE TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 16	PIPE TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 17	PIPE TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 18	PIPE TO ELBOW	SI-C-10A2
CGE-2-3013	CS	3"CS-15	2-3013- 19	PIPE TO VALVE (XVG-8402B)	SI-C-10A2
CGE-2-3008	SI	3"SI(4)	2-3008- 4	PIPE TO ELBOW	SI-C-11A1
CGE-2-3008	SI	3"SI(4)	2-3008- 5	PIPE TO ELBOW	SI-C-11A1
CGE-2-3008	SI	3"SI(4)	2-3008- 6	PIPE TO REDUCING ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 11	PIPE TO REDUCER	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 12	PIPE TO ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 13	PIPE TO ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 14	PIPE TO PIPE	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 15	PIPE TO ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 16	PIPE TO ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 17	PIPE TO ELBOW	SI-C-11A2

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 18	PIPE TO ELBOW	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 19	PIPE TO PIPE	SI-C-11A2
CGE-2-3008	SI	4"SI(4)	2-3008- 7	PIPE TO REDUCING ELBOW	SI-C-11A2
CGE-2-3008	SI	4"SI(4)	2-3008- 8	PIPE TO FLANGE	SI-C-11A2
CGE-2-3008	SI	4"SI(4)	2-3008- 9	PIPE TO FLANGE	SI-C-11A2
CGE-2-3008	SI	4"SI(4)	2-3008- 10	PIPE TO REDUCER	SI-C-11A2
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 20	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 21	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 22	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 23	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(1)	2-3008- 24	PIPE TO TEE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 25	PIPE TO TEE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 26	PIPE TO PIPE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 27	PIPE TO PIPE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 28	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 29	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 30	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 31	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 32	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 33	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 34	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 35	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(2)	2-3008- 36	PIPE TO VALVE (8884)	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 37	PIPE TO TEE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 38	PIPE TO PIPE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 39	PIPE TO PIPE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 40	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 41	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 42	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 43	PIPE TO ELBOW	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 44	PIPE TO PIPE	SI-C-11A3
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 45	PIPE TO PIPE	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 46	PIPE TO PIPE	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 47	PIPE TO PIPE	SI-C-11A4

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 48	PIPE TO PIPE	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 49	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 50	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 51	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 52	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 53	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 54	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 55	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 56	PIPE TO ELBOW	SI-C-11A4
CGE-2-3008	SI	3"SI(4)(3)	2-3008- 57	PIPE TO VALVE (8885)	SI-C-11A4
CGE-2-3009	SI	3"SI(09)	2-3009- 14	PIPE TO ELBOW	SI-C-11B1
CGE-2-3009	SI	3"SI(09)	2-3009- 15	PIPE TO ELBOW	SI-C-11B1
CGE-2-3009	SI	3"SI(09)	2-3009- 16	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 17	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 18	PIPE TO PIPE	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 19	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 20	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 21	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 22	PIPE TO ELBOW	SI-C-11B2
CGE-2-3009	SI	3"SI(09)	2-3009- 23	PIPE TO PIPE	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 24	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 25	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 26	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 27	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 28	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 29	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 30	PIPE TO PIPE	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 31	PIPE TO PIPE	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 32	PIPE TO PIPE	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 33	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 34	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 35	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 36	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 37	PIPE TO ELBOW	SI-C-11B3

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3009	SI	3"SI(09)	2-3009- 38	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 39	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 40	PIPE TO ELBOW	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 41	PIPE TO PIPE	SI-C-11B3
CGE-2-3009	SI	3"SI(09)	2-3009- 42	PIPE TO PIPE	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 43	PIPE TO PIPE	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 44	PIPE TO ELBOW	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 45	PIPE TO ELBOW	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 46	PIPE TO ELBOW	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 47	PIPE TO ELBOW	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 48	PIPE TO ELBOW	SI-C-11B4
CGE-2-3009	SI	3"SI(09)	2-3009- 49	PIPE TO ELBOW	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 1	PIPE TO ELBOW	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 2	PIPE TO ELBOW	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 3	PIPE TO TEE	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 4	PIPE TO TEE	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 5	PIPE TO ELBOW	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 6	PIPE TO ELBOW	SI-C-11B4
CGE-2-3006	SI	3"SI(2)	2-3006- 7	PIPE TO VALVE (8801A)	SI-C-11B4
CGE-2-3006	SI	3"SI(2)-X	2-3006- 17	PIPE TO TEE	SI-C-11B4
CGE-2-3006	SI	3"SI(2)-X	2-3006- 18	PIPE TO VALVE (8801B)	SI-C-11B4
CGE-2-3014	SI	3"SI-2501	2-3014- 3	PIPE TO ELBOW	SI-C-12
CGE-2-3014	SI	3"SI-2501	2-3014- 4	PSI; PIPE TO ELBOW	SI-C-12
CGE-2-3014	SI	3"SI-2501	2-3014- 5	PIPE TO PIPE	SI-C-12
CGE-2-3014	SI	3"SI-2501	2-3014- 6	PIPE TO ELBOW	SI-C-12
CGE-2-3014	SI	3"SI-2501	2-3014- 7	PIPE TO ELBOW	SI-C-12
CGE-2-3014	SI	3"SI-2501	2-3014- 8	PIPE TO PIPE	SI-C-13
CGE-2-3014	SI	3"SI-2501	2-3014- 9	PIPE TO PIPE	SI-C-13
CGE-2-3014	SI	3"SI-2501	2-3014- 10	PSI; PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 11	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 12	PIPE TO PIPE	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 13	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 14	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 15	PIPE TO ELBOW	SI-C-14

V. C. Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3014	SI	3"SI-2501	2-3014- 16	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 17	PIPE TO PIPE	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 18	PSI; PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 19	PSI; PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 20	PSI; PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 21	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 22	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 23	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 24	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 25	PIPE TO ELBOW	SI-C-14
CGE-2-3014	SI	3"SI-2501	2-3014- 26	PSI; PIPE TO VALVE (8886)	SI-C-14
CGE-2-3010	CS	3"CSA(2)	2-3010- 22	PIPE TO ELBOW	SI-C-15
CGE-2-3010	CS	3"CSA(2)	2-3010- 23	PIPE TO ELBOW	SI-C-15
CGE-2-3010	CS	2"CS-13	2-3010-4BC	BRANCH CONNECTION - SOL	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 1	PSI; PIPE TO SOL	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 2	PSI; PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 3	PSI; PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 4	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 5	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 6	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 7	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 8	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 9	PIPE TO ELBOW	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 10	PIPE TO PIPE	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 24	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 25	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 26	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 27	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 28	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 29	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 30	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	3"CSA(2)	2-3010- 31	ELBOW TO REDUCER	SI-C-16
CGE-2-3010	CS	3"CSC	2-3010- 68	PIPE TO PIPE	SI-C-16
CGE-2-3010	CS	3"CSC	2-3010- 67	PIPE TO TEE	SI-C-16

V. C. Sumner Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3010	CS	4"CSB	2-3010- 66	TEE TO FLANGE	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 42	PIPE TO ELBOW	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 41	VALVE TO ELBOW (8133B)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 40	PIPE TO VALVE (8133B)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 39	PIPE TO VALVE (8133A)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 38	PIPE TO VALVE (8133A)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 37	PIPE TO TEE	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 36	TEE TO TEE	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 35	VALVE TO TEE (8132B)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 34	PIPE TO VALVE (8132B)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 33	PIPE TO VALVE (8132A)	SI-C-16
CGE-2-3010	CS	4"CSX	2-3010- 32	REDUCER TO VALVE (8132A)	SI-C-16
CGE-2-3012	CS	2"CS-13	2-3012- 11	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 12	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 13	PIPE TO PIPE	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 14	PIPE TO COUPLING	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 15	PIPE TO COUPLING	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 16	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 17	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 18	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 19	PIPE TO ELBOW	SI-C-17
CGE-2-3012	CS	2"CS-13	2-3012- 20	PIPE TO TEE	SI-C-18
CGE-2-3012	CS	2"CS-13	2-3012- 21	PIPE TO TEE	SI-C-18
CGE-2-3012	CS	2"CS-13	2-3012- 22	PIPE TO ELBOW	SI-C-18
CGE-2-3012	CS	2"CS-13	2-3012- 23	PIPE TO ELBOW	SI-C-18
CGE-2-3012	CS	2"CS-13	2-3012- 24	PIPE TO VALVE	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 25	PIPE TO TEE	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 26	PIPE TO ELBOW	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 27	PIPE TO ELBOW	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 28	PIPE TO COUPLING	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 29	PIPE TO COUPLING	SI-C-18
CGE-2-3012	CS	2"CS-13(1)	2-3012- 30	PIPE TO VALVE	SI-C-18
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 1	PIPE TO VALVE (XVC-8956A)	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 2	PIPE TO ELBOW	SIAC-A1

V.C. Summer Consequence Mapping to Welds

IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 3	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 4	PIPE TO PIPE (SW8)	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 5	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 6	BENT PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 7	PIPE TO BENT PIPE (SW1)	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 8	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 9	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 10	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 11	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 12	PIPE TO PIPE (FW7)	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 13	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 14	PIPE TO ELBOW	SIAC-A1
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 15	PIPE TO VALVE (XVC-8948A)	SIAC-A1
CGE-1-4100A	RC	12"SE-SI-13(BC)	1-4100A- 25BC	12" BRANCH CONNECTION TO 27.5" PIPE	SIAC-A2
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 16	PIPE TO VALVE (XVC-8948A)	SIAC-A2
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 17	PIPE TO ELBOW	SIAC-A2
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 18	PIPE TO ELBOW	SIAC-A2
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 19	PIPE TO ELBOW	SIAC-A2
CGE-1-4101A	SI	12"SE-SI-13	1-4101A- 20	ELBOW TO BRANCH NOZZLE	SIAC-A2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 1	PIPE TO VALVE (XVC-8956B)	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 2	PIPE TO ELBOW	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 3	PIPE TO ELBOW	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 4	BENT PIPE TO BENT PIPE	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 5	PIPE TO ELBOW,	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 6	PIPE TO ELBOW	SIAC-B1
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 7	PIPE TO VALVE (XVC-8948B)	SIAC-B1
CGE-1-4200A	RC	12"SE-SI-14(BC)	1-4200A- 21BC	12" BRANCH CONNECTION TO 27.5" PIPE	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 8	PIPE TO VALVE (XVC-8948B)	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 9	PIPE TO ELBOW	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 10	PIPE TO ELBOW	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 11	PIPE TO ELBOW	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 12	PIPE TO ELBOW	SIAC-B2
CGE-1-4201A	SI	12"SE-SI-14	1-4201A- 13	PIPE TO BRANCH,	SIAC-B2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 1	PIPE TO VALVE (XVC-8956C)	SIAC-C1

