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VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

79 AUG 3 A 9: 40

August 1, 1979

Mr. James P. O'Reilly, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No.552/070279
PSE&C/RKM:vml:wang

Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. O'Reilly:

The 30-day response required by your letter of July 2, 1979, concerning IE Bulletin No. 79-14 "Seismic Analyses for As-Built Safety-Related Piping Systems" and its Revision 1 dated July 18, 1979, is provided herein for Surry Power Station Units 1 and 2.

As requested in IE Bulletin No. 79-14, we are verifying that the design criteria and documents that were used as input to the seismic analysis adequately conform to the as-built configuration of safety-related piping systems. Considerable progress has already been made towards full compliance with this Bulletin due to the work completed on the Show Cause Order of March 13, 1979. Surry Power Station Unit 1 has completed 100% of its piping system as-built verification and approximately 50% of its support as-built verification called for in the Show Cause Order, while Surry Power Station Unit 2 has completed approximately 75% of its piping system as-built verification and approximately 25% of its support as-built verification required by the Show Cause Order. The requirements of IE Bulletin No. 79-14 for a large percentage of the affected piping systems have therefore been handled by the Show Cause Order.

As-built verification will be accomplished on the remaining systems by the use of Inspection Documents, which will be developed based on a review of existing Surry Power Station Units 1 and 2 system documentation. These Inspection Documents will be the controlling documents in verifying as-built system configurations.

Attachment 1 lists those inspection elements that should be included on the Inspection Documents. The inspection elements were developed by evaluating the seismic analysis design input information. Attachment 2 identifies the design input data required for seismic analysis and the source of the data. Attachment 3 is a description of the documents listed in Attachments 4 and 5. Attachments 4 and 5 list the design documents for Surry Power Station Units 1 and 2, respectively, which were sources of information for the original seismic analyses. Documents used were mechanical flow diagrams (FM), piping drawings (FP), and pipe stress summary drawings (MSK).

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Tables 1 and 2 identify those systems or portions of systems that are to be inspected to verify the "as-built" configuration for Surry Power Station Units 1 and 2, respectively. Since Seismic Category I Systems were not clearly identified for Surry Power Station Units 1 and 2, the piping system lines, identified in Tables 1 and 2, were identified based on 1) The original FSAR requirements, 2) North Anna 1 and 2 system designations and 3) Regulatory Guide 1.29 requirements.

We believe the enclosed information responds to all facets of Item 1 of IE Bulletin No. 79-14 for the necessary 30-day response. If you have any additional questions, please contact us.

Very truly yours,

W. C. Spencer
Vice President - Power Station
Engineering and Construction Services

Attachments (5)
Tables (2)

cc: Mr. Victor Stello, Director
Office of Inspection & Enforcement

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation

ATTACHMENT 1

IE BULLETIN 79-14
SURRY UNITS 1 & 2
INSPECTION ELEMENTS

Inspection Element	Remarks
Valves	
a. Location	position along pipe
b. Operator	excluding simplified analyzed systems
c. Weight	excluding simplified analyzed systems
Pipe Run Geometry	
Hangers	
a. Type	function
b. Location	position along pipe
c. Design Details	clearance, pipe attachment, structural details, embedment

NOTE: Bulletin exempts lines 2" and smaller if it was analyzed by other than computer method.

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ATTACHMENT 2

IE BULLETIN 79-14
SURRY UNITS 1 & 2
SEISMIC ANALYSIS INPUT

DESIGN INPUT	SOURCE OF INPUT	REMARKS
Pipe Diameter	FM Drawing FB Drawing FP Drawing	Re-verification not required because it is not the intent of 79-14. Would require insulation removal.
Pipe Wall Thickness	Piping Specification NUS-20	Re-verification not required because it is not the intent of 79-14. Would require insulation removal and UT of pipe.
Pipe Material	Piping Specification NUS-20 Yard Water and Fire Protection Specification NUS-153	Re-verification not required because it is not the intent of 79-14.
Pipe Insulation	Thermal Insulation Specification NUS-117 Line Designation Table	Re-verification not required because it is not the intent of 79-14 and insulation has insignificant affect on analysis results. Would require removing some insulation.
Pipe Run Geometry	FP Drawings MSK Drawings	
Hangers -		
Type	Hanger Sketches	
Location	FP Drawings	
Design	MSK Drawings	
Valves -		
Location	Manufacturer's Drawings or Data	
Operator	FP Drawings	
Weight		

ATTACHMENT 3

DESCRIPTION OF DESIGN DOCUMENTS

1. Mechanical Flow Diagram (FM) -

   Show system diagrammaticly, including line and valve numbers, instrumentation relative location of equipment on machine location drawings.

2. Piping Drawings (FP) -

   Show piping systems in plan and elevation view, dimensions drawn to scale, show support locations for large lines, support details, support loads tabulation.

3. Pipe Stress Summary Drawings (MSK) -

   Isometric representation of FP drawing for large lines, same as FP drawing for small lines, except shows support locations.

ATTACHMENT 4

LIST OF DESIGN DOCUMENTS
SURRY POWER STATION
UNIT 1

L/1605/3

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CLASSIFICATION MECHANICAL & NUCLEAR SYSTEM FM

Title	No.	CURRENT REVISION NO.	CURRENT REVISION DATE
MACH LOC REAC CONT - EL. 47' SH 1	1A	6	9-70
MACH LOC REAC CONT - EL. 18' SH 2	1B	6	9-70
MACH LOC REAC CONT - EL. -3' SH 3	1C	6	9-70
MACH LOC REAC CONT - EL. -27' SH 4	1D	8	4-76
MACH LOC REAC CONT - SECTS. SH 5	1E	6	9-70
MACH LOC REAC CONT - SECTS. SH 6	1F	6	9-70
MACH LOC REAC CONT - SECTS. SH 7	1G	7	11-11
ARRGT AUX BLDG EL. 2' SH 1	5A	7	4-73
ARRGT AUX BLDG EL. 13' SH 2	5B	7	4-73
ARRGT AUX BLDG EL. 27' SH 3	5C	7	4-73
ARRGT AUX BLDG EL. 45' SH 4	5D	7	4-73
MACH LOC TURB AREA OPER LEVEL	6A	6	6-70
MACH LOC TURB AREA MEZZ LEVEL	6B	7	1-71
MACH LOC TURB AREA GRND FLR	6C	10	1-79
MACH LOC TURB AREA SECTS SH 1	6D	6	6-70
MACH LOC TURB AREA SECTS SH 2	6E	6	6-70
MACH LOC TURB AREA SECTS SH 3	6F	7	1-71
MACH LOC TURB AREA SECTS SH 4	6G	7	1-71
MACH LOC TURB AREA SECTS SH 5	6H	7	1-71
FUEL ELVTR SPENT FUEL PIT	8A	6	12-69
ARRGT FUEL BLDG ELS. 6' & 47'	9A	5	2-79
ARRGT FUEL BLDG ELS. 27' & 15' & SECTS.	9B	6	2-79
ARRGT NO YD DECONT AREA	10A	3	11-70
ARRGT DECONT BLDG SH 1	10B	3	11-70
ARRGT DECONT BLDG SH 2	10C	3	11-70
SUPP NTRN SHLD SH 1	12A	4	3-72
SUPP NTRN SHLD SH 2	12B	2	3-72
SWIVEL LIFT BEAM & ACCESS SH 1	13A	2	8-69
SWIVEL LIFT BEAM & ACCESS SH 2	13B	3	11-69
SWIVEL LIFT BEAM & ACCESS SH 3	13C	1	10-68
SWIVEL LIFT BEAM & ACCESS SH 4	13D	2	8-69
SWIVEL LIFT BEAM & ACCESS SH 5	13E	1	10-65
FLOW DIAG MN STM	14A	13	8-76
FLOW DIAG EXTRAC STM	15A	13	2-78
FLOW DIAG AUX STM & AIR REM.	16A	15	2-78
FLOW DIAG AUX STM-PRIM PLNT	16B	13	5-72
FLOW DIAG CONDENSATE	17A	18	2-76
FLOW DIAG CONDENSATE TRUCK STA.	17B	1	2-76
FLOW DIAG FEEDWATER	18A	11	7-75
FLOW DIAG CRS-CON-AUX FD	18B	5	9-74
FLOW DIAG MOST SEP HP HTR DRNS & VNTS	19A	15	1-73
FLOW DIAG LP HTR DRNS & VNTS	20A	14	2-79
FLOW DIAG CIRC SERV WTR SH 1	21A	17	2-78
FLOW DIAG CIRC SERV WTR SH 2	21B	12	8-74
FLOW DIAG CMP CLG WTR SH 1	22A	15	2-73
FLOW DIAG CMP CLG WTR SH 2	22B	14	9-76
FLOW DIAG CMP CLG WTR SH 3	22C	14	11-76

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Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
FLOW DIAG CMP CLG WTR	SH 4	22D	12	2-73
FLOW DIAG CMP CLG WTR	SH 5	22E	12	11-76
FLOW DIAG CMP CLG WTR	SH 6	22F	12	2-73
FLOW DIAG BEARG COOLG WTR		23A	15	2-78
FLOW DIAG VAC PRIMING		24A	12	1-79
FLOW DIAG COMP AIR (TURB)	SH 1	25A	13	11-78
FLOW DIAG COMP AIR (TURB)	SH 2	25B	6	2-79
FLOW DIAG COMP AIR (AUX)	SH 3	25C	2	1-73
FLOW DIAG COMP AIR (REAC #1)	SH 4	25D	3	8-76
FLOW DIAG COMP AIR (REAC #1)	SH 5	25E	3	2-76
FLOW DIAG COMP AIR (TURB)	SH 6	25F	2	3-73
FLOW DIAG COMP AIR (MISC)	SH 7	25G	3	3-79
FLOW DIAG LUBE OIL LNS		26A	9	2-78
FLOW DIAG FLASH EVAP SYS		27A	13	12-77
FLOW DIAG MISC DRN-SEC PLANT		28A	8	1-73
FLOW DIAG BOR REC SYS	SH 1	29A	16	2-73
FLOW DIAG BOR REC SYS	SH 2	29B	13	4-73
FLOW DIAG BOR REC SYS	SH 3	29C	14	5-79
FLOW DIAG BOR REC SYS	SH 4	29D	14	4-73
FLOW DIAG WASTE DISP. SYS	SH 1	30A	14	5-79
FLOW DIAG WASTE DISP. SYS	SH 2	30B	13	4-79
FLOW DIAG WASTE DISP. SYS	SH 3	30C	11	4-79
FLOW DIAG FUEL PIT SYS		31A	13	1-72
FLOW DIAG SAMP SYS	SH 1	32A	13	7-72
FLOW DIAG SAMP SYS	SH 2	32B	14	11-76
FLOW DIAG SAMP SYS	SH 3	32C	4	11-76
PLTEMS & LDRS REAC CNTMNT AREA		33A	4	1-70
DISMANTLING LAYDN RC 47'-4"		34A	2	5-70
DISMANTLING LAYDN RC 18'-4"		34B	2	5-70
DISMANTLING LAYDN RC 3'-6"		34C	2	5-70
DISMANTLING LAYDN RC 27'-7"		34D	2	5-70
ARRGT REACTOR INSTALL		36A	3	10-68
ARRGT STEAM GEN INSTALL	SH 1	37A	5	3-69
ARRGT PRESSURIZER INSTALLATION		37B	3	3-68
ARRGT STEAM GEN STALL	SH 2	37C	3	3-69
ARRGT NTRN SHLT TK INSTALL		37D	1	6-69
ARRGT YARD TANKAGE	SH 1	38A	5	8-70
ARRGT YARD TANKAGE	SH 2	38B	4	2-70
ARRGT MONO & TRANSF CRNS-AUX		39A	5	11-70
ARRGT MONO-RC		39B	3	2-70
ARRGT MONO-TRANSF CRNS-FUEL & DECON		39C	1	4-70
REAC CAV WTR SL ARRGT & DETS	SH 1	40A	8	2-70
REAC CAV WTR SL ARRGT & DETS	SH 2	40B	4	4-69
ARRGT NTRN SH & INCR INST'N		41A	2	2-69
ARRGT OF INCORE INST'N	SH 1	42A	3	1-71
ARRGT OF INCORE INST'N	SH 2	42B	3	1-71
PIPE SUPPS INCORE INST'N	SH 1	42C	1	1-71

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PIPE SUPPS INCORE INST'S SH 2	42D	1	1-71
ARRGT CONT RD DRV SHLD & REA HD LFT RG	43A	1	11-67
REAC UPR INTERNALS STRG SH 1	44A	4	6-71
REAC UPR INTERNALS STRG SH 2	44B	4	6-71
REAC LWR INTS STR ASSM DET SH 1	45A	3	3-71
REAC LWR INTS STR ASSM SH 2	45B	3	8-71
NEW FUEL RACKS GDE TUBE ASSEM	46A	2	4-70
			3-79
			3-79
MISC EQUIP SUPPS SH 1	48A	5	3-72
MISC EQUIP SUPPS SH 2	48B	5	3-72
MISC EQUIP SUPPS RWST OVERFLOW	48B1	2	2-77
MISC EQUIP SUPPS SH 3	48C	4	10-71
MISC EQUIP SUPPS SH 4	48D	2	12-70
MISC EQUIP SUPPS STRG SH 5	48E	3	1-72
SP FILTER RMVL SHLD & TLS SH 1	50A	3	7-71
SP FILTER RMVL SHLD & TLS SH 2	50B	3	7-71
STM GEN SUPP LWR RNG CASTING	51A	8	6-76
STM GEN SUPP LWR RNG LEG ASSY & DETS	51B	12	1-70
STM GEN SUPP LWR RNG	51C	4	6-76
STM GEN SUPP LWR RNG CLVS & TRNMT	51D	5	10-68
STM GEN SUPP UP RES SUPS	51E	6	12-68
STM GEN SUPP UP RES SUPS	51F	4	8-69
STM GEN SUPP ASSY	51G	4	7-78 –
STM GEN SUPP SNUBBER SYS	51H	4	12-69
STM GEN SUPP SNUBBER SYS	51J	4	12-69
STM GEN SUPP UP RES SUPS	51K	3	12-68
STM GEN SUPP UPR RES ANCR SYS	51L	6	1-70
STM GEN SUPP LWR RNG SUPP RD	51M	3	3-69
STM GEN SUPP UPR RES SNUB BOLT	51Q	3	7-78 –
STM GEN SUPP UPR RES SNUB BOLT SYS SH 2	51R	1	8-68
STM GEN SUPP CO ASS'Y	51S	4	12-74
PRESS SUPPORT SH 1	52A	3	7-68
PRESS SUPPORT SH 2	52B	5	7-78 –
PRESS SUPPORT SH 3	52C	2	6-69
REAC COOL PP SUPPS GEN ARRGT *	53A	6	7-78 –
REAC COOL PP SUPP DETS SH 1	53B	4	7-70
REAC COOL PP SUPP DETS SH 2	53C	4	7-70
REAC COOL PP SUPP DETS SH 3	53D	4	7-70
REAC COOL PP SUPP DETS SH 4	53E	3	12-70
REAC COOL PIPE REST SH 1	53F	3	12-70
REAC COOL PIPE REST SH 2	53G	3	7-70
REAC COOL PP SUPP DETS SH 5	53H	4	12-70
STM GEN MANHOLE REM FIX SH 1	54A	2	10-70
STM GEN MANHOLE REM FIX SH 2	54B	2	10-70
STM GEN MANHOLE REM FIX SH 3	54C	2	10-70
ARRGT INTK STRUCT SH 1	55A	6	3-70
ARRGT INTK STRUCT SH 2	55B	4	11-69