V.C. Sumner Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4301	SI	12"SE-SI-15	1-4301- 2	PIPE TO ELBOW	SIAC-C1
CGE-1-4301	SI	12"SE-SI-15	1-4301- 3	BENT PIPE TO ELBOW,SIH-0160 REMOVAL REQUIRED.	SIAC-C1
CGE-1-4301	SI	12"SE-SI-15	1-4301- 4	PIPE TO BENT PIPE (SW1),SIH-0430 REMOVAL REQUIRED.	SIAC-C1
CGE-1-4301	SI	12"SE-SI-15	1-4301- 5	PIPE TO PIPE (FW6)	SIAC-C1
CGE-1-4301	SI	12"SE-SI-15	1-4301- 7	PIPE TO BENT PIPE (FW2)	SIAC-C1
CGE-1-4301	SI	12"SE-SI-15	1-4301- 8	BENT PIPE TO VALVE (XVC-8948C)	SIAC-C1
CGE-1-4300A	RC	12"SE-SI-15(BC)	1-4300A- 23BC	12" BRANCH CONNECTION TO 27.5" PIPE	SIAC-C2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 9	PIPE TO VALVE (XVC-8948C),	SIAC-C2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 10	PIPE TO ELBOW	SIAC-C2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 11	PIPE TO ELBOW	SIAC-C2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 12	PIPE TO ELBOW	SIAC-C2
CGE-1-4301	SI	12"SE-SI-15	1-4301- 13	ELBOW TO BRANCH NOZZLE,	SIAC-C2
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 1	PIPE TO VALVE (XVC-8988A),	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 2	PIPE TO ELBOW,	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 3	PIPE TO ELBOW,	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 4	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 5	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 6	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 7	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 8	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 9	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 10	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 11	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 12	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 13	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 14	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 15	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 16	PIPE TO ELBOW	SIHL-A1
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 17	PIPE TO VALVE (XVC-8993A)	SIHL-A1
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 1	SOCKET WELD ON VALVE,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 2	SOCKET WELD ON ELBOW,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 3	SOCKET WELD ON ELBOW,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 4	SOCKET WELD ON ELBOW,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 5	SOCKET WELD ON ELBOW,	SIHL-A2

V.C. Summer Consequence Mapping to Welds					
Iso Num	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 6	SOCKET WELD ON 4 WAY,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 8	SOCKET WELD ON 4 WAY,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(2)	1-4113A- 9	SOCKET WELD ON VALVE,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(3)	1-4113A- 7	SOCKET WELD ON 4 WAY,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(3)	1-4113A- 10	SOCKET WELD ON 4 WAY,	SIHL-A2
CGE-1-4113A	SI	2"DE-SI-14(3)	1-4113A- 11	SOCKET WELD ON HALF COUPLING,	SIHL-A2
CGE-1-4113A	SI	2"SE-SI-19	1-4113A- 12BC	2" BRANCH CONNECTION (HALF COUPLING) TO 6" PIPE,	SIHL-A2
CGE-1-4100A	RC	6"SE-SI-19(BC)	1-4100A- 17BC	6" BRANCH CONNECTION TO 29" PIPE	SIHL-A3
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 18	PIPE TO VALVE (XVC-8993A),	SIHL-A3
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 19	PIPE TO ELBOW	SIHL-A3
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 20	PIPE TO ELBOW	SIHL-A3
CGE-1-4104A	SI	6"SE-SI-19	1-4104A- 21	PIPE TO BRANCH NOZZLE	SIHL-A3
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 1	PIPE TO XVC 8988B	SIHL-B1
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 4	PIPE TO ELBOW	SIHL-B1
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 5	PIPE TO ELBOW	SIHL-B1
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 6	PIPE TO ELBOW	SIHL-B1
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 7	PIPE TO ELBOW	SIHL-B1
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 8	PIPE TO XVC 8993B	SIHL-B1
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 1	SOCKET WELD/XVC-8990B,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 2	SOCKET WELD/TEE,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 4	SOCKET WELD/TEE,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 5	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 6	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 7	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 8	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 9	PIPE TO TEE,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 14	PIPE TO TEE,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15	1-4211A- 15	PIPE TO WOL,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15(1)	1-4211A- 3	SOCKET WELD/TEE,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15(2)	1-4211A- 10	SOCKET WELD/XVC-8992B,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15(2)	1-4211A- 11	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15(2)	1-4211A- 12	SOCKET WELD/ELBOW,	SIHL-B2
CGE-1-4211A	SI	2"DE-SI-15(2)	1-4211A- 13	PIPE TO TEE,	SIHL-B2
CGE-1-4211A	SI	2"SE-SI-20	1-4211A- 16BC	2" BRANCH CONNECTION TO 6" PIPE,	SIHL-B2

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4200A	RC	6"SE-SI-20(BC)	1-4200A- 17BC	6" BRANCH CONNECTION TO 29" PIPE	SIHL-B3
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 9	PIPE TO VALVE (XVC-8993B)	SIHL-B3
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 10	PIPE TO ELBOW	SIHL-B3
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 11	PIPE TO ELBOW	SIHL-B3
CGE-1-4203A	SI	6"SE-SI-20	1-4203A- 12	PIPE TO BRANCH	SIHL-B3
CGE-1-4304	SI	6"SE-SI-24	1-4304- 8	PIPE TO REDUCER	SIHL-C1
CGE-1-4304	SI	6"SE-SI-24	1-4304- 7	PIPE TO ELBOW	SIHL-C1
CGE-1-4304	SI	6"SE-SI-24	1-4304- 6	PIPE TO ELBOW	SIHL-C1
CGE-1-4304	SI	6"SE-SI-24	1-4304- 5	PIPE TO VALVE (XVC-8993C)	SIHL-C1
CGE-1-4311	SI	2"SE-SI-18	1-4311- 1	SOCKET WELD/XVC-8990C	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18	1-4311- 2	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18	1-4311- 5	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18	1-4311- 6	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18(1)	1-4311- 4	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18(1)	1-4311- 3	SOCKET WELD/XVC 8992C	SIHL-C2
CGE-1-4311	SI	2"SE-SI-18(2)	1-4311- 7	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 8	SOCKET WELD/TEE	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 9	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 10	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 11	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 12	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 13	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 14	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 15	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 16	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 17	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 18	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 19	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 20	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 21	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 22	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 23	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 24	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 25	SOCKET WELD/ELBOW	SIHL-C2

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4311	SI	2"SE-SI-24	1-4311- 26	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 27	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 28	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 29	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 30	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 31	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 32	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 33	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 34	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 35	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 36	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 37	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 38	SOCKET WELD/COUPLING	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 39	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 40	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 41	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 42	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 43	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 44	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 45	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 46	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 47	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 48	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 49	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 50	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 51	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 52	SOCKET WELD/ELBOW	SIHL-C2
CGE-1-4311	SI	2"SE-SI-24	1-4311- 53	PIPE TO REDUCER	SIHL-C2
CGE-1-4300A	RC	6"SE-SI-24(BC)	1-4300A- 17BC	6" BRANCH CONNECTION TO 29" PIPE	SIHL-C3
CGE-1-4304	SI	6"SE-SI-24	1-4304- 4	PIPE TO VALVE (XVC-8993C)	SIHL-C3
CGE-1-4304	SI	6"SE-SI-24	1-4304- 3	PIPE TO ELBOW	SIHL-C3
CGE-1-4304	SI	6"SE-SI-24	1-4304- 2	PIPE TO ELBOW	SIHL-C3
CGE-1-4304	SI	6"SE-SI-24	1-4304- 1	PIPE TO BRANCH NOZZLE	SIHL-C3
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 1	PIPE TO VALVE (XVC-8973A)	SIRH-A1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 2	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 3	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 4	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 5	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 6	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 7	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 8	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 9	PIPE TO ELBOW	SIRH-A1
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 10	PIPE TO VALVE (XVC-8998A)	SIRH-A1
CGE-1-4100A	RC	6"SE-SI-23(BC)	1-4100A- 24BC	6" BRANCH CONNECTION TO 27.5" PIPE	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 11	PIPE TO VALVE (XVC-8998A)	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 12	PIPE TO ELBOW	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 13	PIPE TO ELBOW	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 14	PIPE TO ELBOW	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 15	PIPE TO ELBOW	SIRH-A2
CGE-1-4103A	SI	6"SE-SI-23	1-4103A- 16	PIPE TO BRANCH NOZZLE,	SIRH-A2
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 1	SOCKET WELD ON VALVE (8995A)	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 2	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 3	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 4	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 5	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 6	SOCKET WELD ON TEE,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 7	SOCKET WELD ON TEE,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 8	SOCKET WELD ON TEE,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 9	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 10	SOCKET WELD ON ELBOW,	SIRH-ASI1
CGE-1-4112A	SI	2"DE-SI-14(1)	1-4112A- 11	SOCKET WELD ON HALF COUPLING,	SIRH-ASI1
CGE-1-4112A	SI	2"SE-SI-23(2)	1-4112A- 12BC	2" BRANCH CONNECTION (HALF COUPLING) TO 6" PIPE,	SIRH-ASI1
CGE-1-4111A	SI	2"SE-SI-23(1)	1-4111A- 40BC	2" BRANCH CONNECTION (COUPLING) TO 6" PIPE,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 1	SOCKET WELD ON VALVE XVC-8997A	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 2	SOCKET WELD ON TEE,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 4	SOCKET WELD ON TEE,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 5	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 6	SOCKET WELD ON ELBOW,	SIRH-ASI2

VEGP Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 7	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 8	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 9	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 10	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 11	SOCKET WELD ON COUPLING,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 12	SOCKET WELD ON COUPLING,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 13	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 14	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 15	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 16	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 17	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 18	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 19	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 20	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 21	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 22	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 23	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 24	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 25	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 26	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 27	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 28	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 29	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 30	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 31	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 32	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 33	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 34	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 35	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 36	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 37	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 38	SOCKET WELD ON ELBOW,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27	1-4111A- 39	SOCKET WELD ON COUPLING,	SIRH-ASI2
CGE-1-4111A	SI	2"SE-SI-27(1)	1-4111A- 3	SOCKET WELD ON TEE,	SIRH-ASI2