* SEE PP 37

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Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
ARRGT HIGH LVL INTK STRCT		56A	4	3-70
HT BAL DIAG MAX CALC LD		59A	3	3-71
HT BAL DIAG MAX GRNTD LD		59B	3	3-71
HT BAL DIAG 3/4 LD		59C	3	3-71
HT BAL DIAG 1/2 LD		59D	3	3-71
HT BAL DIAG 1/4 LD		59E	3	3-71
HT BAL DIAG MAX CALC LD		59F	2	3-71
HT BAL DIAG MAX GRNTD LD		59G	2	3-71
HT BAL DIAG 3/4 LD		59H	2	3-71
HT BAL DIAG 1/2 LD		59I	2	3-71
HT BAL DIAG 1/4 LD		59J	2	3-71
TURB DISMNTLG & LAY-DOWN ARRGT		61A	3	3-70
EQUIP HNDLG GEN STR		62A	3	9-69
VV OP NOS MN STM		64A	6	9-76
VV OP NOS EXTRAC STM		65A	5	2-78
VV OP NOS AUX STM & AIR REM	SH 1	66A	8	3-78
VV OP NOS AUX STM & AIR REM	SH 2	66B	4	6-72
VV OP NOS CONDENSATE		67A	8	3-76
VV OP NOS CONDENSATE TRUCK STA.		67B	1	2-76
VV OP NOS FEEDWATER		68A	5	7-75
VV OP NOS CRS-CON AUX FEED		68B	4	9-74
VV OP NOS MOIST SEP HP HTR DRNS & VNTS		69A	6	1-73
VV OP NOS LP HTR DRNS & VNTS		70A	8	2-79
VV OP NOS CIRC SERV WTR	SH 1	71A	5	2-78
VV OP NOS CIRC SERV WTR	SH 2	71B	7	9-74
VV OP NOS CMP COOLG WTR	SH 1	72A	5	2-73
VV OP NOS CMP COOLG WTR	SH 2	72B	7	9-76
VV OP NOS CMP COOLG WTR	SH 3	72C	7	11-76
VV OP NOS CMP COOLG WTR	SH 4	72D	6	2-73
VV OP NOS CMP COOLG WTR	SH 5	72E	6	11-76
VV OP NOS CMP COOLG WTR	SH 6	72F	6	2-73
VV OP NOS BEARING COOLG WTR		73A	7	2-78
VV OP NOS VAC PRMG		74A	8	1-79
VV OP NOS COMP AIR SYS	SH 1	75A	5	11-78
VV OP NOS COMP AIR SYS	SH 2	75B	4	2-79
VV OP NOS COMP AIR SYS	SH 3	75C	2	1-73
VV OP NOS COMP AIR SYS	SH 4	75D	3	8-76
VV OP NOS COMP AIR SYS	SH 5	75E	3	2-76
VV OP NOS COMP AIR SYS	SH 6	75F	2	2-73
VV OP NOS COMP AIR SYS	SH 7	75G	3	3-79
VV OP NOS LUBE OIL LNS		76A*	5	2-78
VV OP NUM FLSH EVAP SYS		77A	8	2-78
VV OP NUMBER MISC DRN-2NDY PLNT		78A	3	1-73
VV OP NOS BORON REC SYS	SH 1	79A	5	2-77
VV OP NOS BORON REC SYS	SH 2	79B	5	4-73
VV OP NOS BORON REC SYS	SH 3	79C	6	5-79
VV OP NOS BORON REC SYS	SH 4	79D	7	11-75
VV OP WASTE DISP SYS	SH 1	80A	7	5-79
*- VV OP NOS COMP AIR SYS	SH 8	75H	1	3-79

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Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
VV OP NOS WASTE DISP SYS	SH 2	80B	9	4-79
VV OP NOS WASTE DISP SYS	SH 3	80C	6	4-79
VV OP NOS FUEL PIT SYSTEMS		81A	3	5-73
VV OP NOS SMPLG SYS	SH 1	82A	4	4-73
VV OP NOS SMPLG SYS	SH 2	82B	7	12-76
VV OP NOS SMPLG SYS	SH 3	82C	4	11-76
VV OP NOS SMPLG SYS	SH 4	82D	1	12-76
VV OP NOS VNTS-DRNS	SH 1	83A	5	2-77
VV OP NOS VNTS-DRNS	SH 2	83B	5	4-73
VV OP NOS CONT & RECIRC SPRAY SYS		84A	9	6-79
VV OP NOS CONT VAC & LKG MONT		85A	3	4-73
VV OP NOS REAC COOLNT	SH 1	86A	3	3-72
VV OP NOS REAC COOLNT	SH 2	86B	4	3-72
VV OP NOS RES HT REMOVAL		87A	4	4-73
VV OP NOS CHEM & VOL CONT	SH 1	88A	5	3-72
VV OP NOS CHEM & VOL CONT	SH 2	88B	6	12-77
VV OP NOS CHEM & VOL CONT	SH 3	88C	5	12-77
VV OP NOS SFTY INJ SYS	SH 1	89A	11	9-78 –
VV OP NOS SFTY INJ SYS	SH 2	89B	6	3-77
VV OP NOS GAS WASTE DISP	SH 1	90A	5	4-73
VV OP NOS GAS WASTE DISP	SH 2	90B	6	3-78
VV OP NOS E.H. FL SYS & LUBE DIA		91A	2	8-76
FLW DIAG VENT & DRN SYS	SH 1	100A	17	2-77
FLW DIAG VENT & DRN SYS	SH 2	100B	12	4-73
FLW DIAG CONT & RECIRC SYS		101A	18	6-79
FLW DIAG CONT VAC & LKG MONT SYS		102A	13	4-73
FLW DIAG REAC COOL SYS	SH 1	103A	12	5-72
FLW DIAG REAC COOL SYS	SH 2	103B	9	5-72
FLW DIAG RES HT REM SYS		104A	11	4-72
FLW DIAG CHEM & VOL CONT SYS	SH 1	105A	15	5-72
FLW DIAG CHEM & VOL CONT SYS	SH 2	105B	17	12-77
FLW DIAG CHEM & VOL CONT SYS	SH 3	105C	11	8-77
FLW DIAG SFTY INJ SYS	SH 1	106A	21	9-78-
FLW FIAG SFTY INJ SYS	SH 2	106B	14	3-77
FLW & VV NOS RWST CROSSTIE		106C	1	11-76
FLW DIAG GAS WST DISP SYS	SH 1	107A	9	4-73
FLW DIAG GAS WST DISP SYS	SH 2	107B	10	3-78
REAC SUP & NUET SHLD TK TEMP	SH 1	109A	6	4-69
REAC SUP & NUET SHLD TK TEMP	SH 2	109B	7	4-69
REAC VESSEL SLDG FT ASSY FIX		109C	3	7-68
PRIM SHIELD WIR CLR	SH 1	111A	1	10-68
PRIM SHIELD WIR CLR	SH 2	111B	2	2-69
FLW DIAG COND TUBE CLNG		112A	4	1-72
VV OP NOS COND TUBE CLNG		113A	3	4-72
FLW DIAG REAC CAV-PURIF SYS		114A	10	6-79
FLW DIAG TURB GLAND STM		115A	6	7-72
FLW DIAG CHEM CLNG		116A	6	4-73

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VV OP NOS TURB GLND STM	117A	4	4-72
VV OP NOS REAC CAV PURIF	118A	5	6-72
ACCESS HATCH INCORE INSTR	119A	4	6-70
STRMG SHLDS MN COOLNT PPG	120A	4	7-71
FLW DIAG CHEM FEED SYS	121A	10	6-79
FLW DIAG STM GEN BLOWDOWN	122A	7	10-76
VV OP NOS CHEM FEED	123A	3	3-73
VV OP NOS STM GEN BLOWDOWN	124A	4	10-76
NEUT DETECT CARR INSTL ARRGT	125A	2	2-70
NEUT DETECT CARR ASSY & DETS	125B	3	9-70
FLW DIAG RAD MON SYS CIRC & SER WTR	126A	8	4-76
PRESS SURGE LNE REST SH 1	127A	3	12-69
PRESS SURGE LNE REST SH 2	127B	4	9-71
FLW DIAG DECON SYS	128A	7	9-77
VV OP NOS DECON SYS	129A	4	9-77
VV OP NOS RAD NON SYS CIRC & SER WTR	130A	4	4-76
REAC HD STRG ASS'Y DETS SH 1	131A	4	7-71
REAC HD STRG DET SH 2	131B	3	7-71
REAC HD STRG DET SH 3	131C	2	6-71
REAC CAV WTR SEAL HNDLG & STRG	132A	2	5-71
LWR SUPP NEUT SHLD SH 1	133A	2	6-71
LWR SUPP NEUT SHLD SH 2	133B	2	6-71
SPENT FUEL POOL CASK PAD	134A	5	5-73
RESTRNT-RECIRC SPRAY COOLR	135A	1	10-71
LO-LEV INTAKE FISH SCREEN WASH SYSTEM	136A	1	3-77
* REAC COOL PP SUPP TAB	53A1	1	7-78 -

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CLASSIFICATION PIPING SYSTEM FP

Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
MN STM REAC CONT (EL. 38')	SH 1	1A	10	12-71
MN STM REAC CONT TO TURB	SH 1	1B	12	11-75
MN STM REAC CONT TO TURB	SH 2	1C	7	1-75
MN STM TURB BYPASS & REHT LNS	SH 1	1D	9	10-74
MN STM TURB BYPASS & REHT LNS	SH 2	1E	5	7-70
MN STM TURB BYPASS & REHT LNS	SH 3	1F	8	7-70
SLDG PP SUPP ASSM & DETS-MN STM & FD WTR	SH 1	1G	9	4-71
SLDG PP SUPP ASSM & DETS-MN STM & FD WTR	SH 2	1H	5	2-71
MN STM HANGER DETS	SH 1	1J	5	4-70
MN STM HANGER DETS	SH 2	1K	6	8-71
MN STM HANGER DETS	SH 3	1L	9	10-74
MN STM HANGER DETS	SH 4	1M	7	8-71
MN STM HANGER DETS	SH 5	1N	4	12-71
STM GEN FD WTR REAC CONT	SH 1	2A	10	5-74
STM GEN FD WTR REAC CONT (EL. 47'-4")	SH 2	2B	7	7-78
STM GEN FD WTR LNS REAC CONT TO TURB (EL.37')	SH 3	2C	6	1-71
STM GEN FD WTR LNS REAC CONT TO TURB	SH 2	2D	7	5-70
STM GEN FD WTR LNS REAC CONT TO TURB	SH 3	2E	6	5-70
STM GEN FD WTR HANGER DETS	SH 1	2F	5	10-71
STM GEN FD WTR HANGER DETS	SH 2	2G	5	9-71
STM GEN FD WTR HANGER DETS	SH 3	2H	4	7-78
AUX STM GEN FD WTR LNS	SH 1	2J	7	12-71
AUX STM GEN FD WTR LNS	SH 2	2K	3	10-69
AUX STM GEN FD WTR LNS	SH 3	2L	2	5-74
AUX STM GEN FD WTR LNS	SH 4	2M	2	5-74
AUX STM GEN FD WTR LNS	SH 5	2N	3	5-74
AUX STM GEN FD WTR LNS	SH 6	2P	2	5-74
REAC CONT ANNULUS PP (EL.-27' to-18'North)	SH 1	3A	8	9-76
REAC CONT ANNULUS PP (EL.-27' to-18'South)	SH 2	3B	10	10-71
REAC CONT ANNULUS PP (EL.-15' North)	SH 3	3C	5	10-71
REAC CONT ANNULUS PP (EL.-15' South)	SH 4	3D	10	10-71
REAC CONT ANNULUS PP (EL.-13' North)	SH 5	3E	9	10-71
REAC CONT ANNULUS PP (EL.-13' South)	SH 6	3F	9	7-78
REAC CONT ANNULUS PP (EL.-10' North)	SH 7	3G	8	9-71
REAC CONT ANNULUS PP (EL.-10' South)	SH 8	3H	9	7-78
REAC CONT ANNULUS PP (EL.-7' & Above, North)	SH 9	3J	8	9-71
REAC CONT ANNULUS PP (EL.-7' & Above, South)	SH 10	3K	7	10-70
REAC CONT ANNULUS PP	SH 11	3L	7	10-70
REAC CONT ANNULUS PP	SH 12	3M	9	12-75
REAC CONT ANNULUS PP	SH 13	3N	9	6-79
REAC CONT ANNULUS PP	SH 14	3P	6	10-70
REAC CONT ANNULUS PP	SH 15	3Q	7	1-71
REAC CONT ANNULUS PP	SH 16	3R	8	9-71
REAC CONT ANNULUS PP	SH 17	3S	7	1-71
REAC CONT CUB NO. 1 PP	SH 1	3T	6	7-78
REAC CONT CUB NO. 1 PP	SH 2	3U	5	10-70
REAC CONT CUB NO. 2 PP	SH 1	3W	5	10-70
REAC CONT CUB NO. 2 PP	SH 2	3X	5	10-70

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REAC CONT CUB NO. 3 PP	SH 1	3Y	5	10-70
REAC CONT CUB NO. 3 PP	SH 2	3Z	5	10-70
REAC CONT CUB NO. 3 PP	SH 3	3AA	6	10-70
REAC CONT CUB NO. 2 PP	SH 3	3BB	4	10-70
REAC CONT CUB NO. 1 PP	SH 3	3CC	4	10-70
REAC CONT ANNULUS PP-PP SUPP DETS	SH 1	3DD	1	10-70
SERV WTR LNS	SH 1	4A	9	4-70
SERV WTR LNS	SH 2	4B	7	4-70
SERV WTR LNS	SH 3	4C	7	8-71
SERV WTR LNS	SH 4	4D	9	8-71
SERV WTR INTK STRUCT TO HGH LEV CANAL		4E	4	2-70
SERV WTR LNS	SH 6	4F	6	4-76
YD PP - S W REAC CONT	SH 1	5A	~~9~~ 12	~~12-75~~ 9-77
YD PP - S W REAC CONT	SH 2	5B	~~8~~ 11	~~12-76~~ 6-77
YD PP - S W REAC CONT (EL. 27' 6")	SH 3	5C	6	9-76
YD PP - S W REAC CONT (EL. 11' 6")	SH 4	5D	~~9~~ 10	~~2-78~~ 9-77
YD PP - S W REAC CONT	SH 5	5E	~~9~~ 10	~~12-75~~ 9-77
YD PP - S W REAC CONT	SH 6	5F	6	8-72
YD PP - S W REAC CONT	SH 7	5G	8	5-74
COMP GAS SUPPLY STA YD PP - S W (EL. 27')	SH 8	5H	4	9-75 -
YD PP - S W REAC CONT	SH 9	5J	1	8-72
YD PP - NORTH REAC CONT	SH 1	6A	4	8-70
YD PP - NORTH REAC CONT (EL. 26' 6")	SH 2	6B	4	8-70
YD PP - NORTH REAC CONT	SH 3	6C	4	8-70
YD PP - NORTH REAC CONT	SH 4	6D	4	8-70
YD PP - NORTH REAC CONT	SH 5	6E	5	11-70
YD PP - NORTH REAC CONT	SH 6	6F	3	8-70
MISC PP-REAC CONT AUX BLDG TUNNEL-UNIT 1	SH 1	7A	8	8-72
MISC PP-REAC CONT AUX BLDG TUNNEL-UNIT 1	SH 2	7B	7	8-72
MISC PP-REAC CONT AUX BLDG TUNNEL-UNIT 1	SH 3	7C	4	8-72
REAC COOL PP (EL. 16' & 18' 4")	SH 1	8A	9	12-70
REAC COOL PP	SH 2	8B	8	12-70
PRESS SPRY SFTY & REL TANK PP(EL.18'4"&Above)	SH 1	9A	9	7-78
PRESS SPRY SFTY & REL TANK PP(EL. 12'&Above)	SH 2	9B	7	10-71
PRESS SPRY SFTY & REL TANK PP-HANGER DETS	SH 1	9C	7	10-71
PRESS SPRY SFTY & REL TANK PP-HANGER DETS	SH 2	9D	7	2-72
PRESS SPRY SFTY & REL TANK PP SUPP TABS & DET	SH 3	9E	2	7-78
PRESS SPRY SFTY & REL TANK PP SUPP DETS	SH 4	9F	1	10-71
CHEM & VOL CONTROL-HGH HD SFTY INJ SYS AUX	SH 1	10A	5	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 2	10B	5	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 3	10C	10	6-76
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 4	10D	6	12-75
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 5	10E	7	1-76
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 6	10F	7	1-76
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 7	10G	5	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 8	10H	5	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 9	10J	7	1-76
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG	SH 10	10K	2	8-71

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CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG SH 11	10L	4	8-71
CHEM&VOL CONTROL SYS - REAC CONT SH 1	10M	5	11-70
CHEM & VOL CONTROL SYS REAC CONT(EL. 18'&-3') SH 2	10N	7	8-71
CHEM & VOL CONTROL SYS REAC CONT SH 3	10P	6	8-71
CHEM & VOL CONTROL SYS REAC CONT SH 4	10Q	7	3-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG SH 1	10R	9	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG SH 2	10S	9	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG SH 1	10T	8	8-71
CHEM&VOL CONTROL-HGH HD SFTY INJ SYS AUX BLDG SH 2	10U	8	8-71
CHEM&VOL CONTROL PP SUPP NOTES & TAB SH 1	10W	5	10-71
CHEM&VOL CONTROL PP SUPP DETS SH 2	10X	5	10-71
CHEM&VOL CONTROL PP SUPP DETS SH 3	10Y	1	3-71
CHEM&VOL CONTROL PP SUPP DETS SH 4	10Z	2	10-71
LOW HD SFTY INJ REAC CONT SH 1	11A	7	7-78 -
LOW HD SFTY INJ REAC CONT SH 2	11B	8	7-78 -
RESIDUAL HT REMOVAL SYS SH 1	12A	10	10-71
RESIDUAL HT REMOVAL SYS SH 2	12B	9	6-71
RESIDUAL HT REMOVAL SYS SH 3	12C	2	11-70
RESIDUAL HT REMOVAL SYS SH 4	12D	2	7-78 -
RESIDUAL HT REMOVAL SYS SH 5	12E	2	10-71
CONT. & RECIRC SPRY SYS (EL. 79' Below) SH 1	13A	10	9-71
CONT & RECIRC SPRY SYS (EL. 79' Below) SH 2	13B	4	9-71
CONT & RECIRC SPRY SYS (EL. 79' Above) SH 3	13C	5	7-70
CONT & RECIRC SPRY SYS SH 4	13D	10	3-72
CONT & RECIRC SPRY SYS-HANGERS SH 1	13E	7	3-72
CONT & RECIRC SPRY SYS-HANGERS SH 2	13F	9	3-72
CONT & RECIRC SPRY SYS-HANGERS SH 3	13G	3	3-72
CONT & RECIRC SPRY SYS-HANGERS SH 6	13H	2	3-72
BORON RECOVERY SYS (EL. 2') SH 1	14A	5	3-71
BORON RECOVERY SYS SH 2	14B	5	3-71
BORON RECOVERY SYS SH 3	14C	5	3-71
BORON RECOVERY SYS (EL. 15') SH 4	14D	4	3-71
BORON RECOVERY SYS SH 5	14E	4	3-71
BORON RECOVERY SYS (EL. 15') SH 6	14F	6	3-71
BORON RECOVERY SYS SH 7	14G	6	3-71
BORON RECOVERY SYS SH 8	14H	4	3-71
BORON RECOVERY SYS (EL. 2') SH 9	14J	4	3-71
BORON RECOVERY SYS (EL. 13' & EL. 27' 6") SH 10	14K	4	3-71
SPENT FUEL PIT COOL(EL.47'4"&Below EL.30' 3") SH 1	15A	6	11-70
SPENT FUEL PIT COOL SH 2	15B	6	11-70
SPENT FUEL PIT COOL(EL.47'4"&45'10") SH 3	15C	6	11-70
SPENT FUEL PIT COOL SH 4	15D	6	11-70
SPENT FUEL PIT COOL SH 5	15E	5	11-70
SPENT FUEL PIT COOL SH 6	15F	5	11-70
COMP COOL WTR SYS AUX BLDG(EL. 2') SH 1	16A	7 ✓	6-78 -
COMP COOL WTR SYS AUX BLDG(EL. 2') SH 2	16B	6 ✓	9-70
COMP COOL WTR SYS AUX BLDG(EL. 13') SH 3	16C	4 ✓	6-70
COMP COOL WTR SYS AUX BLDG SH 4	16D	4 ✓	6-70

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COMP COOL WTR SYS AUX BLDG	SH 5	16E	5	6-70
COMP COOL WTR SYS AUX BLDG	SH 6	16F	5	9-70
COMP COOL WTR PP-TURB RM		16G	3	8-69
18"-CC WTR HDRS TUNN-UNIT 1-AUX BLDG TO REAC CONT		16H	6	6-78
COMP COOL WTR SYS AUX BLDG TUNN No. 1	SH 1	16J	7	6-78
COMP COOL WTR SYS AUX BLDG TUNN No. 1	SH 2	16K	6	10-70
18"-CC WTR HDRS TUNN-UNIT 2-AUX BLDG TO REAC CONT		16L	5	6-70
COMP COOL WTR SYS AUX BLDG TUNN No. 2	SH 1	16M	6	6-78
COMP COOL WTR SYS AUX BLDG TUNN No. 2	SH 2	16N	4	10-70
COMP COOL WTR SYS AUX BLDG	SH 7	16P	4	9-70
COMP COOL WTR SYS AUX BLDG	SH 8	16Q	4	11-76
SAMPLING SYS REAC CONT	SH 1	17A	4	11-70
SAMPLING SYS AUX BLDG (EL. 2')	SH 1	17B	5	11-76
SAMPLING SYS AUX BLDG	SH 2	17C	4	11-70
SAMPLING SYS AUX BLDG	SH 3	17D	3	4-71
SAMPLING SYS AUX BLDG	SH 4	17E	3	4-71
SAMPLING SYS AUX BLDG.	SH 5	17F	4	4-71
SAMPLING SYS AUX BLDG	SH 6	17G	4	4-71
WASTE DISP SYS SOLID & LIQ AUX BLDG (EL. 15')	SH 1	18A	6	11-75
WASTE DISP SYS SOLID & LIQ AUX BLDG (EL. 2')	SH 2	18B	6	11-75
WASTE DISP SYS SOLID & LIQ AUX BLDG	SH 3	18C	5	8-71
WASTE DISP SYS SOLID & LIQ AUX BLDG	SH 4	18D	4	8-71
WASTE DISP SYS SOLID & LIQ AUX BLDG	SH 5	18E	6	8-71
WASTE DISP SYS GAS AUX BLDG (EL. 27' 6")	SH 1	18F	5	8-71
WASTE DISP SYS GAS AUX BLDG	SH 2	18G	6	3-78
WASTE DISP SYS GAS AUX BLDG (EL. 13')	SH 3	18H	5	8-71
WASTE DISP SYS GAS AUX BLDG PP SUPP DETS		18J	1	5-70
WASTE DISP SYS GAS AUX BLDG PP SUPP DETS		18K	2	6-70
AUX BLDG PP	SH 1	19A	7	5-71
AUX BLDG PP (EL. 13')	SH 2	19B	5	4-71
AUX BLDG PP (EL. 2')	SH 3	19C	6	4-71
AUX BLDG PP (EL. 2')	SH 4	19D	5	4-71
AUX BLDG PP (EL. 13')	SH 5	19E	4	4-71
AUX BLDG PP (EL. 13')	SH 6	19F	5	4-71
AUX BLDG PP (EL 13')	SH 7	19G	5	4-71
AUX BLDG PP (EL. 13')	SH 8	19H	5	4-71
AUX BLDG PP (EL. 27' 6")	SH 9	19J	7	8-72
AUX BLDG PP (EL. 27' 6")	SH 10	19K	5	5-72
AUX BLDG PP (EL. 27' 6")	SH 11	19L	4	4-71
AUX BLDG PP (EL. 27' 6")	SH 12	19M	4	4-71
AUX BLDG PP (EL. 13') (EL. 2')	SH 13	19N	5	4-71
MISC PP-REAC CONT AUX BLDG TUNN-UNIT 2	SH 1	20A	5	8-72
MISC PP-REAC CONT AUX BLDG TUNN-UNIT 2	SH 2	20B	5	8-72
MISC PP-REAC CONT AUX BLDG TUNN-UNIT 2	SH 3	20C	2	1-70
TEMPORARY STRAINERS		21A	7	2-71
THIM LOCAT PLAN REAC CONT	SH 1	22A	6	4-70
THIM LOCAT PLAN REAC CONT (EL. 18'4"&Above)	SH 2	22B	4	5-69
THIM LOCAT PLAN REAC CONT	SH 3	22C	1	1-69

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THIM LOCAT PLAN REAC CONT	SH 4	22D	7	3-71
THIM LOCAT PLAN AUX BLDG(EL. 2')	SH 1	23A	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 2')	SH 2	23B	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 2')	SH 3	23C	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 2')	SH 4	23D	2	7-70
THIM LOCAT PLAN AUX BLDG(EL. 13')	SH 5	23E	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 13')	SH 6	23F	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 13')	SH 7	23G	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 13')	SH 8	23H	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 27'6")	SH 9	23J	2	7-70
THIM LOCAT PLAN AUX BLDG(EL. 27'6")	SH 10	23K	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 27'6")	SH 11	23L	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 27'6")	SH 12	23M	1	3-70
THIM LOCAT PLAN AUX BLDG(EL. 37'&45'10")	SH 13	23N	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 14	23P	1	3-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 15	23Q	1	3-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 16	23R	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 17	23S	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 18	23T	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 19	23U	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 20	23V	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 21	23W	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 22	23X	2	7-70
THIM LOCAT PLAN AUX BLDG SCHED DATA	SH 23	23Y	2	7-70
VV EXTEN STEM LAYOUT DETS	SH 1	24A	1	4-70
VV EXTEN STEM LAYOUT DETS	SH 2	24B	1	4-70
VV EXTEN STEM LAYOUT AUX BLDG SCHED DATA	SH 3	24C	1	4-70
VV EXTEN STEM LAYOUT AUX BLDG SCHED DATA	SH 4	24D	1	4-70
VV EXTEN STEM LAYOUT AUX BLDG SCHED DATA	SH 5	24E	1	4-70
VV EXTEN STEM LAYOUT AUX BLDG SCHED DATA	SH 6	24F	1	4-70
VV EXTEN STEM LAYOUT AUX BLDG SCHED DATA	SH 7	24G	2	11-70
MISC PP PROC VENTS (EL. 63')		25A	2	7-69
MISC PP REAC CAVITY WALL PEN		25B	3	1-73
MISC PP PRI WTR COOLERS (EL. 29'7")	SH 1	25C	3	10-70
MISC PP PRI SHIELDS WTR COOLERS	SH 2	25D	3	10-70
MISC PP PRI SHIELDS WTR COOLERS (EL. 8'-3")	SH 3	25E	2	6-70
CIRC WTR LNS	SH 1	26A	8	11-77
CIRC WTR LNS	SH 2	26B	3	6-70
CONDENSER TUBE CLEANING	SH 1	27A	4	8-70
CONDENSER TUBE CLEANING	SH 2	27B	2	2-70
CHILLED WTR LNS	SH 1	28A	7	8-70
CHILLED WTR LNS	SH 2	28B	6	4-70
1ST & 2ND PT EXTRACT STM LNS	SH 1	29A	8	8-70
1ST & 2ND PT EXTRACT STM LNS	SH 2	29B	6	2-70
3RD & 4TH PT EXTRACT STM LNS		30A	7	8-70
5TH & 6TH PT EXTRACT STM LNS	SH 1	31A	6	11-70
5TH & 6TH PT EXTRACT STM LNS	SH 2	31B	5	10-69
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AUX STM LNS	SH 2	32B	7	12-70
TURB BLDG HANGER MODS CONDENSATE PP	SH 1	33A	11	10-74
TURB BLDG HANGER MODS CONDENSATE PP	SH 2	33B	8	10-74
CONDENSATE PP	SH 3	33C	7	11-70
CONDENSATE PP	SH 4	33D	9	11-70
CONDENSATE PP	SH 5	33E	11	2-79
CONDENSATE PP	SH 6	33F	9	8-70
TURB BLDG HANGER MOD CONDENSATE PP	SH 7	33G	12	10-74
CONDENSATE PP	SH 8	33H	10	12-71
AIR REMOVAL LNS		34A	3	3-69
TURB BLDG HANGER MOD HP HTR DRAIN LNS	SH 1	36A	8	10-74
HP HTR DRAIN LNS	SH 2	36B	6	1-71
TURB HANGER MODS LP HTR DRAIN LNS	SH 1	37A	10	3-75
TURB HANGER MODS LP HTR DRAIN LNS	SH 2	37B	10	3-75
HTR REL LNS	SH 1	38A	2	9-69
HTR REL LNS	SH 2	38B	3	2-70
MOIST SEP&REHTR DRAIN LNS	SH 1	39A	6	3-75
MOIST SEP&REHTR DRAIN LNS	SH 2	39B	5	4-71
MOIST SEP&REHTR DRAIN LNS	SH 3	39C	5	4-71
TURB GLAND STM LNS	SH 1	41A	5	2-71
TURB GLAND STM LNS	SH 2	41B	5	2-71
EJECT VENTS & MISC S.V. DISCHG LNS	SH 1	42A	7	2-71
EJECT VENTS & MISC S.V.. DISCHG LNS	SH 2	42B	6	2-71
HTR VENT LNS	SH 1	43A	4	11-70
HTR VENT LNS	SH 2	43B	4	11-70
HTR VENT LNS	SH 3	43C	4	11-70
COOL WTR SYS	SH 1	44A	8	6-75
COOL WTR SYS	SH 2	44B	6	10-70
COOL WTR SYS	SH 3	44C	7	10-70
COOL WTR SYS	SH 4	44D	7	10-70
HGH PRESS DRIP LNS	SH 1	45A	4	7-70
HGH PRESS DRIP LNS	SH 2	45B	4	7-70
LOW PRESS DRIP LNS	SH 1	46A	5	1-71
LOW PRESS DRIP LNS	SH 2	46B	5	1-71
MISC PP AT TURB	SH 1	47A	2	2-70
MISC PP AT TURB	SH 2	47B	2	2-70
VAC PRIM LNS	SH 1	48A	5	2-70
VAC PRIM LNS	SH 2	48B	4	10-69
SFTY VV INLET & DISCHG REHT STM LNS	SH 1	49A	3	6-69
SFTY VV INLET & DISCHG REHT STM LNS	SH 2	49B	3	6-69
COMPRESS AIR LNS AT COMPRESSOR		50A	3	11-78
COMPRESS AIR LNS	SH 1	51A	2	9-69
COMPRESS AIR LNS	SH 2	51B	2	9-69
COMPRESS AIR LNS CONT TEST	SH 3	51C	2	11-71
COMPRESS AIR LNS CONT TEST EQUIP		51D	1	11-71
LUBRICATING OIL LNS	SH 1	52A	5	9-76
LUBRICATING OIL LNS	SH 2	52B	4	9-76
LUBRICATING OIL LNS	SH 3	52C	2	9-69