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 1	PIPE TO XVC 8973B	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 2	PIPE TO ELBOW,	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 3	PIPE TO ELBOW,	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 4	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 5	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 6	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 7	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 8	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 9	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 10	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 11	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 12	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 13	PIPE TO ELBOW	SIRH-B1
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 14	PIPE TO XVC 8998B	SIRH-B1
CGE-1-4200A	RC	6"SE-SI-22(BC)	1-4200A- 23BC	6" BRANCH CONNECTION TO 27.5" PIPE	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 15	PIPE TO VALVE (XVC-8998B),	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 16	PIPE TO ELBOW	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 17	PIPE TO ELBOW	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 18	PIPE TO ELBOW	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 19	PIPE TO ELBOW	SIRH-B2
CGE-1-4202A	SI	6"SE-SI-22	1-4202A- 20	PIPE TO BRANCH,	SIRH-B2
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 1	SOCKET WELD/XVC-8995B,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 2	SOCKET WELD/ELBOW,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 3	SOCKET WELD/ELBOW,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 4	SOCKET WELD/ELBOW,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 5	SOCKET WELD/ELBOW,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 6	SOCKET WELD/TEE,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 7	SOCKET WELD/TEE,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 8	SOCKET WELD/TEE,	SIRH-BSI1
CGE-1-4210A	SI	2"DE-SI-47	1-4210A- 9	SOCKET WELD TO 1/2 COUPLING,	SIRH-BSI1
CGE-1-4210A	SI	2"SE-SI-22	1-4210A- 10BC	2" BRANCH CONNECTION (HALF COUPLING) TO 6" PIPE,	SIRH-BSI1
CGE-1-4209B	SI	2"DE-SI-25	1-4209B- 1	SOCKET WELD/XVC-8997B,	SIRH-BSI2
CGE-1-4209B	SI	2"DE-SI-25	1-4209B- 2	SOCKET WELD/TEE,	SIRH-BSI2
CGE-1-4209B	SI	2"DE-SI-25/2"SE-SI-33	1-4209B- 3	SOCKET WELD/TEE,	SIRH-BSI2

V.C.Summer Consequence Mapping to Welds					
IsoNum	SysID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4209A	SI	2"SE-SI-22	1-4209A- 24BC	2" BRANCH CONNECTION (HALF COUPLING) TO 6" PIPE,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 4	SOCKET WELD/TEE,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 5	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 6	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 7	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 8	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 9	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 10	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 11	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209B	SI	2"SE-SI-33	1-4209B- 12	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 13	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 14	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 15	SOCKET WELD/COUPLING,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 16	SOCKET WELD/COUPLING,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 17	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 18	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 19	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 20	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 21	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 22	SOCKET WELD/ELBOW,	SIRH-BSI2
CGE-1-4209A	SI	2"SE-SI-33	1-4209A- 23	SOCKET WELD/BRANCH,	SIRH-BSI2
CGE-1-4303	SI	6"SE-SI-21	1-4303- 1	PIPE TO VALVE (XVC-8973C)	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 2	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 3	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 4	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 5	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 6	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 7	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 8	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 9	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 10	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 11	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 12	PIPE TO ELBOW	SIRH-C1
CGE-1-4303	SI	6"SE-SI-21	1-4303- 13	PIPE TO ELBOW	SIRH-C1

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4303	SI	6"SE-SI-21	1-4303- 14	PIPE TO VALVE (XVC-8998C)	SIRH-C1
CGE-1-4300A	RC	6"SE-SI-21(BC)	1-4300A- 24BC	6" BRANCH CONNECTION TO 27.5" PIPE	SIRH-C2
CGE-1-4303	SI	6"SE-SI-21	1-4303- 15	PIPE TO VALVE (XVC-8998C)	SIRH-C2
CGE-1-4303	SI	6"SE-SI-21	1-4303- 16	PIPE TO ELBOW	SIRH-C2
CGE-1-4303	SI	6"SE-SI-21	1-4303- 17	PIPE TO ELBOW	SIRH-C2
CGE-1-4303	SI	6"SE-SI-21	1-4303- 18	PIPE TO BRANCH NOZZLE	SIRH-C2
CGE-1-4310	SI	2"DE-SI-17	1-4310- 1	SOCKET WELD/XVC-8995C	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17	1-4310- 2	SOCKET WELD/TEE	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17	1-4310- 4	SOCKET WELD/TEE	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17	1-4310- 5	SOCKET WELD/ELBOW	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17	1-4310- 6	SOCKET WELD/ELBOW	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17	1-4310- 7	SOCKET WELD/BRANCH CONNECTION	SIRH-CSI1
CGE-1-4310	SI	2"DE-SI-17(1)	1-4310- 3	SOCKET WELD/TEE	SIRH-CSI1
CGE-1-4310	SI	2"SE-SI-21	1-4310- 8BC	2" BRANCH CONNECTION (HALF COUPLING) TO 6" PIPE	SIRH-CSI1
CGE-1-4309	SI	2"SE-SI-21	1-4309- 26BC	2" BRANCH CONNECTION (SOCKOLET) TO 6" PIPE	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 1	SOCKET WELD TO VALVE (XVC-8997C)	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 2	SOCKET WELD TO TEE	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 4	SOCKET WELD TO TEE	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 5	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 6	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 7	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 8	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 9	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 10	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 11	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 12	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 13	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 14	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 15	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 16	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 17	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 18	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 19	SOCKET WELD TO COUPLING	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 20	SOCKET WELD TO COUPLING	SIRH-CSI2

V.C.Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-1-4309	SI	2"SE-SI-30	1-4309- 21	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 22	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 23	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 24	SOCKET WELD TO ELBOW	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30	1-4309- 25	SOCKET WELD TO HALF COUPLING	SIRH-CSI2
CGE-1-4309	SI	2"SE-SI-30(1)	1-4309- 3	SOCKET WELD TO TEE	SIRH-CSI2
CGE-2-3003	SP	12"SP-151(1)	2-3003- 23	PIPE TO VALVE (3001A)	SP-C-01A
CGE-2-3003	SP	12"SP-151(1)	2-3003- 24	PIPE TO VALVE (3006A)	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 15	PIPE TO VALVE (XVC-3006A)	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 16	PIPE TO TEE	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 17	PIPE TO ELBOW	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 18	PIPE TO ELBOW	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 19	PIPE TO VALVE (XVG-3005A)	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 14	PIPE TO TEE	SP-C-01A
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 20	PIPE TO VALVE (XVG-3005A)	SP-C-01A2
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 21	PIPE TO ELBOW	SP-C-01A2
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 22	PIPE TO ELBOW	SP-C-01A2
CGE-2-3000	SP	12"SP-151R(A1)	2-3000- 23	PIPE TO VALVE (XVG-3004A)	SP-C-01A2
CGE-2-3003	SP	12"SP-151(2)	2-3003- 34	PIPE TO VALVE (3001B)	SP-C-01B
CGE-2-3003	SP	12"SP-151(2)	2-3003- 35	PIPE TO VALVE (3006B)	SP-C-01B
CGE-2-3001	SP	12"SP-151R(A1)	2-3001-1BC	BRANCH CONNECTION - LOL	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 26	PIPE TO VALVE (XVG-3005B)	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 25	PIPE TO PIPE	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 24	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 23	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 37	PIPE TO PIPE	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 22	PIPE TO LOL	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 21	PIPE TO VALVE (XVG-3006B)	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 20	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 19	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 18	PIPE TO PIPE	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 17	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 16	PIPE TO ELBOW	SP-C-01B
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 30	PIPE TO VALVE (XVG-3004B)	SP-C-01B2

V.C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 29	PIPE TO ELBOW	SP-C-01B2
CGE-2-3001	SP	12"SP-151R(B1)	2-3001- 27	ELBOW TO VALVE (XVG-3005B)	SP-C-01B2
CGE-2-3000	SP	10"SP(SumpA)	2-3000- 2	ELBOW TO REDUCER	SP-C-02A
CGE-2-3000	SP	10"SP(SumpA)	2-3000- 1	FLANGE TO ELBOW (SPRAY PUMP A SUCTION)	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 13	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 12	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 11	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 10	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 9	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 8	PIPE TO ELBOW	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 7	PIPE TO VALVE (XVG-3007A)	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 6	PIPE TO VALVE (XVG-3007A)	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 5	PIPE TO FLANGE	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 4	PIPE TO FLANGE	SP-C-02A
CGE-2-3000	SP	12"SP-151R(A2)	2-3000- 3	PIPE TO REDUCER	SP-C-02A
CGE-2-3001	SP	10"SP(SumpB)	2-3001- 2	ELBOW TO REDUCER	SP-C-02B
CGE-2-3001	SP	10"SP(SumpB)	2-3001- 1	ELBOW TO FLANGE (SPRAY PUMP B SUCTION)	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 15	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 14	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 13	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 12	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 11	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 10	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 9	PIPE TO VALVE (XVG-3007B)	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 8	ELBOW TO VALVE (XVG-3007B)	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 7	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 6	PIPE TO ELBOW	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 5	PIPE TO FLANGE	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 4	PIPE TO FLANGE	SP-C-02B
CGE-2-3001	SP	12"SP-151R(B2)	2-3001- 3	PIPE TO REDUCER	SP-C-02B
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 54	PIPE TO VALVE (3008A)	SP-C-03A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 53	PIPE TO TEE	SP-C-03A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 52	PIPE TO TEE	SP-C-03A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 72	PIPE TO PIPE	SP-C-03A

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 4	PIPE TO REDUCER	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 5	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 6	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 7	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 8	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 9	PIPE TO FLANGE (ORIFICE)	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 10	PIPE TO FLANGE (ORIFICE)	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 11	PIPE TO PIPE	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 12	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(A)	2-2553- 13	ELBOW TO VALVE (3008A)	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 26	PIPE TO TEE	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 27	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 28	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 29	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 30	PIPE,TO ELBOW	SP-C-03A
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 31	PIPE TO VALVE (3010A)	SP-C-03A
CGE-2-2553	SP	8"SE-SP(A)	2-2553- 1	PIPE TO NOZZLE (SPRAY PUMP A DISCHARGE)	SP-C-03A
CGE-2-2553	SP	8"SE-SP(A)	2-2553- 2	PIPE TO ELBOW	SP-C-03A
CGE-2-2553	SP	8"SE-SP(A)	2-2553- 3	ELBOW TO REDUCER	SP-C-03A
CGE-2-2552	SP	10"SE-SP-16	2-2552- 54	PIPE TO VALVE (3008B)	SP-C-03B
CGE-2-2552	SP	10"SE-SP-16	2-2552- 53	PIPE TO TEE	SP-C-03B
CGE-2-2552	SP	10"SE-SP-16	2-2552- 52	PIPE TO TEE	SP-C-03B
CGE-2-2552	SP	10"SE-SP-16	2-2552- 75	PIPE TO PIPE	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 15	PIPE TO REDUCER (SPRAY PUMP B DISCHARGE)	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 16	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 17	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 18	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 19	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 20	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 21	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 22	PIPE TO FLANGE (ORIFICE)	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 23	PIPE TO FLANGE (ORIFICE)	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 24	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B)	2-2553- 25	PIPE TO VALVE (3008B)	SP-C-03B