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FLASH EVAP LNS (EL. 29'6")(EL. 9'6")	SH 1	53A	10	1-73
FLASH EVAP LNS	SH 2	53B	10	1-73
FLASH EVAP LNS	SH 3	53C	7	12-71
SAMPLE LNS	SH 1	54A	2	2-70
SAMPLE LNS	SH 2	54B	6	4-71
HYDROGEN & CO_2 LNS		55A	2	11-70
CHEM FD LNS		56A	2	5-70
CHEM CLEANING LNS		57A	3	8-70
THIM LOCAT PLAN TURB RM	SH 1	58A	5	1-70
THIM LOCAT PLAN TURB RM (EL. 58'6")	SH 2	58B	3	1-70
PP & EQUIP ASSEM TURB AREA	SH 1	59A	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 2	59B	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 3	59C	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 4	59D	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 5	59E	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 6	59F	1	7-69
PP & EQUIP ASSEM TURB AREA	SH 7	59G	1	7-69
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 1	60A	15	~~5-78~~ - 9/74
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 2	60B	~~14~~ 15	1/75 ~~5-78~~ -
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 3	60C	~~7~~ 9	~~5-78~~ - 2/76
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 4	60D	~~9~~ 11	~~5-78~~ - 2/76
CONT RECIRC SPRY & LOW HD SFTY INJ VV EXT STEMS		60E	4	~~5-78~~ - 2/76
CONT RECIRC SPRY & LOW HD SFTY INJ VV LEAK-OFF LNS		60F	9	~~5-78~~ - 2/76
CONT RECIRC SPRY&LOW HD SFTY INJ PUMP PP SUPP	SH 1	60G	2	9-72
STM GEN BLOWDOWN SYS	SH 1	61A	9	1-72
STM GEN BLOWDOWN SYS	SH 2	61B	7	12-71
MISC PP-HGH LEVEL INT STRUCT		66A	3	2-70
VAC PRIM CIRC WTR INT LNS	SH 1	67A	3	2-70
VAC PRIM CIRC WTR INT LNS	SH 2	67B	3	2-70
VAC PRIM CIRC WTR DISCHG TUNN		68A	3	3-70
EMERGENCY GEN PP		69A	4	6-76
PEN & THIM LOCAT ATTACH BLDG S W REAC CONT	SH 1	70A	5	4-70
PEN & THIM LOCAT ATTACH BLDG S W REAC CONT	SH 2	70B	5	4-70
PEN & THIM LOCAT ATTACH BLDG S W REAC CONT	SH 3	70C	5	4-70
MISC PP INT STRUCT		71A	2	12-69
MISC PP INT STRUCT		71B	1	12-69
DECONT BLDG PP (EL. 14'3" & 23')	SH 1	72A	2	6-72
DECONT BLDG PP (EL. 6'10")	SH 2	72B	2	6-72
DECONT BLDG PP	SH 3	72C	2	6-72
PP ASSEM AUX BLDG (EL. 2')	SH 1	73A	2	8-70
PP ASSEM AUX BLDG	SH 2	73B	2	8-70
PP ASSEM AUX BLDG	SH 3	73C	2	8-70
PP ASSEM AUX BLDG	SH 4	73D	2	8-70
PP ASSEM AUX BLDG	SH 5	73E	2	8-70
PP ASSEM AUX BLDG	SH 6	73F	2	8-70
PP ASSEM AUX BLDG	SH 7	73G	2	8-70
PP ASSEM AUX BLDG (EL. 2')	SH 8	73H	1	7-70
PP ASSEM AUX BLDG	SH 9	73J	1	7-70

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PP ASSEM AUX BLDG	SH 10	73K	1	7-70
REFUEL WTR PURIF&FUEL PIT MAKE-UP SUB SYS	SH 1	74A	1	5-71
REFUEL WTR PURIF&FUEL PIT MAKE-UP SUB SYS	SH 2	74B	1	5-71
HYDROGEN REMOVAL LN	SH 1	75A	3	4-72
HYDROGEN REMOVAL LN	SH 2	75B	1	4-72

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REST OPER AREA	SH 1	1A	1	6-71
REST OPER AREA	SH 2	1B	1	6-71
REST OPER AREA	SH 3	1C	1	6-71
REST OPER AREA	SH 4	1D	1	6-71
REST OPER AREA	SH 5	1E	1	6-71
REST OPER AREA	SH 6	1F	1	6-71
REST OPER AREA	SH 7	1G	1	6-71
REST OPER AREA	SH 8	1H	1	6-71
REST OPER AREA	SH 9	1J	1	6-71
REST OPER AREA	SH 10	1K	1	6-71
REST OPER AREA	SH 11	1L	1	6-71
REST OPER AREA	SH 12	1M	1	6-71
REST OPER AREA	SH 13	1N	1	6-71
REST OPER AREA	SH 14	1P	1	6-71
REST OPER AREA	SH 15	1Q	1	6-71
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MOD SFTY INJ SYS REAC CONT NO. 1	SH 1	3A	3	1-72
MOD SFTY INJ SYS REAC CONT NO. 1	SH 1	3B	2	1-72
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NEW FUEL RKS		46B	1	2-69
NEW FUEL RKS		46C	1	2-69
NEW FUEL RKS		46D	1	2-69
NEW FUEL RKS		46E	1	2-69
REAC COOL PP (LOOP A)		100A	1	10-68
REAC COOL PP (LOOP A)		100B	1	10-68
REAC COOL PP (LOOP A)		100C1	1	10-68
REAC COOL PP (LOOP A)		100C2	1	10-68
MN STM PP (LOOP A)		100D	3	8-71
MN STM PP (LOOP A)		100E	2	10-68
MN STM PP (LOOP A)		100F1	2	10-68
MN STM PP (LOOP A)		100F2	2	8-71
MN STM PP (LOOP A)		100F3	1	8-71
STM GEN FD WTR (LOOP A)		100G	2	10-68
STM GEN FD WTR (LOOP A)		100H	2	10-68
STM GEN FD WTR (LOOP A)		100J1	2	10-68
STM GEN FD WTR (LOOP A)		100J2	2	8-71
STM GEN FD WTR (LOOP A)		100J3	2	9-71
REAC COOL PP (LOOP B)		101A	1	10-68
REAC COOL PP (LOOP B)		101B	1	10-68
REAC COOL PP (LOOP B)		101C1	1	10-68
REAC COOL PP (LOOP B)		101C2	1	10-68
MN STM PP (LOOP B)		101D	3	8-71
MN STM PP (LOOP B)		101E	3	8-71
MN STM PP (LOOP B)		101F1	3	8-71
MN STM PP (LOOP B)		101F2	2	8-71
MN STM PP (LOOP B)		101F3	1	8-71
STM GEN FD WTR (LOOP B)		101G	2	10-68

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STM GEN FD WTR (LOOP B)	101H	2	10-68
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STM GEN FD WTR (LOOP B)	101J2	2	8-71
STM GEN FD WTR (LOOP B)	101J3	1	8-71
REAC COOL PP (LOOP C)	102A	1	10-68
REAC COOL PP (LOOP C)	102B	1	10-68
REAC COOL PP (LOOP C)	102C1	1	10-68
REAC COOL PP (LOOP C)	102C2	1	10-68
MN STM PP (LOOP C)	102D	2	10-68
MN STM PP (LOOP C)	102E	2	10-68
MN STM PP (LOOP C)	102F1	2	10-68
MN STM PP (LOOP C)	102F2	2	8-71
MN STM PP (LOOP C)	102F3	1	8-71
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STM GEN FD WTR (LOOP C)	102H	2	10-68
STM GEN FD WTR (LOOP C)	102J1	2	10-68
STM GEN FD WTR (LOOP C)	102J2	2	8-71
STM GEN FD WTR (LOOP C)	102J3	1	8-71
STM GEN FD WTR REAC CONT (FP-2K) SH 1	102K	1	5-70
MN STM LNS(OUTSIDE CONT WALL)	103A	6	8-71
MN STM LNS(OUTSIDE CONT WALL)	103B	2	6-68
MN STM LNS(OUTSIDE CONT WALL)	103C	4	11-69
MN STM LNS(OUTSIDE CONT WALL)	103D	4	11-69
MN STM LNS(OUTSIDE CONT WALL)	103E	2	6-68
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MN STM LNS FROM CONT WALL TO TURB	103G	3	3-71
MN STM LNS FROM CONT WALL TO TURB	103H	1	5-68
MN STM LNS OUTSIDE CONT WALL	103J	2	8-71
STM GEN FD WTR FROM 18" MAN TO CONT VESSEL	104A	1	3-68
STM GEN FD WTR FROM 18" MAN TO CONT WALL	104A1	1	3-68
STM GEN FD WTR FROM 18" MAN TO CONT WALL	104A2	1	3-68
STM GEN FD WTR FROM 18" MAN TO CONT VESSEL	104A3	1	3-68
STM GEN FD WTR FROM HTRS TO 18" MAN	104B	1	3-68
STM GEN FD WTR FROM HTRS TO 18" MAN	104B1	1	3-68
STM GEN FD WTR FROM HTRS TO 18" MAN	104B2	1	3-68
STM GEN FD WTR FROM PUMPS TO HTRS	104C	1	3-68
STM GEN FD WTR FROM PUMPS TO HTRS	104C1	1	3-68
STM GEN FD WTR FROM PUMPS TO HTRS	104C2	1	3-68
FD WTR FROM PUMPS TO COND	* 104D1	2	5-72
STM GEN FD WTR FROM PUMPS TO COND	104D2	2	5-72
STM GEN FD WTR PP	104D2-2	2	5-72
STM GEN FD WTR FROM PUMPS TO COND	104D3	1	5-72
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2ND PT EXTRAC STM LN	106B	2	1-68
3RD PT EXTRAC STM LN(EXHAUST #1)	107A	1	1-68
3RD PT EXTRAC STM LN(EXHAUST #1)	107B	1	1-68

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4TH PT EXTRAC STM LN EXHAUST 2	108B	2	12-67
4TH PT EXTRAC LN	108C	4	1-69
5TH PT EXTRAC LN-22" EXPAN JT	109A	2	1-69
6TH PT EXTRAC TO FLASH EVAP	110A	1	5-5B
6TH PT EXTRAC TO FLASH EVAP	110B	1	5-5B
6TH PT EXTRAC TO FLASH EVAP	110C	1	5-5B
6TH PT EXTRAC TO FLASH EVAP	110D	1	5-6B
6TH PT EXTRAC LN-26" EXPAN JT	110E	2	1-69
6TH PT EXTRAC LN-SLDG SUPP	110F	1	5-6B
6TH PT EXTRAC LN-FLEX SEAL	110G	2	1-69
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MS TURB BYPASS&REHT ANCHORS	111A2	1	6-6B
MS TURB BYPASS&REHT ANCHORS	111A3	1	
MS TURB BYPASS&REHT ANCHORS	111A4	1	
MS TURB BYPASS&REHT 14"STM FROM 36"MAN TO ANCHOR	111B1	1	
MS TURB BYPASS&REHT 14" STM FROM 36" HDR	111B2	1	
MS TURB BYPASS&REHT 14"STM FROM 36"MAN TO ANCHOR	111B3	1	
MS TURB BYPASS&REHT 14"STM FROM 36" HDR	111B4	1	
MS TURB BYPASS&REHT FROM ANCHOR	111C1	1	
MS TURB BYPASS&REHT FROM A7	111C2	1	
MS TURB BYPASS FROM A7.	111C3	1	
MS TURB BYPASS&REHT MOIST SEP TO COND	111C4	1	
MS TURB BYPASS&REHT 8"LN FROM ANCHOR TO MOIST SEP	111D1	1	
8" LN FROM ANCHOR TO MOIST SEP	111D2	1	
8" LN FROM ANCHOR TO MOIST SEP	111D3	1	
8" LN FROM ANCHOR TO MOIST SEP	111D4	1	
MS TURB BYPASS&REHT FROM ANCHOR TO COND	111E1	1	
MS ANCHOR AT COL T-27 TO COND	111E2	1	
MS TURB BYPASS&REHT ANCHOR TO COND	111F1	1	
MS ANCHOR AT COL T-12 TO COND	111F2	1	
MS TURB BYPASS&REHT ANCHOR TO COND	111F3	1	6-6B
MS ANCHOR AT COL T-12 TO COND	111F4	1	6-6B
MS TURB BYPASS&REHT TO MOIST SEP	111G1	1	6-6B
MS TURB BYPSSS&REHT TO MOIST SEP	111G2	1	6-6B
MS TURB BYPASS&REHT TO MOIST SEP	111G3	1	6-6B
MS TURB BYPASS&REHT TO MOIST SEP	111G4	1	5-6B
MS TURB BYPASS&REHT FROM ANCHOR TO COND (CARD ONLY)	111H1		
MS TURB BYPASS&REHT ANCHOR AT COL T-12 TO COND (CARD ONLY)	111H2		
NORTH RH STM EQUAL LN	111J1	1	6-6B
NORTH RH STM EQUAL LN	111J2	1	
NORTH RH STM EQUAL LN	111J3	1	
NORTH RH STM EQUAL LN	111J4	1	
SOUTH RH STM EQUAL LN	111K1	1	
SOUTH RH STM EQUAL LN	111K2	1	
SOUTH RH STM EQUAL LN	111K3	1	
SOUTH RH STM EQUAL LN	111K4	1	

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MS TURB BYPASS&REHT TO COND	111N2	2	12-69
MS TURB BYPASS&REHT TO COND	111P1	2	12-69
MS TURB BYPASS&REHT TO COND	111P2	2	12-69
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COMP COOL WTR-PUMP DISCH	112A2	3	↓
COMP COOL WTR-PUMP DISCH	112A3	3	↓
COMP COOL WTR-PUMP DISCH	112A4	3	↓
COMP COOL WTR-PUMP DISCH	112B1	3	↓
COMP COOL WTR-PUMP DISCH	112B2	3	↓
COMP COOL WTR-PUMP DISCH	112B3	3	↓
COMP COOL WTR-PUMP DISCH	112B4	3	11-71
COMP COOL WTR-PUMP DISCH	112C1	3	9-71
COMP COOL WTR-PUMP DISCH	112C2	3	9-71
COMP COOL WTR-PUMP DISCH	112C3	3	9-71
COMP COOL WTR-PUMP DISCH	112C4	3	9-71
COMP COOL WTR-PUMP DISCH	112C5	1	9-71
COMP COOL WTR-PUMP DISCH	112D1	4	11-71
COMP COOL WTR-PUMP DISCH	112D2	4	11-71
COMP COOL WTR-PUMP DISCH	112D3	4	11-71
COMP COOL WTR-PUMP DISCH	112D4	4	11-71
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COMP COOL WTR-PUMP SUCTION	112E3	4	11-71
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COMP COOL WTR-PUMP SUCTION	112E5	2	7-69
COMP COOL WTR-PUMP DISCH	112F1	4	9-71
COMP COOL WTR-PUMP DISCH	112F2	4	↓
COMP COOL WTR-PUMP DISCH	112F3	4	↓
COMP COOL WTR-PUMP DISCH	112F4	4	↓
COMP COOL WTR-PUMP DISCH	112F5	1	↓
COMP COOL WTR-PUMP DISCH	112G1	5	7-78
COMP COOL WTR-PUMP DISCH	112G3	3	9-71
COMP COOL WTR-PUMP DISCH	112G4	3	↓
COMP COOL WTR-PUMP DISCH	112H1	3	↓
COMP COOL WTR-PUMP DISCH	112H2	3	↓
COMP COOL WTR-PUMP DISCH	112H3	3	↓
COMP COOL WTR-PUMP SUCTION	112J1	3	↓
COMP COOL WTR-PUMP SUCTION	112J2	3	↓
COMP COOL WTR-PUMP SUCTION	112J3	3	↓
COMP COOL WTR-PUMP SUCTION	112J4	3	9-71
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COMP COOL WTR-PUMP SUCTION FROM UNIT 1	112L3	2	10-71
COMP COOL WTR-PUMP SUCTION FROM UNIT 1	112L4	2	10-71
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COMP COOL WTR-PUMP SUCTION	112M1	5	9-71
COMP COOL WTR-PUMP SUCTION	112M2	4	9-71
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COMP COOL WTR-PUMP SUCTION	112M4	4	↓
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COMP COOL WTR-PUMP SUCTION	112P1	2	10-70
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COMP COOL WTR-PUMP SUCTION	112P3	2	↓
COMP COOL WTR-PUMP SUCTION	112Q1	2	↓
COMP COOL WTR-PUMP SUCTION	112Q2	2	↓
COMP COOL WTR-PUMP SUCTION	112Q3	2	↓
COMP COOL WTR-SPENT FUEL PIT COOL	112R1	1	4-69
COMP COOL WTR-SPENT FUEL PIT COOL	112R2	1	4-69
COMP COOL WTR-SPENT FUEL PIT COOL	112R3	1	4-69
COMP COOL WTR-SPENT FUEL PIT COOL	112R4	1	4-69
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COMP COOL PP TO&FROM RES HT EXCH	112S3	2	8-71
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COMP COOL WTR-PUMP DISCH	112T3	4	↓
COMP COOL WTR-PUMP DISCH	112T4	4	↓
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112U1	2	10-70
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COMP COOL WTR-PUMP DISCH	112V1	2	11-71
COMP COOL WTR-PUMP DISCH	112V2	2	↓
COMP COOL WTR-PUMP DISCH	112V3	2	↓
COMP COOL WTR-PUMP DISCH	112V4	2	↓
COMP COOL WTR-PUMP SUCTION	112W1	3	↓
COMP COOL WTR-PUMP SUCTION	112W2	3	↓
COMP COOL WTR-PUMP SUCTION	112W3	3	↓
COMP COOL WTR-PUMP SUCTION	112W4	3	↓
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COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AC2	2	11-71
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AC3	2	
COMP COOL WTR-PUMP SUCTION	112AD1	2	
COMP COOL WTR-PUMP SUCTION	112AD2	2	
COMP COOL WTR-PUMP SUCTION	112AD3	2	
COMP COOL WTR-PUMP SUCTION	112AD4	2	
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AE1	4	
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AE2	4	
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AE3	4	
COMP COOL WTR-PUMP DISCH	112AE4	4	
COMP COOL PP-EXCH DISCH TO UNIT 2	112AF1	2	
COMP COOL PP-EXCH DISCH TO UNIT 2	112AF2	2	
COMP COOL PP-EXCH DISCH	112AF3	2	
COMP COOL SYS-EXCH DISCH	112AF4	2	
COMP COOL PP-EXCH DISCH TO UNIT 2	112AG1	2	
COMP COOL PP-EXCH DISCH TO UNIT 2	112AG2	2	
COMP COOL PP-EXCH DISCH TO UNIT 2	112AG3	2	
COMP COOL SYS-EXCH DISCH TO UNIT 2	112AG4	2	
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AH1	4	7-78 -
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AH2	2	9-71
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AH3	2	
COMP COOL WTR-PUMP DISCH TO UNIT 1	112AH4	2	
COMP COOL WTR-PUMP DISCH TO UNIT 1	112AH5	1	
COMP COOL-PUMP SUCTION FROM UNIT 2	112AJ1	3	10-71
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COMP COOL-PUMP SUCTION FROM UNIT 2	112AJ4	3	
COMP COOL PP-PUMP SUCTION FROM UNIT 2	112AJ5	1	
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AK1	3	9-71
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AK2	3	
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AK3	3	
COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AK4	3	
COMP COOL WTR-PUMP DISCH	112AL1	3	
COMP COOL WTR-PUMP DISCH	112AL2	3	
COMP COOL WTR-PUMP DISCH	112AL3	3	
COMP COOL WTR-PUMP DISCH	112AL4	3	
COMP COOL WTR-PUMP DISCH TO UNIT 2	112AM1	1	4-69
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COMP COOL WTR-PUMP SUCTION FROM UNIT 2	112AN1	4	9-71
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COMP COOL WTR-SPENT FUEL PIT	112AQ3	2	
COMP COOL WTR-SPENT FUEL PIT	112AQ4	2	
COMP COOL WTR-SPENT FUEL PIT	112AQ5	2	
COMP COOL WTR-SPENT FUEL PIT	112AR1	2	
COMP COOL WTR-SPENT FUEL PIT	112AR2	2	
COMP COOL WTR-SPENT FUEL PIT	112AR3	2	
COMP COOL WTR-SPENT FUEL PIT	112AR4	2	
COMP COOL WTR	112CC	1	1-69
CHEM ADD LNS	112DD	1	3-70
AUX STM-36" MAN TO COND & FLASH EVAP	113A	1	3-69
AUX STM-36" MAN TO COND & FLASH EVAP	113B	2	8-69
AUX STM-36" MAN TO COND & FLASH EVAP	113C	1	3-69
AUX STM-36" MAN TO COND & FLASH EVAP	113D	1	7-68
REL LNS FROM SEP TO MAN	115A	2	
REL LNS FROM SEP TO MAN	115B	2	
REL LNS FROM SEP TO MAN	115C	2	
REL LNS FROM SEP TO MAN	115D	2	
PRESS SURGE LN	116A	2	11-71
PRESS SURGE LN	116B	2	11-71
PRESS SURGE LN	116C	2	11-71
RES HT REMOV-COOL LN THRU HTRS	117A1	9	9-71
RES HT REMOV-COOL LN THRU HTRS	117A4	4	
RES HT REMOV-COOL LN THRU HTRS	117A5	5	
RES HT REMOV-COOL LN THRU HTRS	117A6	4	
RES HT REMOV-COOL LN THRU HTRS	117A7	4	
RES HT REMOV SYS	117B1	3	9-71
RES HT REMOV SYS	117B2		
RES HT REMOV SYS	117B3		
RES HT REMOV SYS	117B4		
RES HT REMOV SYS	117B5	1	
RES HT REMOV SYS	117C1	1	10-68
RES HT REMOV SYS	117C2	1	10-68
RES HT REMOV SYS	117C3	2	6-69
RES HT REMOV SYS	117F1	1	10-68
STM GEN FD WTR-AUX SYS	118A	3	9-71
STM GEN FD WTR-AUX SYS	118B	3	
STM GEN FD WTR-AUX SYS	118C	4	
STM GEN FD WTR-AUX SYS	118D	5	
STM GEN FD WTR-AUX SYS	118E	1	
STM GEN FD WTR-AUX SYS	118F	1	
AUX STM GEN FD WTR-OUTSIDE CONT	118G	1	2-69
AUX STM GEN FD WTR-OUTSIDE CONT	118H	1	2-69

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AUX STM GEN FD WTR-OUTSIDE CONT	118J	2	8-71
AUX STM GEN FD WTR-OUTSIDE CONT	118K	2	8-71
AUX STM GEN FD WTR-SUCTION LNS	118L	2	11-71
AUX STM GEN FD WTR-SUCTION LNS	118M	1	4-69
AUX STM GEN FD WTR-SUCTION LNS	118N	1	4-69
AUX STM GEN FD WTR-SUCTION LNS	118P	2	11-71
AUX STM GEN FD WTR-SUCTION LNS	118Q	2	11-71
SERV WTR LNS	119A	2	8-71
SERV WTR LNS	119B	2	8-71
SERV WTR LNS	119C	2	8-71
SERV WTR LNS	119E	2	10-68
SERV WTR VENT LNS	119G1	2	4-72
FD WTR PUMP SUCTION&HP HTR DR PUMP SUCTION & DISCH	120A	1	6-68
24" OD BAL EXP JT-HP HTR DRN POMP SUCTION	120B	2	1-69
LOW HD SFTY INJ SYS NO. 3	122A1	5	9-71
LOW HD SFTY INJ SYS NO. 3	122A2	2	9-71
LOW HD SFTY INJ SYS NO. 3	122A3	5	9-71
LOW HD SFTY INJ SYS NO. 3	122A4	1	9-71
LOW HD SFTY INJ SYS NO. 2	122D1	5	12-70
LOW HD SFTY INJ SYS NO. 2	122D3	6	10-71
LOW HD SFTY INJ SYS NO. 2	122D4	1	10-71
LOW HD SFTY INJ SYS NO. 2 (CARD ONLY) -	122E1	1	
LOW HD SFTY INJ SYS NO. 1	122H1	2	11-71
LOW HD SFTY INJ SYS NO. 1	122H2	2	
LOW HD SFTY INJ SYS NO. 1	122H3	2	
LOW HD SFTY INJ SYS NO. 1	122H4	2	
LOW HD SFTY INJ SYS	122H5	2	
LOW HD SFTY INJ SYS NO. 3	122J1	2	
LOW HD SFTY INJ SYS NO. 3	122J2	3	
LOW HD SFTY INJ SYS NO. 3	122J3	3	
LOW HD SFTY INJ SYS NO. 3	122J4	3	
LOW HD SFTY INJ SYS NO. 3	122J5	3	
LOW HD SFTY INJ SYS NO. 2	122K1	2	
LOW HD SFTY INJ SYS NO. 2	122K2	2	
LOW HD SFTY INJ SYS NO. 2	122K3	2	
LOW HD SFTY INJ SYS NO. 2	122K4	2	
LOW HD SFTY INJ REAC CONT (FP-11A) SH 1	122L1	1	8-70
CONT & RECIRC SPRY SYS	123A1	4	2-72
CONT & RECIRC SPRY SYS	123A2	3	
CONT & RECIRC SPRY SYS	123A3	4	
CONT & RECIRC SPRY SYS	123A4	3	
CONT & RECIRC SPRY SYS	123A5	2	

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CONT & RECIRC SPRY SYS	123B1	3	11-71
CONT & RECIRC SPRY SYS	123B2	2	
CONT & RECIRC SPRY SYS	123B3	3	
CONT & RECIRC SPRY SYS	123B4	2	
CONT & RECIRC SPRY SYS	123C1	3	8-71
CONT & RECIRC SPRY SYS	123C2	2	
CONT & RECIRC SPRY SYS	123C3	3	
CONT & RECIRC SPRY SYS	123C4	1	
CONT & RECIRC SPRY SYS	123D1	4	11-71
CONT & RECIRC SPRY SYS	123D2	2	
CONT & RECIRC SPRY SYS	123D3	3	
CONT & RECIRC SPRY SYS	123D4	2	
CONT & RECIRC SPRY SYS	123E1	3	2-72
SPRY PIPE FROM COOL TO 1/4 RING 10"	123E2	3	
CONT & RECIRC SPRY SYS	123E3		
CONT & RECIRC SPRY SYS	123E4		
CONT & RECIRC SPRY SYS	123F1		
CONT & RECIRC SPRY SYS	123F2		
CONT & RECIRC SPRY SYS	123F3		
CONT & RECIRC SPRY SYS	123F4	3	3-72
CONT & RECIRC SPRY SYS	123G1	5	8-71
CONT & RECIRC SPRY SYS	123H1	4	2-72
CONT & RECIRC SPRY SYS	123H2	3	
CONT & RECIRC SPRY SYS	123H3	3	
CONT & RECIRC SPRY SYS	123H4	2	8-71
CONT RECIRC SPRY PP	123J1	2	
CONT RECIRC SPRY	123J2	2	
CONT RECIRC SPRY	123J3	2	
CONT RECIRC SPRY	123J4	2	
CONT RECIRC SPRY	123K1	2	
CONT RECIRC SPRY	123K2	2	
CONT RECIRC SPRY	123K3	2	
CONT RECIRC SPRY	123K4	2	
CONT RECIRC SPRY	123N1	1	9-69
CONT RECIRC SPRY	123N2	1	9-69
CONT RECIRC SPRY	123N3	2	8-71
CONT RECIRC SPRY	123N4	1	8-71
CONT SPRY-PUMP SUCTION	123P1	2	11-71
CONT SPRY-PUMP SUCTION	123P2	2	
CONT SPRY-PUMP SUCTION	123P3	2	
CONT SPRY-PUMP SUCTION	123P4	2	
CONT SPRY-PUMP SUCTION	123Q1	2	
CONT SPRY-PUMP SUCTION	123Q2	2	
CONT SPRY-PUMP SUCTION	123Q3	2	
CONT SPRY-PUMP SUCTION	123Q4	2	

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CONT & RECIRC SPRY	123R1	3	8-71
RECIRC SPRY FROM PUMP TO EXCH	123R2	2	8-70
CONT & RECIRC SPRY	123R3	2	8-70
CONT & RECIRC SPRY	123R4	3	8-71
RECIRC SPRY PP TO EXCH	123R5	3	
CONT & RECIRC SPRY	123R6	3	
PRESS REL PP (COND 1&2)	124A	4	7-78
PRESS REL PP	124B	3	3-73
PRESS REL PP	124C	3	
PRESS REL PP	124D	3	
PRESS REL PP	124E	3	
PRESS REL PP	*124F	2	
PRESS REL PP	124G	2	
PRESS REL PP	124H	2	
PRESS SFTY & REL	124J	1	
PRESS REL PP	124K	2	
PRESS SPRY PP	125A	3	12-71
PRESS SPRY PP	125B	2	8-71
PRESS SPRY PP	125C	2	8-71
PRESS SPRY PP	125D	1	8-71
PRESS SPRY, SFTY & REL TK PP (FP 9A) SH 1	125E1	1	8-71
PRESS SPRY PP	125E	1	10-70
PRESS SPRY PP	125F	2	12-71
REAC CONT ANN PP CUB 1	126A	1	8-69
REAC CONT ANN PP CUB 1	126B	1	
REAC CONT ANN PP CUB 2	126C	1	
REAC CONT ANN PP CUB 3	126D	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A1	1	8-76
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A2	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A3	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A4	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A5	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A6	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127A7	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127B1	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127B2	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127B3	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127B4	1	
LOW HD SFTY INJ PP-OUTSIDE CONT WALL	127B5	1	
CONT RECIRC SPRY & LOW HD SFTY INJ	127C1	3	4-72
CONT RECIRC SPRY & LOW HD SFTY INJ	127C2	4	3-72
CONT RECIRC SPRY & LOW HD SFTY INJ	127C3	4	3-73
CONT RECIRC SPRY & LOW HD SFTY INJ	127C4	4	3-72
CONT RECIRC SPRY & LOW HD SFTY INJS SYS	127C5	2	3-72
LOW HD SFTY INJ PP-YD	*127E2	3	9-71
LOW HD SFTY INJ PP-YD PP	127E3	3	
LOW HD SFTY INJ PP-YD PP	127E4	2	
LOW HD SFTY INJ PP-AUX BLDG	127F1	2	

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LOW HD SFTY INJ PUMP	127F2	3	9-71
LOW HD SFTY INJ PP-AUX BLDG	127F3	3	
LOW HD SFTY INJ PP-AUX BLDG	127F4	2	
LOW HD SFTY INJ PP-AUX BLDG	127G1	3	
LOW HD SFTY INJ TO CHARG PUMP	127G2	3	
LOW HD SFTY INJ SYS	127G3	3	
LOW HD SFTY INJ SYS	127G4	3	
LOW HD SFTY INJ SYS	127G5	3	
LOW HD SFTY INJ SYS	127G6	3	
LOW HD SFTY INJ SYS	127G7	3	
LOW HD SFTY INJ SYS	127G8	3	
LOW HD SFTY INJ SYS	127G9	2	
LOW HD SFTY INJ SYS	127G10	2	
LOW HD SFTY INJ SYS	127G11	1	
CONT RECIRC SPRY&LO HD SFTY INJ PUMP PP(FP60B)SH 2	127H1	1	11-70
CONT RECIRC SPRY&LO HD SFTY INJ VV LK-OFF LNS(FP60F)	127H2	1	11-70
MOD SFTY INJ SYS REAC CONT NO. 1 (MSK 3A)	127J1	1	11-71
MOD SFTY INJ SYS AUX BLDG&REAC CONT (MSK 2A)	127K1	1	
SPENT FUEL PIT COOL-PUMP DISCH LNS	128A1	3	
SPENT FUEL PIT COOL-PUMP DISCH LNS	128A2	3	
SPENT FUEL PIT COOL-PUMP DISCH LNS	128A3	3	
SPENT FUEL PIT COOL-PUMP DISCH LNS	128A4	2	
SPENT FUEL PIT COOL-PUMP SUCTION LNS	128B1	3	
SPENT FUEL PIT COOL-PUMP SUCTION LNS	128B2	3	
SPENT FUEL PIT COOL-PUMP SUCTION LNS	128B3	3	
SPENT FUEL PIT COOL-SUCTION LNS	128B4	2	
SPENT FUEL PIT COOL-DISCH TO FUEL PIT	128C1	3	
SPENT FUEL PIT COOL-DISCH TO FUEL PIT	128C2	3	
SPENT FUEL PIT COOL-DISCH TO FUEL PIT	128C3	3	
SPENT FUEL PIT COOL-DISCH TO FUEL PIT	128C4	2	
FUEL PIT PP FROM PURIF PUMP TO ION EXCH	128D1	1	3-70
FUEL PIT PP FROM PURIF PUMP TO ION EXCH	128D2	1	3-70
SPENT FUEL PIT COOL (FP-15A) SH 1	128E1	1	6-70
SPENT FUEL PIT COOL (FP-15C) SH 3	128E2	1	
SPENT FUEL PIT COOL (FP-15E) SH 5	128E3	1	
WASTE DISP SYS GAS AUX BLDG (FP-18F) SH 1	129A1	2	
WASTE DISP SYS GAS AUX BLDG (FP-18G) SH 2	129A2	2	
WASTE DISP SYS GAS AUX BLDG (FP-18H) SH 3	129A3	2	
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10C) SH 3	130A1	2	1-71
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10D) SH 4	130A2		
CHEM&VOL CON SYS-REAC CONT (FP10M) SH 1	130A3		
CHEM&VOL CON SYS REAC CONT (FP10N) SH 2	130A4		
CHEM&VOL CON SYS REAC CONT (FP10P) SH 3	130A5		
CHEM&VOL CON SYS REAC CONT (FP10Q) SH 4	130A6		
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10R) SH 1	130A7		
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10T) SH 1	130A8		
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10S) SH 2	130A9		
CHEM&VOL CON HI HD SFTY INJ SYS AUX BLDG(FP10U) SH 2	130A10		