V. C. Summer Consequence Mapping to Welds					
IsoNum	SYS ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 53	PIPE TO TEE	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 52	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 51	ELBOW TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 50	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 49	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 48	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 47	PIPE TO ELBOW	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 46	ELBOW TO VALVE (3010B)	SP-C-03B
CGE-2-2553	SP	8"SE-SP-(B)	2-2553- 14	REDUCER TO NOZZLE (SPRAY PUMP B DISCHARGE)	SP-C-03B
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 32	ELBOW TO VALVE (3010A)	SP-C-03X1
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 33	PIPE TO ELBOW	SP-C-03X1
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 34	PIPE TO ELBOW	SP-C-03X1
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 35	PIPE TO ELBOW	SP-C-03X1
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 36	PIPE TO PIPE	SP-C-03X1
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 45	PIPE TO VALVE (3010B)	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 44	PIPE TO TEE	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 43	ELBOW TO TEE	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 42	PIPE TO ELBOW	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(B1)	2-2553- 41	PIPE TO VALVE (3011)	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 37	PIPE TO PIPE	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 38	PIPE TO ELBOW	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 39	PIPE TO ELBOW	SP-C-03X2
CGE-2-2553	SP	10"SE-SP-16(X)	2-2553- 40	PIPE TO TEE	SP-C-03X2
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 51	PIPE TO ELBOW	SP-C-04A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 50	PIPE TO ELBOW	SP-C-04A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 49	PIPE TO ELBOW	SP-C-04A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 48	PIPE TO ELBOW	SP-C-04A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 47	PIPE TO PIPE	SP-C-04A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 46	PIPE TO PIPE	SP-C-04A
CGE-2-2552	SP	10"SE-SP-01	2-2552- 50	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 49	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 48	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 47	PIPE TO PIPE	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 46	PIPE TO ELBOW	SP-C-04B

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2552	SP	10"SE-SP-01	2-2552- 45	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 44	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 43	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 42	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 41	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 40	PIPE TO PIPE	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 39	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 38	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 37	PIPE TO PIPE	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 36	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 35	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 34	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 33	PIPE TO ELBOW	SP-C-04B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 32	PIPE TO PIPE	SP-C-04B
CGE-2-2552	SP	10"SE-SP-16	2-2552- 51	PIPE TO ELBOW	SP-C-04B
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 45	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 44	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 43	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 42	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 41	PIPE TO PIPE	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 40	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 39	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 38	PIPE TO PIPE	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 37	PIPE TO ELBOW	SP-C-05A
CGE-2-2551A	SP	10"SE-SP-16	2-2551A- 36	PIPE TO ELBOW	SP-C-05A
CGE-2-2552	SP	10"SE-SP-01	2-2552- 31	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 30	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 29	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 28	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 27	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 26	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 25	PIPE TO PIPE	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 24	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 23	PIPE TO ELBOW	SP-C-05B

V. C. Summer Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2552	SP	10"SE-SP-01	2-2552- 22	PIPE TO ELBOW	SP-C-05B
CGE-2-2552	SP	10"SE-SP-01	2-2552- 21	PIPE TO ELBOW	SP-C-05B
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 35	PIPE TO PIPE	SP-C-06A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 34	PIPE TO ELBOW	SP-C-06A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 33	PIPE TO ELBOW	SP-C-06A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 32	PIPE TO PIPE	SP-C-06A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 31	PIPE TO PIPE	SP-C-06A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 30	PIPE TO PIPE	SP-C-06A
CGE-2-2552	SP	10"SE-SP-01	2-2552- 19	PIPE TO PIPE	SP-C-06B
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 29	PIPE TO ELBOW	SP-C-07A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 28	PIPE TO ELBOW	SP-C-07A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 27	PIPE TO ELBOW	SP-C-07A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 73	PIPE TO PIPE	SP-C-07A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 26	PIPE TO ELBOW	SP-C-07A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 25	PIPE TO ELBOW	SP-C-08A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 24	PIPE TO ELBOW	SP-C-08A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 23	PIPE TO ELBOW	SP-C-08A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 22	PIPE TO ELBOW	SP-C-08A
CGE-2-2551B	SP	10"SE-SP-16	2-2551B- 21	PIPE TO TEE	SP-C-09A
CGE-2-2551B	SP	10"SE-SP-16(2)	2-2551B- 20	TEE TO REDUCER	SP-C-09A
CGE-2-2551B	SP	10"SE-SP-16(2)	2-2551B- 19	PIPE TO TEE	SP-C-09A
CGE-2-2551B	SP	10"SE-SP-16(2)	2-2551B- 18	PIPE TO VALVE (3003A)	SP-C-09A
CGE-2-2552	SP	10"SE-SP-01	2-2552- 18	PIPE TO TEE	SP-C-09B
CGE-2-2552	SP	10"SE-SP-01(2)	2-2552- 17	TEE TO REDUCER	SP-C-09B
CGE-2-2552	SP	10"SE-SP-01(2)	2-2552- 16	PIPE TO TEE	SP-C-09B
CGE-2-2552	SP	10"SE-SP-01(2)	2-2552- 15	PIPE TO VALVE (3003B)	SP-C-09B
CGE-2-2556A	SW	12"SW(A)	2-2556A- 29	PIPE TO VALVE (3110A)	SW-C-01A
CGE-2-2556A	SW	12"SW(A)	2-2556A- 28	PIPE TO TEE	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 1	PIPE TO VALVE (3106A)	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 2	PIPE TO TEE	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 3	PIPE TO TEE	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 4	PIPE TO ELBOW	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 5	PIPE TO ELBOW	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 6	PIPE TO ELBOW	SW-C-01A

V.C. Sumner Consequence Mapping to Welds					
IsoNum	Sys ID	Line Number	Weld Number	Weld Description	Consequence ID
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 7	PIPE TO ELBOW	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 31	PIPE TO PIPE	SW-C-01A
CGE-2-2556A	SW	16"SE-SW-24	2-2556A- 8	PIPE TO PENETRATION XRP-304	SW-C-01A
CGE-2-2557A	SW	12"SW(B)	2-2557A- 37	PIPE TO VALVE (3110B)	SW-C-01B
CGE-2-2557A	SW	12"SW(B)	2-2557A- 36	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	12"SW(B)	2-2557A- 35	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	12"SW(B)	2-2557A- 34	PIPE TO TEE	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 1	PIPE TO VALVE (3106B)	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 2	PIPE TO TEE	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 3	PIPE TO TEE	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 4	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 5	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 6	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 7	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 8	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 9	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 10	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 11	PIPE TO ELBOW	SW-C-01B
CGE-2-2557A	SW	16"SE-SW-22	2-2557A- 12	PIPE TO PENETRATION XRP-403	SW-C-01B
CGE-2-2556A	SW	16"SE-SW-23	2-2556A- 11	PIPE TO PENETRATION XRP-304	SW-C-02A
CGE-2-2556A	SW	16"SE-SW-23	2-2556A- 12	PIPE TO ELBOW	SW-C-02A
CGE-2-2556A	SW	16"SE-SW-23	2-2556A- 13	PIPE TO ELBOW	SW-C-02A
CGE-2-2556A	SW	16"SE-SW-23	2-2556A- 14	PIPE TO VALVE (3137A)	SW-C-02A
CGE-2-2557A	SW	16"SE-SW-25	2-2557A- 15	PIPE TO PENETRATION XRP-403	SW-C-02B
CGE-2-2557A	SW	16"SE-SW-25	2-2557A- 16	PIPE TO ELBOW	SW-C-02B
CGE-2-2557A	SW	16"SE-SW-25	2-2557A- 17	PIPE TO ELBOW	SW-C-02B
CGE-2-2557A	SW	16"SE-SW-25	2-2557A- 18	PIPE TO VALVE (3137B)	SW-C-02B

Appendix D: V.C Summer Detailed Consequence Evaluations

Consequences

1. **Consequence Segment ID:** CVCS01
2. **Segment Functional ID:** CSN-ISO
3. **Segment Description:** CVCS Normal: 1-8346 to 1-8379
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** PMLO(CV)
8. **Isolation:** CV: 1-8379
9. **Time to Isolate:** N/A
10. **Initiating Event:** PMLO(CV)
11. **Exposure Time:** All Year: Potential MLO if check valve leaks
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO(CV), if isolation fails
19. **CCDP Estimate:** Potential MLO isolated by a normally closed check valve: 3.6E-3 * 4 4E-3 = 1.6E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: CVCS02
2. Segment Functional ID: CSN-CLA
3. Segment Description: CVCS Normal: 1-8379 to CLA
4. Configuration: Operating
5. Analyzed Break Size (Inches): 3
6. Spatial Effects: Containment
7. Consequence Key: MLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: MLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: MLO
19. CCDP Estimate: 3.6E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** CVCS03
2. **Segment Functional ID:** CSN-ISO
3. **Segment Description:** CVCS Alt: 1-8347 to 1-8378
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** PMLO(CV)
8. **Isolation:** CV:1-8378
9. **Time to Isolate:** N/A
10. **Initiating Event:** PMLO(CV)
11. **Exposure Time:** All Year: Potential MLO if check valve leaks
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO(CV), if isolation fails
19. **CCDP Estimate:** Potential MLO isolated by a normally closed check valve: 3 6E-3 * 4.4E-3 = 1.6E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: CVCS04
2. Segment Functional ID: CSN-CLA
3. Segment Description: CVCS Alt· 1-8378 to CLB
4. Configuration: Operating
5. Analyzed Break Size (Inches): 3
6. Spatial Effects: Containment
7. Consequence Key: MLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: MLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: MLO
19. CCDP Estimate: 3.6E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** CVCS05
2. **Segment Functional ID:** PZR AUX SPR -ISO
3. **Segment Description:** CVCS Aux Spray: 1-8145 to 1-8377
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** PSLOC(CV)
8. **Isolation:** CV: 1-8377
9. **Time to Isolate:** N/A
10. **Initiating Event:** PSLOC(CV)
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC, if isolation fails
19. **CCDP Estimate:** Potential SLOC isolated by a normally closed check valve: 3.42E-3 * 4.4E-3 = 1.5E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: CVCS06
2. Segment Functional ID: PZR AUX SPR
3. Segment Description: CVCS Aux Spray: 1-8377 to HDR Tee
4. Configuration: Operating
5. Analyzed Break Size (Inches): 2
6. Spatial Effects: Containment
7. Consequence Key: SLOC
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: SLOC
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA effects
13. Disabled Trains (Indirect Effects): LOCA effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLOC
19. CCDP Estimate: 3.4E-3
20. CLERP Estimate: 3.4E-5
21. Rank: HIGH