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CLASSIFICATION PIPE STRESS SUMMARY SYSTEM MSK

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CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10G) SH 7	130A11	1	1-71
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10H) SH 8	130A12	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10F) SH 6	130A13	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10E) SH 5	130A14	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10J) SH 9	130A15	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10A) SH 1	130A16	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10K) SH10	130A17	1	
CHEM&VOL CON-HI HD SFTY INJ SYS-AUX BLDG(FP10L) SH11	130A18	1	
3" HP STM(PART 1) TO CS PUMPS& FW PUMP	131A1	2	9-71
3" HP STM(PART 1)	131A2	2	
3" HP STM(PART 1)	131A3	2	
3" HP STM(PART 1)	131A4	2	
3" HP STM(PART 2)	131B1	2	
3" HP STM(PART 2)	131B2	2	
HP PP FROM PEN 74 TO CS PUMP B	131B3	2	
3" HP STM(PART 2)	131B4	2	
3" HP STM(PART 2)	131B5	1	
3" HP STM(PART 3)	131C1	2	
3" HP STM FROM PEN 75	131C2	2	
3" HP STM(PART 3)	131C3	2	
3" HP STM(PART 3)	131C4	1	
REAC CONT ANN PP (FP-3A) SH 1	132A1	1	10-70
REAC CONT ANN PP (FP-3B) SH 2	132A2	1	
REAC CONT ANN PP (FP-3C) SH 3	132A3	1	
REAC CONT ANN PP (FP-3D) SH 4	132A4	1	
REAC CONT ANN PP (FP-3E) SH 5	132A5	1	
REAC CONT ANN PP (FP-3F) SH 6	132A6	1	
REAC CONT ANN PP (FP-3G) SH 7	132A7	1	
REAC CONT ANN PP (FP-3H) SH 8	132A8	1	
REAC CONT ANN PP (FP-3J) SH 9	132A9	1	
REAC CONT ANN PP (FP-3K) SH 10	132A10	1	
REAC CONT ANN PP (FP-3L) SH 11	132A11	1	
REAC CONT ANN PP (FP-3P) SH 14	132A12	1	
REAC CONT ANN PP (FP-3S) SH 17	132A13	1	
REAC CONT CUB NO.1 PP SH 1	132B1	2	
REAC CONT CUB NO.1 PP SH 2	132B2	1	3-70
REAC CONT CUB NO.1 PP SH 3	132B3	1	3-70
REAC CONT CUB NO.2 PP SH 1	132C1	2	10-70
REAC CONT CUB NO.2 PP SH 2	132C2	1	3-70
REAC CONT CUB NO.2 PP SH 3	132C3	2	3-72
REAC CONT CUB NO.3 PP (FP-3Y) SH 1	132D1	3	10-70
REAC CONT CUB NO.3 PP (FP-3Z) SH 2	132D2	2	10-70
REAC CONT CUB NO.3 PP (FP-3AA) SH 3	132D3	3	10-70
AUX BLDG PP (FP-19A) SH 1	133A1	3	11-70
AUX BLDG PP (FP-19B) SH 2	133A2	3	
AUX BLDG PP (FP-19C) SH 3	133A3	3	
AUX BLDG PP (FP-19D) SH 4	133A4	2	

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AUX BLDG PP	(FP-19E) SH 5	133A5	3	11-70
AUX BLDG PP	(FP-19F) SH 6	133A6	3	
AUX BLDG PP	(FP-19G) SH 7	133A7	2	
AUX BLDG PP	(FP-19H) SH 8	133A8	2	
AUX BLDG PP	(FP-19J) SH 9	133A9	4	
AUX BLDG PP	(FP-19K) SH 10	133A10	3	
AUX BLDG PP	(FP-19L) SH 11	133A11	2	
AUX BLDG PP	(FP-19M) SH 12	133A12	2	
AUX BLDG PP	(FP-19N) SH 13	133A13	3	
GASEOUS WASTE		133B1	1	4-72
MISC PP-REAC CONT AUX BLDG TUNN U 1	(FP-7A) SH 1	134A1	2	
MISC PP-REAC CONT AUX BLDG TUNN U 1	(FP-7C) SH 3	134A2	2	
MISC PP-REAC CONT AUX BLDG TUNN U 2	(FP-20A) SH 1	135A1	2	
MISC PP-REAC CONT AUX BLDG TUNN U 2	(FP-20C) SH 3	135A2	2	4-70
YD PP-NORTH-REAC CONT	(FP-6A) SH 1	136A1	1	6-70
YD PP-NORTH-REAC CONT	(FP-6B) SH 2	136A2	1	6-70
YD PP-NORTH-REAC CONT	(FP-6C) SH 3	136A3	1	6-71
YD PP-NORTH-REAC CONT	(FP-6E) SH 5	136A4	1	6-70
4" EXP JT IN YD PP-NORTH		136A5	1	6-70
CONT VAC PP		137A1	2	9-71
CONT VAC PP		137A2	2	
CONT VAC PP		137A3	2	
CONT VAC PP		137A4	2	
CONT VAC PP		137A5	2	
MISC PP INT STRUCT	(FP-71B)	138A1	1	4-70
BORON RECOV SYS	(FP-14D) SH 4	139A1	1	5-70
BORON RECOV SYS	(FP-14E) SH 5	139A2	1	
PLUMBING SERV BLDG	(FB-27A) SH 1	140A1	1	
PLUMBING SERV BLDG	(FB-27B) SH 2	140A2	1	
YD PP-SW-REAC CONT	(FP-5E) SH 5	141A1	1	6-70
ARRGT OF INCORE INSTRUM	(FM-42B) SH 2	142A1	1	12-70
MUFF EXH PP		143A1	2	3-71
MUFF EXH PP		143A2	2	
MUFF EXH PP		143A3	2	
FIRE PROT SYS		144A1	3	10-71
FIRE PROT SYS		144A2	3	
FIRE PROT SYS		*144A4	3	
FIRE PROT SYS		144A5	3	
FIRE PROT SYS		144A6	3	
FIRE PROT SYS		144B1	2	
FIRE PROT SYS		144B2	2	
FIRE PROT SYS		144B3	2	
FIRE PROT SYS		144B4	2	
FIRE PROT SYS		144B5	2	
COMPRESS AIR LNS AT COMPRESSOR		150A1	2	
INSTRUM AIR LNS		150A2	1	1-71
INSTRUM AIR LNS		150A3	1	1-71
INSTRUM AIR LNS		150A4	1	1-71

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INSTRUM AIR LNS	150A5	1	1-71
INSTRUM AIR LNS	150A6	1	
INSTRUM AIR PP(FIELD RUN) AUX BLDG	150A7	1	
INSTRUM AIR LNS	150A8	1	
INSTRUM AIR PP(FIELD RUN)MS VV HSE&CONT SPRY PUMP HSE	150A9	1	
INSTRUM AIR PP(FIELD RUN) AUX BLDG	150A10	1	
INSTRUM AIR PP(FIELD RUN) TUNN B/W AUX BLDG&TURB BLDG	150A11	1	
INSTRUM AIR PP(FIELD RUN) AUX BLDG	150A12	1	
EMER GEN PP (FP-69A)	169A	1	11-69
MOIST SEP&REHTR DRN LNS (FP-39A) SH 1	500A	1	5-69
MOIST SEP&REHTR DRN LNS (FP-39B) SH 2	500B	1	
MOIST SEP&REHTR DRN LNS (FP-39C) SH 3	500C	1	
TURB GLAND STM LNS (FP-41A) SH 1	501A	1	
TURB GLAND STM LNS (FP-41B) SH 2	501B	1	
FIRE PROT SYS	B5	1	8-71
* STM GEN FD WTR from PPs to CONDSR	104D	2	5-72
* COMP COOL PIPE - PP SUCT	112AB1	2	11-71
* PRESS RELIEF PPG COND 1 & 2	124E1	2	7-78
* LO HD SAFTY INJ PP YD	127E1	2	10-70
* FIRE PROT SYS	144A3	2	10-71

ATTACHMENT 5

LIST OF DESIGN DOCUMENTS
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L/1605/4

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CLASSIFICATION MECHANICAL & NUCLEAR SYSTEM FM

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MACH LOC REAC CONT - EL. 47'	SH 1	1A	5	5-71
MACH LOC REAC CONT - EL. 18'	SH 2	1B	5	5-71
MACH LOC REAC CONT - EL. -3'	SH 3	1C	5	5-71
MACH LOC REAC CONT - EL. -27'	SH 4	1D	5	12-70
MACH LOC REAC CONT - SECTS.	SH 5	1E	4	9-70
MACH LOC REAC CONT - SECTS.	SH 6	1F	4	9-70
MACH LOC REAC CONT - SECTS.	SH 7	1G	5	12-70
MACH LOC TURB AREA OPER LEVEL		6A	5	6-70
MACH LOC TURB AREA MEZZ LEVEL		6B	6	1-71
MACH LOC TURB AREA GRND FLR		6C	9	5-79
MACH LOC TURB AREA SECTS	SH 1	6D	5	6-70
MACH LOC TURB AREA SECTS	SH 2	6E	5	6-70
MACH LOC TURB AREA SECTS	SH 3	6F	6	1-71
MACH LOC TURB AREA SECTS	SH 4	6G	6	1-71
MACH LOC TURB AREA SECTS	SH 5	6H	6	1-71
FLOW DIAG MN STM		14A	10	8-76
FLOW DIAG EXTRAC STM		15A	10	2-78
FLOW DIAG AUX STM & AIR REM.		16A	11	2-78
FLOW DIAG CONDENSATE		17A	13	7-76
FLOW DIAG FEEDWATER		18A	9	2-78
FLOW DIAG MOST SEP HP HTR DRNS & VNTS		19A	8	9-72
FLOW DIAG LP HTR DRNS & VNTS		20A	9	2-79
FLOW DIAG CIRC SERV WTR	SH 1	21A	13	2-78
FLOW DIAG CIRC SERV WTR	SH 2	21B	8	9-74
FLOW DIAG CMP CLG WTR	SH 1	22A	11	4-73
FLOW DIAG CMP CLG WTR	SH 2	22B	10	2-73
FLOW DIAG BEARG COOLG WTR		23A	10	2-78
FLOW DIAG VAC PRIMING		24A	8	1-79
FLOW DIAG COMP AIR (TURB)	SH 1	25A	7	2-79
FLOW DIAG COMP AIR (AUX)	SH 2	25B	1	1-73
FLOW DIAG COMP AIR (REAC #2)	SH 3	25C	2	6-76
FLOW DIAG COMP AIR (#2 SFGDS)	SH 4	25D	2	8-76
FLOW DIAG COMP AIR (REAC #2)	SH 5	25E	3	2-79
FLOW DIAG COMP AIR (TURB)	SH 6	25F	4	5-78
FLOW DIAG LUBE OIL LNS		26A	7	2-78
FLOW DIAG FLASH EVAP SYS		27A	9	4-77
FLOW DIAG MISC DRN-SEC PLANT		28A	7	8-76
FLOW DIAG SAMP SYS	SH 1	32A	11	5-79
PLTFMS & LDRS REAC CNTMNT AREA		33A	2	2-70
DISMANTLING LAYDN RC 47'-4"		34A	1	5-70
DISMANTLING LAYDN RC 18'-4"		34B	1	5-70
DISMANTLING LAYDN RC - 3'-6"		34C	1	5-70
DISMANTLING LAYDN RC -27'-7"		34D	1	5-70
ARRGT REACTOR INSTALL		36A	2	11-68

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ARRGT STEAM GEN STALL	SH 1	37A	3	3-69
ARRGT PRESSURIZER INSTALLATION		37B	2	8-69
ARRGT STEAM GEN STALL	SH 2	37C	3	3-69
ARRGT NTRN SHLT TK INSTALL		37D	1	6-69
REAC CAV WTR SL ARRGT & DETS	SH 1	40A	2	2-70
REAC CAV WTR SL ARRGR & DETS	SH 2	40B	1	8-69
ARRGT OF INCORE INST'N	SH 1	42A	2	4-71
ARRGT OF INCORE INST'N	SH 2	42B	2	4-71
PIPE SUPPS INCORE INST'N	SH 1	42C	1	4-71
PIPE SUPPS INCORE INST'N	SH 2	42D	1	4-71
ARRGT CONT RD DRV SHLD & REA HD LFT RG		43A	1	4-69
REAC UPR INTERNALS STRG	SH 1	44A	2	4-71
REAC UPR INTERNALS STRG	SH 2	44B	2	4-71
REAC LWR INTERNALS STRG ASSY & DET	SH 1	45A	1	8-70
REAC LWR INTERNALS STRG ASSY & DET	SH 2	45B	2	12-70
MISC EQUIP SUPPS	SH 1	48A	2	10-71
MISC EQUIP SUPPS	SH 2	48B	2	10-71
MISC EQUIP SUPPS	SH 3	48C	2	10-71
MISC EQUIP SUPPS	SH 4	48D	2	12-70
MISC EQUIP SUPPS THIM STRG FR ASSY	SH 5	48E	3	1-72
MISC EQUIP SUPPS THIM STRG FR ASSY	SH 6	48F	3	1-72
PRESS SUPPORT	SH 1	52A	1	10-68
PRESS SUPPORT	SH 2	52B	4	6-78
PRESS SUPPORT	SH 3	52C	2	6-69
ARRGT HIGH LVL INTK STRCT		56A	1	9-69
TURB DISMNTLG & LAY-DOWN ARRGT		61A	2	3-70
EQUIP HNDLG GEN STR		62A	2	9-69
VV OP NOS MN STM		64A	6	8-76
VV OP NOS EXTRAC STM		65A	7	2-78
VV OP NOS AUX STM & AIR REM	SH 1	66A	9	3-78
VV OP NOS CONDENSATE		67A	7	3-76
VV OP NOS FEEDWATER		68A	5	7-75
VV OP NOS MOIST SEP HP HTR DRNS & VNTS		69A	5	5-72
VV OP NOS LP HTR DRNS & VNTS		70A	7	2-79
VV OP NOS CIRC SERV WTR	SH 1	71A	7	2-78
VV OP NOS CIRC SERV WTR	SH 2	71B	7	9-74
VV OP NOS CMP COOLG WTR	SH 1	72A	5	4-73
VV OP NOS CMP COOLG WTR	SH 2	72B	5	2-73
VV OP NOS BEARING COOLG WTR		73A	7	2-78
VV OP NOS VAC PRMG		74A	6	1-79
VV OP NOS COMP AIR SYS	SH 1	75A	4	2-79
VV OP NOS COMP AIR SYS	SH 2	75B	1	1-73
VV OP NOS COMP AIR SYS	SH 3	75C	2	6-76
VV OP NOS COMP AIR SYS	SH 4	75D	2	8-76
VV OP NOS COMP AIR SYS	SH 5	75E	3	2-79
VV OP NOS COMP AIR SYS	SH 6	75F	4	5-78