1. **Consequence Segment ID:** FW-C-01A
2. **Segment Functional ID:** FWA-PAA3601(1)
3. **Segment Description:** FW Line A, Between CV 1684A-FW and 1611A-FW
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 18
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NC.1611A-FW
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: FW-C-01B
2. Segment Functional ID: FWB-PAA3601(1)
3. Segment Description: FW Line B, Between CV 1684B-FW and 1611B-FW
4. Configuration: Operating
5. Analyzed Break Size (Inches): 18
6. Spatial Effects: PAI-36-01
7. Consequence Key: SSBO
8. Isolation: NC.1611B-FW
9. Time to Isolate: N/A
10. Initiating Event: SLB/FB outside Cont
11. Exposure Time: N/A
12. Disabled Trains (Direct Effects): Loss of broken line
13. Disabled Trains (Indirect Effects): N/A
14. Disabled Trains (ISO Success): NA
15. Available Trains (ISO Failure): Other unaffected SHR Systems
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLB/FB outside Containment
19. CCDP Estimate: 9 8E-5
20. CLERP Estimate: 7.4E-7
21. Rank: MEDIUM

1. **Consequence Segment ID:** FW-C-01C
2. **Segment Functional ID:** FWC-PAA3601(1)
3. **Segment Description:** FW Line C, Between CV 1684C-FW and 1611C-FW
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 18
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NC.1611C-FW
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: FW-C-02A
2. Segment Functional ID: FWA-PAA3601(2)
3. Segment Description: FW Line A, Between Valve 1611A-FW and Pen 306
4. Configuration: Operating
5. Analyzed Break Size (Inches): 18
6. Spatial Effects: PAA-36-01
7. Consequence Key: SSBO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: SLB/FB outside Cont
11. Exposure Time: N/A
12. Disabled Trains (Direct Effects): Loss of broken line
13. Disabled Trains (Indirect Effects): N/A
14. Disabled Trains (ISO Success): NA
15. Available Trains (ISO Failure): Other unaffected SHR Systems
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLB/FB outside Containment
19. CCDP Estimate: 9.8E-5
20. CLERP Estimate: 7.4E-7
21. Rank: MEDIUM

1. **Consequence Segment ID:** FW-C-02B
2. **Segment Functional ID:** FWB-PAA3601(2)
3. **Segment Description:** FW Line B, Between Valve 1611B-FW and Pen 206
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 18
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: FW-C-02C
2. Segment Functional ID: FWC-PAA3601(2)
3. Segment Description: FW Line C, Between Valve 1611C-FW and Pen 203
4. Configuration: Operating
5. Analyzed Break Size (Inches): 18
6. Spatial Effects: PAI-36-01
7. Consequence Key: SSBO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: SLB/FB outside Cont
11. Exposure Time: N/A
12. Disabled Trains (Direct Effects): Loss of broken line
13. Disabled Trains (Indirect Effects): N/A
14. Disabled Trains (ISO Success): NA
15. Available Trains (ISO Failure): Other unaffected SHR Systems
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLB/FB outside Containment
19. CCDP Estimate: 9.8E-5
20. CLERP Estimate: 7.4E-7
21. Rank: MEDIUM

1. **Consequence Segment ID:** FW-C-03A
2. **Segment Functional ID:** FWA-CONT
3. **Segment Description:** FW Line A, Between Pen 306 and SG XSG-2A-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 16, 18
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** FW-C-03B
2. **Segment Functional ID:** FWB-CONT
3. **Segment Description:** FW Line B, Between Pen 206 and SG XSG-2B-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 16, 18
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** FW-C-03C
2. **Segment Functional ID:** FWC-CONT
3. **Segment Description:** FW Line C, Between Pen 203 and SG XSG-2C-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 16, 18
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** FW-C-04A
2. **Segment Functional ID:** FWA-AFW
3. **Segment Description:** EFW Line A, Between 4x6 reducer and XSG-2A-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** FW-C-04B
2. **Segment Functional ID:** FWB-AFW
3. **Segment Description:** EFW Line B, Between 4x6 reducer and XSG-2B-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9 8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** FW-C-04C
2. **Segment Functional ID:** FWC-AFW
3. **Segment Description:** EFW Line C, Between 4x6 reducer and XSG-2C-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: IL-C-01

2. Segment Functional ID: SIB-CLs-FH1201

3. Segment Description: Safey Injection Line, Between MOVs 1-8801A and 1-8801B and Containment Penetration 426

4. Configuration: Demand

5. Analyzed Break Size (Inches): 3

6. Spatial Effects: FH-12-01

7. Consequence Key: SI

8. Isolation: NC. MOVs 1-8801A and 1-8801B

9. Time to Isolate: Isolation was not credited. It was assumed that isolation is not likely, given that the isolation valves could be impacted due to spray

10. Initiating Event: Assumed LOCA

11. Exposure Time: All Year

12. Disabled Trains (Direct Effects): SIA, SIB, SIC

13. Disabled Trains (Indirect Effects): Possible Loss of RHR Pumps

14. Disabled Trains (ISO Success): SIA, SIB, SIC

15. Available Trains (ISO Failure): None

16. Available Trains (ISO Success): Alternate SI Injection to Cold Leg

17. Containment Isolation: Not Affected

18. LERF Effects: LOCA

19. CCDP Estimate: CCDP. Loss of SI System
Not tested: 1.4E-3

20. CLERP Estimate: 1.7E-4

21. Rank: HIGH

1. **Consequence Segment ID:** IL-C-02

2. **Segment Functional ID:** SIB-CLs-CONT

3. **Segment Description:** Safety Injection Lines to Cold Legs, Between Containment Penetration 426 and MVs 1-8996A, 1-8996B, and 1-8996C

4. **Configuration:** Demand

5. **Analyzed Break Size (Inches):** 2, 3

6. **Spatial Effects:** Containment

7. **Consequence Key:** SI*

8. **Isolation:** NC: MOVs 1-8801A and 1-8801B

9. **Time to Isolate:** Isolation was not credited. It was assumed that isolation is not likely, given that the failure is assumed to occur on a LOCA demand

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** All Year

12. **Disabled Trains (Direct Effects):** SIA, SIB, SIC

13. **Disabled Trains (Indirect Effects):** Possible Loss of RHR Pumps

14. **Disabled Trains (ISO Success):** SIA, SIB, SIC

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** Alternate SI Injection to Cold Leg

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** LOCA

19. **CCDP Estimate:** CCDP: Loss of SI System
Not tested· 1.4E-3

20. **CLERP Estimate:** 1.7E-4

21. **Rank:** HIGH

1. **Consequence Segment ID:** IL-C-02A
2. **Segment Functional ID:** SIB-CLA
3. **Segment Description:** SI to CLA, Between MV 1-8996A and CV 1-8997A
4. **Configuration:** Demand
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SI/CLA
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** Assumed LOCA
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** SI/CLA
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** SI/CLB, SI/CLC
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** Standard LOCA effects
19. **CCDP Estimate:** Loss of SI/CLA· 1.3E-6
20. **CLERP Estimate:** 1E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** IL-C-02B
2. **Segment Functional ID:** SIB-CLB
3. **Segment Description:** SI to CLB, Between MV 1-8996B and CV 1-8997B
4. **Configuration:** Demand
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SI/CLB
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** Assumed LOCA
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** SI/CLB
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** SI/CLA, SI/CLC
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** Standard LOCA effects
19. **CCDP Estimate:** Loss of SI/CLB: 1.3E-6
20. **CLERP Estimate:** 1E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** IL-C-02C
2. **Segment Functional ID:** SIB-CLC
3. **Segment Description:** SI to CLC, Between MV 1-8996C and CV 1-8997C
4. **Configuration:** Demand
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SI/CLC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** Assumed LOCA
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** SI/CLC
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** SI/CLA, SI/CLB
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** Standard LOCA effects
19. **CCDP Estimate:** Loss of SI/CLC: 1.3E-6
20. **CLERP Estimate:** 1.0E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** IL-C-03A

2. **Segment Functional ID:** RHRA-CL-PAA1201

3. **Segment Description:** RHRA Discharge to Cold Legs, Between MOV 1-8888A and Containment Penetration 322

4. **Configuration:** Demand // Demand // Shutdown // Shutdown

5. **Analyzed Break Size (Inches):** 10

6. **Spatial Effects:** PAA-12-01

7. **Consequence Key:** RHR^D/RWST (ISO=GF) // SD LOCA (ISO=F) // LSDCA (ISO=S)

8. **Isolation:** NO // NC· MOV 1-8888A // NO // YES· (1-8702A or 1-8701A and 1-8702B or 1-8701B)

9. **Time to Isolate:** Isolation is needed within 22 minutes to prevent loss of ½ RWST (RHR pumps flooded in 51 minutes). Isolation was not credited for events needing less than one hour to isolate.

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** Tested Quarterly

12. **Disabled Trains (Direct Effects):** RHR lost due to a flow diversion.

13. **Disabled Trains (Indirect Effects):** Flooding of the RHR system and a possible loss of RWST

14. **Disabled Trains (ISO Success):** N/A

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Standard for LOCA events

19. **CCDP Estimate:** Loss of RHR: 2.7E-4

20. **CLERP Estimate:** 2.3E-6

21. **Rank:** HIGH

See Template for Shutdown

1. **Consequence Segment ID:** IL-C-03B

2. **Segment Functional ID:** RHRB-CL-PAA1201

3. **Segment Description:** RHRB Discharge to Cold Legs, Between MOV 1-8888B and Containment Penetration 227

4. **Configuration:** Demand // Demand // Shutdown // Shutdown

5. **Analyzed Break Size (Inches):** 10

6. **Spatial Effects:** PAA-12-01

7. **Consequence Key:** RHR^D/RWST (ISO=GF) // SD LOCA (ISO=F) // LSDCB (ISO=S)

8. **Isolation:** NO // NC: MOV 1-8888B // NO // YES: (1-8702A or 1-8701A and 1-8702B or 1-8701B)

9. **Time to Isolate:** Isolation is needed within 22 minutes to prevent loss of ½ RWST (RHR pumps flooded in 51 minutes). Isolation was not credited for events needing less than one hour to isolate.

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** Tested Quarterly

12. **Disabled Trains (Direct Effects):** RHR lost due to a Flow Diversion

13. **Disabled Trains (Indirect Effects):** Flooding of the RHR System and a possible loss of RWST

14. **Disabled Trains (ISO Success):** N/A

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Standard for LOCA events

19. **CCDP Estimate:** Loss of RHR: 2.7E-4

20. **CLERP Estimate:** 2.3E-6

21. **Rank:** HIGH

See Template for Shutdown

1. **Consequence Segment ID:** IL-C-04A

2. **Segment Functional ID:** RHRA-CL

3. **Segment Description:** RHRA Discharge to Cold Legs, Between Containment Penetration 322 and CV 1-8974A

4. **Configuration:** D // S/D // S/D

5. **Analyzed Break Size (Inches):** 10

6. **Spatial Effects:** Containment

7. **Consequence Key:** RHR^D/RWST* (NC ISO) // SD LOCA* (ISO=F) // LSDCA* (ISO=S)

8. **Isolation:** NC // NO // YES: (1-8702A or 1-8701A)

9. **Time to Isolate:** Isolation is needed within 22 minutes to prevent loss of ½ RWST (RHR pumps flooded in 51 minutes). Isolation was not credited for events needing less than one hour to isolate.