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VV OP NUM FLSH EVAP SYS		77A	4	11-72
VV OP NUMBER MISC DRN-2NDY PLNT		78A	4	8-76
VV OP NOS SMPLG SYS	SH 1	82A	7	12-76
FLOW DIAG & VV OP NOS SAMPLG SYS	SH 2	82B	2	12-76
VV OP NOS SMPLG SYS	SH 3	82C	1	1-77
VV OP NOS VNTS-DRNS	SH 1	83A	7	5-76
VV OP NOS VNTS-DRNS	SH 2	83B	4	4-73
VV OP NOS CONT & RECIRC SPRAY SYS		84A	10	3-79
VV OP NOS CONT VAC & LKG MONT		85A	5	3-73
VV OP NOS REAC COOLNT	SH 1	86A	5	2-73
VV OP NOS REAC COOLNT	SH 2	86B	4	10-72
VV OP NOS RES HT REMOVAL		87A	5	2-73
VV OP NOS CHEM & VOL CONT	SH 1	88A	4	11-72
VV OP NOS CHEM & VOL CONT	SH 2	88B	7	12-77
VV OP NOS CHEM & VOL CONT	SH 3	88C	7	12-77
VV OP NOS SFTY INJ SYS	SH 1	89A	10	8-78
VV OP NOS SFTY INJ SYS	SH 2	89B	9	3-77
FLW DIAG VENT & DRN SYS	SH 1	100A	11	5-76
FLW DIAG VENT & DRN SYS	SH 2	100B	11	10-72
FLW DIAG CONT & RECIRC SYS		101A	15	3-79
FLW DIAG CONT VAC & LKG MONT SYS		102A	10	3-73
FLW DIAG REAC COOL SYS	SH 1	103A	11	10-72
FLW DIAR REAC COOL SYS	SH 2	103B	9	10-72
FLW DIAG RES HT REM SYS		104A	10	2-73
FLW DIAG CHEM & VOL CONT SYS	SH 1	105A	8	11-72
FLW DIAG CHEM & VOL CONT SYS	SH 2	105B	12	12-77
FLW DIAG CHEM & VOL CONT SYS	SH 3	105C	10	12-77
FLW DIAG SFTY INJ SYS	SH 1	106A	16	8-78
FLW DIAG SFTY INJ SYS	SH 2	106B	11	3-77
PRIM SHIELD WIR CLR	SH 1	111A	1	4-69
PRIM SHIELD WIR CLR	SH 2	111B	1	4-69
FLW DIAG COND TUBE CLNG		112A	4	9-72
VV OP NOS COND TUBE CLNG		113A	4	9-72
FLW DIAG TURB GLAND STM		115A	4	9-72
FLW DIAG CHEM CLNG		116A	3	7-70
VV OP NOS TURB GLND STM		117A	4	9-72
FLW DIAG CHEM FEED SYS		121A	4	8-70
VV OP NOS CHEM FEED		123A	3	5-71
LWR SUPP NEUT SHLD	SH 1	133A	2	1-71
LWR SUPP NEUT SHLD	SH 2	133B	2	7-71

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Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
MN STM REAC CONT (EL. 38')		1A	7	12-71
MN STM REAC CONT TO TURB RM	SH 1	1B	9	11-75
MN STM REAC CONT TO TURB RM	SH 2	1C	6	1-75
MN STM TURB BYPASS & REHT LNS	SH 1	1D	5	6-75
MN STM TURB BYPASS & REHT LNS	SH 2	1E	4	7-70
MN STM TURB BYPASS & REHT LNS	SH 3	1F	4	7-70
SLID PIPE SUPP ASSEM & DETS MN STM & FD WTR	SH 1	1G	3	1-70
SLID PIPE SUPP ASSEM & DETS MN STM & FD WTR	SH 2	1H	3	11-70
MN STM HANGER DETS	SH 1	1J	3	4-70
MN STM HANGER DETS	SH 2	1K	4	9-71
MN STM HANGER DETS	SH 3	1L	5	6-75
MN STM HANGER DETS	SH 4	1M	4	9-71
STM GEN FD WTR REAC CONT	SH 1	2A	6	5-74
STM GEN FD WTR REAC CONT	SH 2	2B	3	12-71
STM GEN FD WTR LNS REAC CONT TO TURB RM	SH 1	2C	5	2-76
STM GEN FD WTR LNS REAC CONT TO TURB RM	SH 2	2D	6	4-71
STM GEN FD WTR LNS REAC CONT TO TURB RM	SH 3	2E	5	4-71
STM GEN FD WTR HANGER DETS	SH 1	2F	3	12-71
STM GEN FD WTR HANGER DETS	SH 2	2G	5	12-71
STM GEN FD WTR HANGER DETS	SH 3	2H	8	12-71
AUX STM GEN FD WTR LNS	SH 1	2J	5	3-72
AUX STM GEN FD WTR LNS	SH 2	2K	2	9-69
AUX STM GEN FD WTR LNS	SH 3	2L	1	10-73
AUX STM GEN FD WTR LNS	SH 4	2M	2	4-74
AUX STM GEN FD WTR LNS	SH 5	2N	3	8-74
AUX STM GEN FD WTR LNS (EL. 11'6")	SH 6	2P	3	6-75
REAC CONT ANN PP	SH 1	3A	6	10-70
REAC CONT ANN PP (EL.-27'7" to -18'7")	SH 2	3B	7	4-72
REAC CONT ANN PP	SH 3	3C	7	4-72
REAC CONT ANN PP (EL. -15'10")	SH 4	3D	7	4-72
REAC CONT ANN PP (EL. -13'1")	SH 5	3E	7	4-72
REAC CONT ANN PP (EL. -13'1")	SH 6	3F	7	4-72
REAC CONT ANN PP (EL. -10'4" North)	SH 7	3G	7	4-72
REAC CONT ANN PP (EL. -10'4" South)	SH 8	3H	6	10-70
REAC CONT ANN PP (EL. -7'7" & Above North)	SH 9	3J	8	6-78 -
REAC CONT ANN PP (EL. -7'7" & Above South)	SH 10	3K	6	12-70
REAC CONT ANN PP	SH 11	3L	6	9-72
REAC CONT ANN PP	SH 12	3M	6	11-75
REAC CONT ANN PP	SH 13	3N	8	6-78 -
REAC CONT ANN PP	SH 14	3P	5	10-70
REAC CONT ANN PP	SH 15	3Q	5	10-70
REAC CONT ANN PP	SH 16	3R	6	4-72
REAC CONT ANN PP	SH 17	3S	5	10-70
REAC CONT CUB NO. 1 PP	SH 1	3T	4	10-70
REAC CONT CUB NO. 1 PP	SH 2	3U	4	10-70
REAC CONT CUB NO. 2 PP	SH 1	3W	5	6-78 -
REAC CONT CUB NO. 2 PP	SH 2	3X	5	6-78 -
REAC CONT CUB NO. 3 PP	SH 1	3Y	5	6-78 -

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Title		No.	CURRENT REVISION NO.	CURRENT REVISION DATE
REAC CONT CUB NO. 3 PP	SH 2	3Z	4	10-70
REAC CONT CUB NO. 1 PP	SH 3	3AA	4	10-70
REAC CONT ANN PP PIPE SUPP DETS	SH 1	3BB	1	4-72
REAC CONT ANN PP PIPE SUPP DETS	SH 2	3CC	2	6-78
SERV WTR LNS	SH 1	4A	5	4-70
SERV WTR LNS	SH 2	4B	6	8-71
SERV WTR LNS	SH 3	4C	5	4-70
SERV WTR LNS	SH 4	4D	6	8-71
SERV WTR LNS	SH 5	4E	4	12-70
SERV WTR VENT LNS		4F	1	8-72
YD PP-SE REAC CONT	SH 1	5A	7	11-75
YD PP-SE REAC CONT	SH 2	5B	5	11-75
YD PP-SE REAC CONT	SH 3	5C	5	5-74
YD PP-SE REAC CONT	SH 4	5D	5	5-72
YD PP-SE REAC CONT	SH 5	5E	6	11-75
YD PP-SE REAC CONT	SH 6	5F	5	12-70
YD PP-SE REAC CONT	SH 7	5G	6	5-74
NITRO SUPPLY STA YD PP-SE	SH 8	5H	2	8-78
YD PP-SE REAC CONT	SH 9	5J	1	5-72
REAC COOL PP	SH 1	8A	5	1-70
REAC COOL PP	SH 2	8B	4	7-69
PRESS SPRY SFTY & RELIEF TK PP	SH 1	9A	7	6-78
PRESS SPRY SFTY & RELIEF TK PP	SH 2	9B	4	2-72
PRESS SPRY SFTY & RELIEF TK PP-HANGER DETS	SH 1	9C	5	2-72
PRESS SPRY SFTY & RELIEF TK PP-HANGER DETS	SH 2	9D	3	2-72
PRESS SPRY SFTY & RELIEF TK PP SUPP TABS&DETS	SH 3	9E	2	6-78
PRESS SPRY SFTY & RELIEF TK PP SUPP DETS	SH 4	9F	1	2-72
CHEM & VOL CON SYS REAC CONT	SH 1	10A	5	1-71
CHEM & VOL CON SYS REAC CONT	SH 2	10B	4	1-71
CHEM & VOL CON SYS REAC CONT	SH 3	10C	4	1-71
CHEM & VOL CON SYS REAC CONT	SH 4	10D	4	1-71
REAC CONT LOW HD SFTY INJ	SH 1	11A	6	6-78
REAC CONT LOW HD SFTY INJ	SH 2	11B	7	6-78
RES HT REMOV SYS	SH 1	12A	5	4-72
RES HT REMOV SYS	SH 2	12B	4	6-71
RES HT REMOV SYS	SH 3	12C	2	6-71
RES HT REMOV SYS	SH 4	12D	2	4-72
RES HT REMOV SYS PIPE SUPP SUPPRESS DETS		12E	1	4-72
CONT & RECIRC SPRY SYS	SH 1	13A	7	5-72
CONT & RECIRC SPRY SYS	SH 2	13B	5	5-72
CONT & RECIRC SPRY SYS	SH 3	13C	4	8-70
CONT & RECIRC SPRY SYS	SH 4	13D	7	5-72
CONT & RECIRC SPRY SYS-HANGERS	SH 5	13E	4	5-72
CONT & RECIRC SPRY SYS-HANGERS	SH 6	13F	6	5-72
CONT & RECIRC SPRY SYS-HANGERS	SH 7	13G	2	5-72
CONT & RECIRC SPRY SYS	SH 8	13H	1	5-72
SAMP SYS REAC CONT	SH 1	17A	4	10-70
THIM LOC PLAN REAC CONT	SH 1	22A	2	4-70

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THIM LOC PLAN REAC CONT	SH 2	22B	2	10-69
THIM LOC PLAN REAC CONT	SH 3	22C	1	6-69
THIM LOC PLAN REAC CONT	SH 4	22D	2	4-70
MISC PP PROCESS VENTS		25A	2	7-69
MISC PP REAC CAV WALL PEN		25B	1	6-69
MISC PP PRI SHIELDS WTR COOL (EL. -29'7")	SH 1	25C	3	10-70
MISC PP PRI SHIELDS WTR COOL	SH 2	25D	3	10-70
MISC PP PRI SHIELDS WTR COOL (EL. 8'3")	SH 3	25E	2	6-70
CIRC WTR LNS	SH 1	26A	4	11-77
CIRC WTR LNS	SH 2	26B	2	6-70
COND TUBE CLEANING	SH 1	27A	4	8-70
COND TUBE CLEANING	SH 2	27B	1	7-69
CHILLED WTR LNS	SH 1	28A	6	8-70
CHILLED WTR LNS	SH 2	28B	5	4-70
1st & 2nd PT EXTRAC STM LNS	SH 1	29A	6	8-70
1st & 2nd PT EXTRAC STM LNS	SH 2	29B	4	2-70
3rd & 4th PT EXTRAC STM LNS		30A	3	8-70
5th & 6th PT EXTRAC STM LNS	SH 1	31A	2	2-70
5th & 6th PT EXTRAC STM LNS	SH 2	31B	1	3-69
AUX STM LNS	SH 1	32A	5	11-70
AUX STM LNS	SH 2	32B	5	11-70
TURB BLDG HANGER MODIF-COND PP	SH 1	33A	8	6-75
TURB BLDG HANGER MODIF-COND PP	SH 2	33B	4	6-75
COND PP	SH 3	33C	4	11-70
COND PP	SH 4	33D	6	11-70
COND PP	SH 5	33E	9	2-79
COND PP	SH 6	33F	6	1-72
COND PP	SH 7	33G	8	6-75
COND PP	SH 8	33H	6	1-72
AIR REMOV LNS		34A	1	3-69
HP HTR DRAIN LNS	SH 1	36A	5	6-75
HP HTR DRAIN LNS	SH 2	36B	4	2-71
LP HTR DRAIN LNS	SH 1	37A	8	6-75
LP HTR DRAIN LNS	SH 2	37B	8	6-75
HTR RELIEF LNS	SH 1	38A	2	10-69
HTR RELIEF LNS	SH 2	38B	3	2-70
MOIST SEP & REHTR DRAIN LNS	SH 1	39A	5	6-75
MOIST SEP & REHTR DRAIN LNS	SH 2	39B	4	4-71
MOIST SEP & REHTR DRAIN LNS	SH 3	39C	4	4-71
TURB GLAND STM LNS	SH 1	41A	4	2-71
TURB GLAND STM LNS	SH 2	41B	4	2-71
EJECT VENTS & MISC S.V. DISCH LNS	SH 1	42A	3	2-71
EJECT VENTS & MISC S.V. DISCH LNS	SH 2	42B	2	2-71
HTR VENT LNS	SH 1	43A	2	1-71
HTR VENT LNS	SH 2	43B	3	1-71
HTR VENT LNS	SH 3	43C	2	1-71
TURB BLDG HANGER MODIF-COOL WTR SYS	SH 1	44A	6	6-75
COOL WTR SYS (EL. 9'6")	SH 2	44B	4	10-70