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** Tested Quarterly

12. **Disabled Trains (Direct Effects):** RHR due to a flow diversion

13. **Disabled Trains (Indirect Effects):** Break in Containment

14. **Disabled Trains (ISO Success):** None

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** All

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Standard for LOCA events

19. **CCDP Estimate:** Loss of RHR: 2.7E-4

20. **CLERP Estimate:** 2.3E-6

21. **Rank:** HIGH

See Template for Shutdown* A

1. **Consequence Segment ID:** IL-C-04B

2. **Segment Functional ID:** RHRB-CL

3. **Segment Description:** RHRB Discharge to Cold Legs, Between Containment Penetration 227 and CV 1-8974B

4. **Configuration:** D // S/D // S/D

5. **Analyzed Break Size (Inches):** 10

6. **Spatial Effects:** Containment

7. **Consequence Key:** RHR^D/RWST* (NC ISO) // SD LOCA* (ISO=F) // LSDCB* (ISO=S)

8. **Isolation:** NC // NO // YES: (1-8702B or 1-8701B)

9. **Time to Isolate:** Isolation is needed within 22 minutes to prevent loss of ½ RWST (RHR pumps flooded in 51 minutes). Isolation was not credited for events needing less than one hour to isolate.

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** Tested Quarterly

12. **Disabled Trains (Direct Effects):** RHR lost due to a flow diversion

13. **Disabled Trains (Indirect Effects):** Break in Containment

14. **Disabled Trains (ISO Success):** None

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** All

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Standard for LOCA events

19. **CCDP Estimate:** Loss of RHR: 2.7E-4

20. **CLERP Estimate:** 2.3E-6

21. **Rank:** HIGH

See Template for Shutdown B

1. **Consequence Segment ID:** IL-C-05

2. **Segment Functional ID:** RHR-CLS

3. **Segment Description:** RHR Discharge to Cold Legs, Between CLs CVs 1-8974A, 1-8974B and CVs 1-8973A, 1-8973B, & 1-8973C

4. **Configuration:** D // S/D // S/D

5. **Analyzed Break Size (Inches):** 6, 10

6. **Spatial Effects:** Containment

7. **Consequence Key:** RHR^D/RWST* (NC ISO) // SD LOCA* (ISO=F) // LSDC* (ISO=S)

8. **Isolation:** NC // NO // YES: All S/D MOVs

9. **Time to Isolate:** Isolation is needed within 22 minutes to prevent loss of ½ RWST (RHR pumps flooded in 51 minutes). Isolation was not credited for events needing less than one hour to isolate.

10. **Initiating Event:** Assumed LOCA

11. **Exposure Time:** Tested Quarterly

12. **Disabled Trains (Direct Effects):** RHR lost due to a flow diversion.

13. **Disabled Trains (Indirect Effects):** Break in Containment

14. **Disabled Trains (ISO Success):** N/A

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Standard for LOCA events

19. **CCDP Estimate:** Loss of RHR: 2.7E-4

20. **CLERP Estimate:** 2.3E-6

21. **Rank:** HIGH

See Template for Shutdown*

1. **Consequence Segment ID:** IL-C-06
2. **Segment Functional ID:** RH-HL-PAA1201
3. **Segment Description:** RHRA Discharge to Hot Legs, Between MOV 1-8889 and Containment Penetration 325
4. **Configuration:** Demand
5. **Analyzed Break Size (Inches):** 10
6. **Spatial Effects:** PAA-12-01
7. **Consequence Key:** RHR HL
8. **Isolation:** NC: MOV 1-8889
9. **Time to Isolate:** N/A
10. **Initiating Event:** Assumed LOCA (LLOCA, MLOCA)
11. **Exposure Time:** 1 Year
12. **Disabled Trains (Direct Effects):** RHR Injection to HLs and CLs
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** RHR Injection to HLs and CLs
15. **Available Trains (ISO Failure):** None
16. **Available Trains (ISO Success):** SI to HLs
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** Standard for LOCA events
19. **CCDP Estimate:** < 1E-6
20. **CLERP Estimate:** <1E-7
21. **Rank:** LOW

1. **Consequence Segment ID:** IL-C-07

2. **Segment Functional ID:** RH-HLS

3. **Segment Description:** RHR Discharge to Hot Legs, Between Containment Penetration 325 and CVs 1-8988A and 1-8988B

4. **Configuration:** Demand

5. **Analyzed Break Size (Inches):** 6, 10

6. **Spatial Effects:** Containment

7. **Consequence Key:** RHR HL*

8. **Isolation:** NC: MOV 1-8889

9. **Time to Isolate:** N/A

10. **Initiating Event:** Assumed LOCA (LLOCA, MLOCA)

11. **Exposure Time:** All Year

12. **Disabled Trains (Direct Effects):** RHR Injection to HLs and CLs

13. **Disabled Trains (Indirect Effects):** None

14. **Disabled Trains (ISO Success):** RHR Injection to HLs

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** RHR to CLs, SI to CLs and HLs

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** Break in Containment

19. **CCDP Estimate:** <1E-6

20. **CLERP Estimate:** <1E-7

21. **Rank:** LOW

1. **Consequence Segment ID:** MS-C-01A
2. **Segment Functional ID:** MSA-CONT
3. **Segment Description:** MS Line A, Between SG XSG-2A-RC and Containment Penetration 428
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-01B
2. **Segment Functional ID:** MSB-CONT
3. **Segment Description:** MS Line B, Between SG XSG-2B-RC and Containment Penetration 207
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-01C
2. **Segment Functional ID:** MSC-CONT
3. **Segment Description:** MS Line C, Between SG XSG-2C-RC and Containment Penetration 202
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** Containment
7. **Consequence Key:** SSBI
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB in Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** Break in Containment
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB inside Cont
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.3E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-02A

2. **Segment Functional ID:** MSA-PAA3601

3. **Segment Description:** MS Line A, Common Line to Safety Valves, Between Containment Penetration 428 and PAA-36-01/IB-36-02 Pen

4. **Configuration:** Operating

5. **Analyzed Break Size** 32

6. **Spatial Effects:** PAA-36-01

7. **Consequence Key:** SSBO

8. **Isolation:** NO

9. **Time to Isolate:** N/A

10. **Initiating Event:** SLB/FB outside Cont

11. **Exposure Time:** N/A

12. **Disabled Trains (Direct Effects):** Loss of broken line

13. **Disabled Trains (Indirect Effects):** N/A

14. **Disabled Trains (ISO Success):** NA

15. **Available Trains (ISO Failure):** Other unaffected SHR Systems

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** SLB/FB outside Containment

19. **CCDP Estimate:** 9 8E-5

20. **CLERP Estimate:** 7.4E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-02B
2. **Segment Functional ID:** MSB-PAI3601
3. **Segment Description:** MS Line B, Common Line to Safety Valves, Between Containment Penetration 207 and PAI-36-01/IB-36-02 Pen
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-02C
2. **Segment Functional ID:** MSC-PAI3601
3. **Segment Description:** MS Line C, Common Line to Safety Valves, Between Containment Penetration 202 and PAI-36-01/IB-36-02 Pen
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-03A
2. **Segment Functional ID:** MSA-IB3602
3. **Segment Description:** MS Line A, Common Line to Safety Valves, Between PAA-36-01/IB-36-02 Pen and MSIV 2801A-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 32
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-03B

2. **Segment Functional ID:** MSB-IB3602

3. **Segment Description:** MS Line B, Common Line to Safety Valves, Between PAI-36-01/IB-36-02 Pen and MSIV 2801B-MS

4. **Configuration:** Operating

5. **Analyzed Break Size (Inches):** 32

6. **Spatial Effects:** IB-36-02

7. **Consequence Key:** SSBO

8. **Isolation:** NO

9. **Time to Isolate:** N/A

10. **Initiating Event:** SLB/FB outside Cont

11. **Exposure Time:** N/A

12. **Disabled Trains (Direct Effects):** Loss of broken line

13. **Disabled Trains (Indirect Effects):** N/A

14. **Disabled Trains (ISO Success):** NA

15. **Available Trains (ISO Failure):** Other unaffected SHR Systems

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** SLB/FB outside Containment

19. **CCDP Estimate:** 9.8E-5

20. **CLERP Estimate:** 7.4E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-03C

2. **Segment Functional ID:** MSC-IB3602

3. **Segment Description:** MS Line C, Common Line to Safety Valves, Between PAI-36-01/IB-36-02 Pen and MSIV 2801C-MS

4. **Configuration:** Operating

5. **Analyzed Break Size (Inches):** 32

6. **Spatial Effects:** IB-36-02

7. **Consequence Key:** SSBO

8. **Isolation:** NO

9. **Time to Isolate:** N/A

10. **Initiating Event:** SLB/FB outside Cont

11. **Exposure Time:** N/A

12. **Disabled Trains (Direct Effects):** Loss of broken line

13. **Disabled Trains (Indirect Effects):** N/A

14. **Disabled Trains (ISO Success):** NA

15. **Available Trains (ISO Failure):** Other unaffected SHR Systems

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** SLB/FB outside Containment

19. **CCDP Estimate:** 9.8E-5

20. **CLERP Estimate:** 7.4E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-04A
2. **Segment Functional ID:** MSA-ADV-2000
3. **Segment Description:** MS Line A, Between Common Line to Safety Valves Tee and Atmospheric Dump Valve IPV-2000-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 8
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-04B

2. **Segment Functional ID:** MSB-ADV-2010

3. **Segment Description:** MS Line B, Between Common Line to Safety Valves Tee and Atmospheric Dump Valve IPV-2010-MS

4. **Configuration:** Operating

5. **Analyzed Break Size (Inches):** 8

6. **Spatial Effects:** IB-36-02

7. **Consequence Key:** SSBO

8. **Isolation:** NO

9. **Time to Isolate:** N/A

10. **Initiating Event:** SLB/FB outside Cont

11. **Exposure Time:** N/A

12. **Disabled Trains (Direct Effects):** Loss of broken line

13. **Disabled Trains (Indirect Effects):** N/A

14. **Disabled Trains (ISO Success):** NA

15. **Available Trains (ISO Failure):** Other unaffected SHR Systems

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** SLB/FB outside Containment

19. **CCDP Estimate:** 9.8E-5

20. **CLERP Estimate:** 7.4E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-04C

2. **Segment Functional ID:** MSC-ADV-2020

3. **Segment Description:** MS Line C, Between Common Line to Safety Valves Tee and Atmospheric Dump Valve IPV-2020-MS

4. **Configuration:** Operating

5. **Analyzed Break Size (Inches):** 8

6. **Spatial Effects:** PAI-36-01

7. **Consequence Key:** SSBO

8. **Isolation:** NO

9. **Time to Isolate:** N/A

10. **Initiating Event:** SLB/FB outside Cont

11. **Exposure Time:** N/A

12. **Disabled Trains (Direct Effects):** Loss of broken line

13. **Disabled Trains (Indirect Effects):** N/A

14. **Disabled Trains (ISO Success):** NA

15. **Available Trains (ISO Failure):** Other unaffected SHR Systems

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** SLB/FB outside Containment

19. **CCDP Estimate:** 9.8E-5

20. **CLERP Estimate:** 7.4E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05A
2. **Segment Functional ID:** MSA-SRV-2806A
3. **Segment Description:** MS Line A, Safety Valve 2806A-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05F
2. **Segment Functional ID:** MSB-SRV-2806F
3. **Segment Description:** MS Line B, Safety Valve 2806F-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9 8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05K
2. **Segment Functional ID:** MSC-SRV-2806K
3. **Segment Description:** MS Line C, Safety Valve 2806K-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-06B
2. **Segment Functional ID:** MSA-SRV-2806B
3. **Segment Description:** MS Line A, Safety Valve 2806B-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: MS-C-06G
2. Segment Functional ID: MSB-SRV-2806G
3. Segment Description: MS Line B, Safety Valve 2806G-MS
4. Configuration: Operating
5. Analyzed Break Size (Inches): 6
6. Spatial Effects: IB-36-02
7. Consequence Key: SSBO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: SLB/FB outside Cont
11. Exposure Time: N/A
12. Disabled Trains (Direct Effects): Loss of broken line
13. Disabled Trains (Indirect Effects): N/A
14. Disabled Trains (ISO Success): NA
15. Available Trains (ISO Failure): Other unaffected SHR Systems
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLB/FB outside Containment
19. CCDP Estimate: 9.8E-5
20. CLERP Estimate: 7.4E-7
21. Rank: MEDIUM

1. **Consequence Segment ID:** MS-C-06L
2. **Segment Functional ID:** MSC-SRV-2806L
3. **Segment Description:** MS Line C, Safety Valve 2806L-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05C
2. **Segment Functional ID:** MSA-SRV-2806C
3. **Segment Description:** MS Line A, Safety Valve 2806C-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05H
2. **Segment Functional ID:** MSB-SRV-2806H
3. **Segment Description:** MS Line B, Safety Valve 2806H-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7 4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05M
2. **Segment Functional ID:** MSC-SRV-2806M
3. **Segment Description:** MS Line C, Safety Valve 2806M-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05D
2. **Segment Functional ID:** MSA-SRV-2806D
3. **Segment Description:** MS Line A, Safety Valve 2806D-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-051
2. **Segment Functional ID:** MSB-SRV-2806I
3. **Segment Description:** MS Line B, Safety Valve 2806I-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05N
2. **Segment Functional ID:** MSC-SRV-2806N
3. **Segment Description:** MS Line C, Safety Valve 2806N-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05E
2. **Segment Functional ID:** MSA-SRV-2806E
3. **Segment Description:** MS Line A, Safety Valve 2806E-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9 8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05J
2. **Segment Functional ID:** MSB-SRV-2806J
3. **Segment Description:** MS Line B, Safety Valve 2806J-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-05P
2. **Segment Functional ID:** MSC-SRV-2806P
3. **Segment Description:** MS Line C, Safety Valve 2806P-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-10A
2. **Segment Functional ID:** MSA-CAP1
3. **Segment Description:** MS Line A, 14" Capped Branch, Between Pen 428 and 8" Branch Connection
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** PAA-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-10C
2. **Segment Functional ID:** MSC-CAP1
3. **Segment Description:** MS Line C, 14" Capped Branch, Between Pen 202 and 8" Branch Connection
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** PAI-36-01
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-11A
2. **Segment Functional ID:** MSA-CAP2
3. **Segment Description:** MS Line A, 14" Capped Branch, Upstream from MSIV 2801A-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-11B
2. **Segment Functional ID:** MSB-CAP2
3. **Segment Description:** MS Line B, 14" Capped Branch, Upstream from MSIV 2801B-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** MS-C-11C
2. **Segment Functional ID:** MSC-CAP2
3. **Segment Description:** MS Line C, 14" Capped Branch, Upstream from MSIV 2801C-MS
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** IB-36-02
7. **Consequence Key:** SSBO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLB/FB outside Cont
11. **Exposure Time:** N/A
12. **Disabled Trains (Direct Effects):** Loss of broken line
13. **Disabled Trains (Indirect Effects):** N/A
14. **Disabled Trains (ISO Success):** NA
15. **Available Trains (ISO Failure):** Other unaffected SHR Systems
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLB/FB outside Containment
19. **CCDP Estimate:** 9.8E-5
20. **CLERP Estimate:** 7.4E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: RCS11
2. Segment Functional ID: HLA
3. Segment Description: HLA, Reactor Vessel to SG1, XSG-2A-RC
4. Configuration: Operating
5. Analyzed Break Size (Inches): 29
6. Spatial Effects: Containment
7. Consequence Key: LLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: LLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: LLO
19. CCDP Estimate: 3 8E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS12
2. **Segment Functional ID:** XLA
3. **Segment Description:** XLA, XSG-2A-RC to RCP XPP-30A-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 31
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3.8E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. Consequence Segment ID: RCS13
2. Segment Functional ID: CLA
3. Segment Description: CLA, XPP-30A-RC to Reactor Vessel
4. Configuration: Operating
5. Analyzed Break Size (Inches): 27.5
6. Spatial Effects: Containment
7. Consequence Key: LLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: LLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: LLO
19. CCDP Estimate: 3 8E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS14
2. **Segment Functional ID:** WCA-XL
3. **Segment Description:** Weld Cap from XLA
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. Consequence Segment ID: RCS15A
2. Segment Functional ID: LD
3. Segment Description: XLA L/D, XLA to 1-LCV-460
4. Configuration: Operating
5. Analyzed Break Size (Inches): 3
6. Spatial Effects: Containment
7. Consequence Key: MLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: MLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: MLO
19. CCDP Estimate: 3.6E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS15B
2. **Segment Functional ID:** LD-ISO
3. **Segment Description:** XLA L/D, 1-LCV-460 to 1-LCV-459
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** IMLO(AOV)
8. **Isolation:** AOV: 1-LCV-460
9. **Time to Isolate:** N/A
10. **Initiating Event:** IMLO (AOV)
11. **Exposure Time:** All Year: This an isolable MLOCA which would be isolated by the Above AOV
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLOCA, if isolation fails
19. **CCDP Estimate:** Isolable MLOCA isolated by closure on demand of an open AOV: 3.6E-3 * 2.0E-3 = 7.2E-6
20. **CLERP Estimate:** 7.0E-6
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** RCS15C
2. **Segment Functional ID:** DRA
3. **Segment Description:** XLA, XLA L/D 3"x2" Reducer To 1-8057A
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SLOC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLOC
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA effects
13. **Disabled Trains (Indirect Effects):** LOCA effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC
19. **CCDP Estimate:** 3 4E-3
20. **CLERP Estimate:** 3.4E-5
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS15D
2. **Segment Functional ID:** DRA-ISO
3. **Segment Description:** XLA L/D, 1-8057A to 1-8058A
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** PSLOC(MV)
8. **Isolation:** MV: 1-8057A
9. **Time to Isolate:** N/A
10. **Initiating Event:** PSLOC (MV)
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC if isolation fails
19. **CCDP Estimate:** Potential SLOC isolated by a normally closed check valve: 3.42E-3 * 4 4E-3 = 1.5E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. Consequence Segment ID: RCS16
2. Segment Functional ID: WCA-CL
3. Segment Description: Weld Cap from CLA
4. Configuration: Operating
5. Analyzed Break Size (Inches): 2
6. Spatial Effects: Containment
7. Consequence Key: SLOC
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: SLOC
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA effects
13. Disabled Trains (Indirect Effects): LOCA effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: SLOC
19. CCDP Estimate: 3.4E-3
20. CLERP Estimate: 3.4E-5
21. Rank: HIGH

1. **Consequence Segment ID:** RCS21
2. **Segment Functional ID:** HLB
3. **Segment Description:** HLB, Reactor Vessel to SG1, XSG-2B-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 29
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3.8E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS22
2. **Segment Functional ID:** XLB
3. **Segment Description:** XLB, XSG-2B-RC to RCP XPP-30B-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 31
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3 8E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS23
2. **Segment Functional ID:** CL B
3. **Segment Description:** CLB, XPP-30B-RC to Reactor Vessel
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 27.5
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3.8E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS24
2. **Segment Functional ID:** WCB-XL
3. **Segment Description:** Weld Cap from XLB
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS25A
2. **Segment Functional ID:** DRB
3. **Segment Description:** XLB Drain A, XL2 to 1-8057B
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SLOC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLOC
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA effects
13. **Disabled Trains (Indirect Effects):** LOCA effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC
19. **CCDP Estimate:** 3 4E-3
20. **CLERP Estimate:** 3.4E-5
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS25B
2. **Segment Functional ID:** DRB-ISO
3. **Segment Description:** XLB Drain A, 1-8057B to 1-8058B & Flow Restrictor
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** PSLOC(MV)
8. **Isolation:** MV: 1-8057B
9. **Time to Isolate:** N/A
10. **Initiating Event:** PSLOC (MV)
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC if isolation fails
19. **CCDP Estimate:** Potential SLOC isolated by a normally closed check valve: 3 42E-3 * 4.4E-3 = 1.5E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** RCS26
2. **Segment Functional ID:** WCB-CL
3. **Segment Description:** Weld Cap from XLB
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SLOC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLOC
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA effects
13. **Disabled Trains (Indirect Effects):** LOCA effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC
19. **CCDP Estimate:** 3.4E-3
20. **CLERP Estimate:** 3.4E-5
21. **Rank:** HIGH

1. Consequence Segment ID: RCS31
2. Segment Functional ID: HLC
3. Segment Description: HLC, Reactor Vessel to SG3, XSG-2C-RC
4. Configuration: Operating
5. Analyzed Break Size (Inches): 29
6. Spatial Effects: Containment
7. Consequence Key: LLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: LLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: LLO
19. CCDP Estimate: 3.8E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS32
2. **Segment Functional ID:** XLC
3. **Segment Description:** XLC, XSG-2C-RC to RCP XPP-30C-RC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 31
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3.8E-03
20. **CLERP Estimate:** 3 5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS33
2. **Segment Functional ID:** CL C
3. **Segment Description:** CLC, XPP-30C-RC to Reactor Vessel
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 27.5
6. **Spatial Effects:** Containment
7. **Consequence Key:** LLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** LLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** LLO
19. **CCDP Estimate:** 3.8E-03
20. **CLERP Estimate:** 3 5E-05
21. **Rank:** HIGH

1. Consequence Segment ID: RCS34
2. Segment Functional ID: WCC-XL
3. Segment Description: Weld Cap from XLC
4. Configuration: Operating
5. Analyzed Break Size (Inches): 3
6. Spatial Effects: Containment
7. Consequence Key: MLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: MLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: MLO
19. CCDP Estimate: 3.6E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS35A
2. **Segment Functional ID:** DRC
3. **Segment Description:** XLC Drain , XLC to 1-8057C
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SLOC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLOC
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA effects
13. **Disabled Trains (Indirect Effects):** LOCA effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC
19. **CCDP Estimate:** 3 4E-3
20. **CLERP Estimate:** 3 4E-5
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS35B
2. **Segment Functional ID:** DRC-ISO
3. **Segment Description:** XLC Drain , 1-8057C to 1-8058C
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** PSLOC(MV)
8. **Isolation:** MV: 1-8057C
9. **Time to Isolate:** N/A
10. **Initiating Event:** PSLOC (MV)
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** None
13. **Disabled Trains (Indirect Effects):** None
14. **Disabled Trains (ISO Success):** None
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** All
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC if isolation fails
19. **CCDP Estimate:** Potential SLOC isolated by a normally closed check valve: 3.42E-3 * 4.4E-3 = 1.5E-5
20. **CLERP Estimate:** 1.5E-7
21. **Rank:** MEDIUM

1. **Consequence Segment ID:** RCS36
2. **Segment Functional ID:** WCB-CL
3. **Segment Description:** Weld Cap from CLC
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 2
6. **Spatial Effects:** Containment
7. **Consequence Key:** SLOC
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** SLOC
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA effects
13. **Disabled Trains (Indirect Effects):** LOCA effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** SLOC
19. **CCDP Estimate:** 3 4E-3
20. **CLERP Estimate:** 3.4E-5
21. **Rank:** HIGH

1. Consequence Segment ID: RCS37
2. Segment Functional ID: PZR SRG HLA
3. Segment Description: Pressurizer Surge, HLA to Pressurizer
4. Configuration: Operating
5. Analyzed Break Size (Inches): 14
6. Spatial Effects: Containment
7. Consequence Key: LLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: LLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: LLO
19. CCDP Estimate: 3.8E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS51
2. **Segment Functional ID:** PZR SV1
3. **Segment Description:** Pressurizer to Relief Valve 1-8010A
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS52
2. **Segment Functional ID:** PZR SV2
3. **Segment Description:** Pressurizer to Relief Valve 1-8010B
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 6
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. Consequence Segment ID: RCS53
2. Segment Functional ID: PZR SV3
3. Segment Description: Pressurizer to Relief Valve 1-8010C
4. Configuration: Operating
5. Analyzed Break Size (Inches): 6
6. Spatial Effects: Containment
7. Consequence Key: MLO
8. Isolation: NO
9. Time to Isolate: N/A
10. Initiating Event: MLO
11. Exposure Time: All Year
12. Disabled Trains (Direct Effects): LOCA Effects
13. Disabled Trains (Indirect Effects): LOCA Effects
14. Disabled Trains (ISO Success): N/A
15. Available Trains (ISO Failure): All
16. Available Trains (ISO Success): N/A
17. Containment Isolation: Not Affected
18. LERF Effects: MLO
19. CCDP Estimate: 3.6E-03
20. CLERP Estimate: 3.5E-05
21. Rank: HIGH

1. **Consequence Segment ID:** RCS54
2. **Segment Functional ID:** PZR PORVS
3. **Segment Description:** Pressurizer to Block Valves 1-8000A, 1-8000B, 1-8000C
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3, 6, 8?
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS55
2. **Segment Functional ID:** PZR PORV A
3. **Segment Description:** Block Valve 1-8000A to PORV 1-PCV-445A
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NC: MOV. 1-8000A
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS56
2. **Segment Functional ID:** PZR PORV B
3. **Segment Description:** Block Valve 1-8000B to PORV 1-PCV-444B
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NC: MOV: 1-8000B
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS57
2. **Segment Functional ID:** PZR PORV C
3. **Segment Description:** Block Valve 1-8000C to PORV 1-PCV-445B
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 3
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NC: MOV: 1-8000C
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS58
2. **Segment Functional ID:** PZR SPR CLA
3. **Segment Description:** PZR Spray: CLA to 1-PCV-444D
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 4
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS59
2. **Segment Functional ID:** PZR SPR CLC
3. **Segment Description:** PZR Spray: CLC to 1-PCV-444C
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):** 4
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3 6E-03
20. **CLERP Estimate:** 3 5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RCS60
2. **Segment Functional ID:** PZR SPR
3. **Segment Description:** PZR Spray: 1-PCV-455D and 455C to PZR Nozzle
4. **Configuration:** Operating
5. **Analyzed Break Size (Inches):**
6. **Spatial Effects:** Containment
7. **Consequence Key:** MLO
8. **Isolation:** NO
9. **Time to Isolate:** N/A
10. **Initiating Event:** MLO
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** LOCA Effects
13. **Disabled Trains (Indirect Effects):** LOCA Effects
14. **Disabled Trains (ISO Success):** N/A
15. **Available Trains (ISO Failure):** All
16. **Available Trains (ISO Success):** N/A
17. **Containment Isolation:** Not Affected
18. **LERF Effects:** MLO
19. **CCDP Estimate:** 3.6E-03
20. **CLERP Estimate:** 3.5E-05
21. **Rank:** HIGH

1. **Consequence Segment ID:** RHR-C-01A1

2. **Segment Functional ID:** RHRA-RWST1

3. **Segment Description:** RHRA Suction form RWST, Between MOV-1-8809A and CV 1-8958A

4. **Configuration:** Standby

5. **Analyzed Break Size (Inches):** 14

6. **Spatial Effects:** AB-97-02S

7. **Consequence Key:** RWST (RHR) - ISO

8. **Isolation:** Yes: MOV 1-8809A

9. **Time to Isolate:** N/A

10. **Initiating Event:** Possible LOCA

11. **Exposure Time:** 24 hours. The breaks in this line during standby can be detected by RWST low level alarms or different area sump alarms Exposure time is equal to the time to detect the problem (1/2 the normal plant shift = 6 hours). The time before a controlled shutdown (LCO = 1 hour), plus the time in S/D to soive the problem (refill time). For isolable breaks, it was conservatively assumed that one day total is needed to solve the problem.

12. **Disabled Trains (Direct Effects):** RWST, All ECCS Trains

13. **Disabled Trains (Indirect Effects):** Flooding of RHR Pumps

14. **Disabled Trains (ISO Success):** N/A

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** LOCA

19. **CCDP Estimate:** CCDP = CDF (Loss of RWST) * Exposure Time: 1.2E-3 * 2.7E-3 = 3.4E-6

20. **CLERP Estimate:** CLERP = LERF(Loss of RWST) * Exposure Time:
2.4E-4 * 2.7E-3 = 6.7E-7

21. **Rank:** MEDIUM

1. **Consequence Segment ID:** RHR-C-01A2

2. **Segment Functional ID:** RHRA-RWST2

3. **Segment Description:** RHRA Suction, From RWST, Between CV 1-8958A and Suction Line A, MOV-8812A, and AB-97-02S/AB-74-17 Pen, AB-97-02S/AB-97-02N

4. **Configuration:** Standby // Shutdown // Shutdown // Operating

5. **Analyzed Break Size (Inches):** 14

6. **Spatial Effects:** AB-97-02S

7. **Consequence Key:** RWST (RHR) - ISO // SD LOCA (ISO=F) // LSDCA (ISO=S) // IS-LOCA(2MOVs)

8. **Isolation:** Yes· MOV 1-8809A // NO // YES: (1-8702A or 1-8701A)

9. **Time to Isolate:** N/A

10. **Initiating Event:** Possible LOCA // IS-LOCA(2MOVs)

11. **Exposure Time:** 24 hours. The breaks in this line during standby can be detected by RWST low level alarms or different area sump alarms. Exposure time is equal to the time to detect the problem (1/2 the normal plant shift = 6 hours), the time before a controlled shutdown (LCO = 1 hour), plus the time in S/D to solve the problem (refill time). For isolable breaks, it was conservatively assumed that one day total is needed to solve the problem. For ISLOCA(2MOVs), exposure time is 3 months, since the RHR system is tested quarterly, and it was assumed that the test will detect MOV leakage.

12. **Disabled Trains (Direct Effects):** RWST, All ECCS Trains // RHR A

13. **Disabled Trains (Indirect Effects):** Flooding of RHR Pumps

14. **Disabled Trains (ISO Success):** N/A

15. **Available Trains (ISO Failure):** None

16. **Available Trains (ISO Success):** N/A

17. **Containment Isolation:** Not Affected

18. **LERF Effects:** LOCA // Containment Bypass

19. **CCDP Estimate:** CCDP = CDF (Loss of RWST) * Exposure Time: 1.2E-3 * 2.7E-3 = 3.4E-6 // CCDP (2MOVs fail open): 2.1E-6

20. **CLERP Estimate:** 6.7E-7 // 2 1E-6

21. **Rank:** MEDIUM

See Template for Shutdown A

1. **Consequence Segment ID:** RHR-C-01A3
2. **Segment Functional ID:** RHRA-SUMP
3. **Segment Description:** RHRA Sump Suction, Between MOV 1-8811A and 1-8812A
4. **Configuration:** Demand // Demand
5. **Analyzed Break Size (Inches):** 14
6. **Spatial Effects:** AB-97-02S
7. **Consequence Key:** RHR/SUMP (ISO=GF)
8. **Isolation:** NO // NC. MOV 1-8818A // NO // YES: (1-8702A or 1-8701A)
9. **Time to Isolate:** Gravity flow from sump, could be less than 10 minutes, isolation is not credited
10. **Initiating Event:** Assumed LOCA and Recirc
11. **Exposure Time:** All Year
12. **Disabled Trains (Direct Effects):** RHR A Suction from Sump
13. **Disabled Trains (Indirect Effects):** Possible flooding of RHR pumps
14. **Disabled Trains (ISO Success):** RHR A Sump Suction
15. **Available Trains (ISO Failure):** None
16. **Available Trains (ISO Success):** RHR B Recirc
17. **Containment Isolation:** Possible Containment Bypass
18. **LERF Effects:** Containment Bypass of isolation fails
19. **CCDP Estimate:** ISO = F, Loss of RHR, not tested piping CCDP: 1.1E-3
20. **CLERP Estimate:** 1.1E-3
21. **Rank:** HIGH