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COOL WTR SYS	SH 3	44C	5	10-70
COOL WTR SYS	SH 4	44D	5	10-70
HI PRESS DRIP LNS	SH 1	45A	3	7-70
HI PRESS DRIP LNS	SH 2	45B	3	7-70
LOW PRESS DRIP LNS	SH 1	46A	4	1-71
LOW PRESS DRIP LNS	SH 2	46B	4	1-70
MISC PP AT TURB	SH 1	47A	1	7-69
MISC PP AT TURB	SH 2	47B	1	7-69
VAC PRI LNS	SH 1	48A	3	2-70
VAC PRI LNS	SH 2	48B	3	2-70
SFTY VV INLET & DISCH REHT STM LNS	SH 1	49A	4	2-70
SFTY VV INLET & DISCH REHT STM LNS	SH 2	49B	2	7-69
COMPRESS AIR LNS		51A	1	9-69
COMPRESS AIR LNS CONT TEST	SH 2	51B	2	11-71
LUB OIL LNS	SH 1	52A	4	9-76
LUB OIL LNS	SH 2	52B	4	9-76
LUB OIL LNS	SH 3	52C	1	10-69
FLASH EVAP LNS (EL. 9'6")	SH 1	53A	7	1-72
FLASH EVAP LNS	SH 2	53B	7	1-72
FLASH EVAP LNS	SH 3	53C	4	1-72
SAMP LNS	SH 1	54A	1	3-70
SAMP LNS	SH 2	54B	5	4-71
CHEM FD LNS		56A	2	5-70
CHEM CLEANING LNS		57A	2	7-70
THIM LOC PLAN TURB RM	SH 1	58A	1	8-69
THIM LOC PLAN TURB RM	SH 2	58B	2	3-70
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 1	60A	13	11-78
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 2	60B	9	5-78
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 3	60C	10	11-78
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 4	60D	10	11-78
CONT RECIRC SPRY&LOW HD SFTY INJ VV LK OFF LNS		60E	6	5-78
CONT RECIRC SPRY & LOW HD SFTY INJ PUMP PP	SH 5	60F	1	5-72
CONT RECIRC SPRY&LOW HD SFTY INJ PUMP PP DETS	SH 1	60G	1	5-72
CONT RECIRC SPRY&LOW HD SFTY INJ PUMP PP SUPP	SH 2	60H	1	5-72
MISC PP-HI LEVEL INTAKE STRUCT		66A	2	2-70
VAC PRI CIRC WTR INTAKE LNS		67A	4	4-71
VAC PRI CIRC WTR DISCH TUN		68A	3	3-70
PEN&THIM LOC-BLDG SE REAC CONT (EL.27'6")	SH 1	70A	5	5-72
PEN&THIM LOC-BLDG SE REAC CONT	SH 2	70B	4	5-72
PEN&THIM LOC-BLDG SE REAC CONT	SH 3	70C	4	5-72
CONT VAC LNS	SH 1	75A	2	8-72
CONT VAC LNS PIPE SUPP DETS	SH 2	75B	1	8-72

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Title	No.	CURRENT REVISION NO.	CURRENT REVISION DATE
MOD SFTY INJ SYS-AUX BLDG&REAC CONT	2A	2	2-72
MOD SFTY INJ SYS-REAC CONT&PIPE SUPP DETS SH 1	2B	1	2-72
MOD SFTY INJ SYS-REAC CONT NO. 2 SH 1	3A	2	3-72
MOD SFTY INJ SYS-REAC CONT NO. 2 SH 2	3B	1	2-72
MOD SFTY INJ SYS-REAC CONT NO. 2 SH 3	3C	1	2-72
REAC COOL PP (LOOP "A")	100A	1	1-69
REAC COOL PP (LOOP "A")	100B	1	
REAC COOL PP (LOOP "A")	100C1	1	
REAC COOL PP (LOOP "A")	100C2	1	
MN STM PP (LOOP "A")	100D	2	10-71
MN STM PP (LOOP "A")	100E	1	1-69
MN STM PP (LOOP "A")	100F1	1	10-71
MN STM PP (LOOP "A")	100F2	2	1-69
MN STM PP (LOOP "A")	100F3	2	10-71
STM GEN FD WTR (LOOP "A")	100G	1	1-69
STM GEN FD WTR (LOOP "A")	100H	1	
STM GEN FD WTR (LOOP "A")	100J1	1	
STM GEN FD WTR (LOOP "A")	100J2	2	8-71
STM GEN FD WTR (LOOP "A")	100J3	2	10-71
REAC COOL PP (LOOP "B")	101A	1	1-69
REAC COOL PP (LOOP "B")	101B	1	
REAC COOL PP (LOOP "B")	101C1	1	
REAC COOL PP (LOOP "B")	101C2	1	
MN STM PP (LOOP B)	101D	1	
MN STM PP (LOOP B)	101E	1	
MN STM PP (LOOP B)	101F1	1	
MN STM PP (LOOP B)	101F2	2	10-71
MN STM PP (LOOP B)	101F3	2	10-71
STM GEN FD WTR (LOOP B)	101G	1	1-69
STM GEN FD WTR (LOOP B)	101H	1	1-69
STM GEN FD WTR (LOOP B)	101J1	1	1-69
STM GEN FD WTR (LOOP B)	101J2	2	10-71
STM GEN FD WTR (LOOP B)	101J3	2	10-71
REAC COOL PP (LOOP C)	102A	1	1-69
REAC COOL PP (LOOP C)	102B	1	
REAC COOL PP (LOOP C)	102C1	1	
REAC COOL PP (LOOP C)	102C2	1	
MN STM PP (LOOP C)	102D	1	
MN STM PP (LOOP C)	102E	1	
MN STM PP (LOOP C)	102F1	3	
MN STM PP (LOOP C)	102F2	2	10-71
MN STM PP (LOOP C)	102F3	2	10-71
STM GEN FD WTR (LOOP C)	102G	3	1-69
STM GEN FD WTR (LOOP C)	102H	1	1-69
STM GEN FD WTR (LOOP C)	102J1	3	10-71
STM GEN FD WTR (LOOP C)	102J2	2	1-69
STM GEN FD WTR (LOOP C)	102J3	2	10-71
MN STM LNS(OUTSIDE CONT WALL)	103A	3	11-71

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MN STM LNS(OUTSIDE CONT WALL)	103B	1	3-69
MN STM LNS(OUTSIDE CONT WALL)	103C	2	4-69
MN STM LNS(OUTSIDE CONT WALL)	103D	2	4-69
MN STM LNS(OUTSIDE CONT WALL)	103E	1	9-69
MN STM LNS	103F	1	11-71
MN STM LNS FROM CONT WALL TO TURB	103G	1	11-71
MN STM LNS FROM CONT WALL TO TURB	103H	1	11-71
STM GEN FD WTR FROM 18" MAN TO CONT VESSEL	104A	1	3-69
STM GEN FD WTR FROM 18" MAN TO CONT WALL	104A1	1	
STM GEN FD WTR FROM 18" MAN TO CONT WALL	104A2	1	
STM GEN FD WTR FROM 18" MAN TO CONT VESSEL	104A3	1	
STM GEN FD WTR FROM HTRS TO 18" MAN	104B	1	
STM GEN FD WTR FROM HTRS TO 18" MAN	104B1	1	
STM GEN FD WTR FROM HTRS TO 18" MAN	104B2	1	
STM GEN FD WTR FROM PUMPS TO HTRS	104C	1	
STM GEN FD WTR FROM PUMPS TO HTRS	104C1	1	
STM GEN FD WTR FROM PUMPS TO HTRS	104C2	1	
STM GEN FD WTR FROM PUMPS TO COND	104D	1	
STM GEN FD WTR FROM PUMPS TO COND	104D1	1	
STM GEN FD WTR FROM PUMPS TO COND	104D2	1	
1ST PT EXT STM LN	105A	1	
1ST PT EXT STM LN	105B	1	
2ND PT EXT STM LN	106A	1	
2ND PT EXT STM LN	106B	1	
3RD PT EXT STM LN (EXHAUST 1)	107A	1	12-70
3RD PT EXT STM LN (EXHAUST 1)	107B	1	
COND FLEX SEAL AT 3RD PT EXT LN	107C	1	
4TH PT EXT STM LN (EXHAUST 2)	108A	1	
4TH PT EXT STM LN (EXHAUST 2)	108B	1	
4TH PT EXT LN EXPAN JOINT	108C	1	
22" EXPAN JOINT-5TH PT EXT LN	109A	1	3-69
6TH PT EXT TO FLASH EVAP	110A	1	
6TH PT EXT TO FLASH EVAP	110B	1	
6TH PT EXT TO FLASH EVAP	110C	1	
6TH PT EXT TO FLASH EVAP	110D	1	
26" EXPAN JOINT-6TH PT EXT LN	110E	1	
SLIDING SUPP-6TH PT EXT	110F	1	
FLEX SEAL-6TH PT EXT	110G	1	
ANCHORS AT UNIT&36"O.D. MAN TO MOIST SEP	111A1	1	
ANCHORS AT UNIT&36" MAN TO MOIST SEP	111A2	1	
ANCHORS AT UNIT&36"O.D. MAN TO MOIST SEP	111A3	1	
ANCHORS&36" MAN TO MOIST SEP	111A4	1	
14" STM FROM 36" MAN TO ANCHOR	111B1	1	
M.S. TURB B.P.-R.H. 14" STM FROM 36" HDR	111B2	1	
14" STM FROM 36" MAN TO ANCHOR	111B3	1	
M.S. TURB B.P.-R.H. 14" STM FROM 36" HDR	111B4	1	
M.S. TURB B.P.-R.H. FROM ANCHOR TO MOIST SEP TO COND	111C1	1	
M.S. TURB B.P.-R.H. FROM A7 TO MOIST SEP & COND	111C2	1	

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M.S. TURB B.P. FROM A7 TO MOIST SEP	111C3	1	3-69
M.S. TURB B.P.&R.H. MOIST SEP TO COND	111C4	1	
M.S. TURB B.P.&R.H. 8" LN FROM ANCHOR TO MOIST SEP	111D1	1	
8" LN-ANCHOR TO MOIST SEP	111D2	1	
8" LN-ANCHOR TO MOIST SEP	111D3	1	
8" LN-ANCHOR TO MOIST SEP	111D4	1	
M.S. TURB B.P.&R.H. FROM ANCHOR TO COND	111E1	1	
M.S. ANCHOR TO COND	111E2	1	
M.S. TURB B.P.&R.H. FROM ANCHOR TO COND	111E3	1	
M.S. ANCHOR TO COND	111E4	1	
M.S. TURB B.P.&R.H. FROM ANCHOR TO COND	111F1	1	
M.S. ANCHOR TO COND	111F2	1	
M.S. TURB B.P.&R.H. FROM ANCHOR TO COND	111F3	1	
M.S. ANCHOR TO COND	111F4	1	
M.S. TURB B.P.&R.H.&UNIT TO MOIST SEP	111G1	1	
M.S. TURB B.P.-R.H.-C.L. UNIT TO MOIST SEP	111G2	1	
M.S. TURB B.P.&R.H. UNIT TO MOIST SEP	111G3	1	
M.S. TURB B.P.-R.H.-C.L. UNIT TO MOIST SEP	111G4	1	
M.S. TURB B.P.&R.H. NORTHERN R.H. STM EQUAL LN	111J1	1	
M.S. TURB B.P.&R.H. NORTHERN R.H. STM EQUAL LN	111J2	1	
M.S. TURB B.P.&R.H. NORTHERN R.H. STM EQUAL LN	111J3	1	
NORTHERN R.H. STM EQUAL LN	111J4	1	
M.S. TURB B.P.&R.H. SOUTHERN R.H. STM EQUAL LN	111K1	1	
SOUTHERN R.H. STM EQUAL LN	111K2	1	
SOUTHERN R.H. STM EQUAL LN	111K3	1	
SUMMARY OF STRESS	111K4	1	
M.S. TURB B.P.&R.H. SUMMARY OF REAC AT ANCHORS	111L	1	
MN STM TURB B.P.&R.H. LNS	111M	1	
M.S. TURB B.P.&R.H. TO COND	111N1	1	12-69
M.S. TURB B.P.&R.H. TO COND	111N2	1	12-69
M.S. TURB B.P.&R.H. TO COND	111P1	1	12-69
M.S. TURB B.P.&R.H. TO COND	111P2	1	12-69
COMP COOL WTR TO&FROM	112S1	3	3-72
COMP COOL WTR TO&FROM	112S2	3	
COMP COOL PP TO&FROM RES HT. EXCH	112S3	3	
COMP COOL PP TO&FROM	112S4	3	
COMP COOL WTR FROM	112AA1	3	
COMP COOL WTR FROM	112AA2	3	
COMP COOL WTR FROM	112AA3	3	
COMP COOL WTR FROM	112AA4	3	
COMP COOL WTR TO	112AB1	2	
COMP COOL WTR TO	112AB2	2	
COMP COOL WTR TO	112AB3	2	
COMP COOL WTR TO	112AB4	2	
AUX STM-36" MAN TO COND&FLASH EVAP	113A	1	5-69
AUX STM-36" MAN TO COND&FLASH EVAP	113B	1	5-69
AUX STM-36" MAN TO COND&FLASH EVAP	113C	1	5-69
REL LNS FROM SEP TO MAN	115A	1	3-69

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Title	No.	CURRENT REVISION NO.	CURRENT REVISION DATE
REL LNS FROM SEP TO MAN	115B	1	3-69
REL LNS FROM SEP TO MAN	115C	1	
REL LNS FROM SEP TO MAN	115D	1	
PRESS SURGE LN	116A	1	2-70
PRESS SURGE LN	116B	1	
PRESS SURGE LN	116C	1	
RES HT REMOV-COOL LN THRU HTRS	117A1	4	4-71
RES HT REMOV SYS	117A2	2	
RES HT REMOV SYS	117A3	2	
RES HT REMOV PUMP PP	117A4	2	
RES HT REMOV COOL LN THRU HTRS	117A5	3	10-71
RES HT REMOV-COOL LN THRU HTRS	117A6	2	10-71
RES HT REMOV SYS	117A7	2	10-71
RES HT REMOV SYS	117B1	3	4-72
RES HT REMOV SYS	117B2	3	
RES HT REMOV SYS	117B3	3	
RES HT REMOV SYS	117B4	3	
RES HT REMOV SYS	117B5	2	
RES HT REMOV SYS	117B6	2	
6" RES HT LN TO REFUEL PUMP DISCH	117C1	1	3-71
6" RES HT LN TO REFUEL PUMP DISCH	117C2	1	
6" RES HT LN TO REFUEL PUMP DISCH	117C3	1	
RES HT REMOV SYS	117C4	1	
RES HT REMOV TO REL TK	117D1	1	4-72
RES HT REMOV TO REL TK	117D2	1	4-72
RES HT REMOV TO REL TK	117D3	1	4-72
STM GEN FD WTR-AUX SYS	118A	3	10-71
STM GEN FD WTR-AUX SYS	118B	2	
STM GEN FD WTR-AUX SYS	118D	3	
STM GEN FD WTR-AUX SYS	118F	2	
AUX STM GEN FD WTR-OUTSIDE CONT	118G	2	
AUX STM GEN FD WTR-OUTSIDE CONT	118H	2	
AUX STM GEN FD WTR-OUTSIDE CONT	118J	2	
AUX STM GEN FD WTR-OUTSIDE CONT	118K	2	
AUX STM GEN FD WTR-SUCTION LNS	118L	1	8-69
AUX STM GEN FD WTR-SUCTION LNS	118M	1	
AUX STM GEN FD WTR-SUCTION LNS	118N	1	
AUX STM GEN FD WTR-SUCTION LNS	118P	2	5-72
AUX STM GEN FD WTR-SUCTION LNS	118Q	2	5-72
SERV WTR LNS	119A1	1	2-70
SERV WTR LNS	119B1	1	
SERV WTR LNS	119C1	1	
FD WTR PP SUCTION&H.P. HTR.DRN PP SUCTION&DISCH	120A	1	5-69
24" O.D. BAL EXP JT.-H.P. HTR DRN PP-SUCTION	120B	1	3-69
RHR & LOW HD SFTY INJ	122A1	2	4-72
RHR & LOW HD SFTY INJ	122A2	2	
RHR & LOW HD SFTY INJ SYS	122A3	2	
RHR & LOW HD SFTY INJ SYS	122A4	2	

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Title	No.	CURRENT REVISION NO.	CURRENT REVISION DATE
LOW HD SFTY INJ	122D1	3	4-71
LOW HD SFTY INJ SYS NO. 2	122D2	1	2-70
LOW HD SFTY INJ SYS NO. 2	122D3	3	5-72
LOW HD SFTY INJ SYS NO. 2	122D4	2	5-72
CHEM&VOL CONTROL SYS-REAC CONT SH 1	122H1	1	3-70
CHEM&VOL CONTROL SYS-REAC CONT SH 2	122J1	1	3-70
LOW HD SFTY INJ SYS NO. 3	122K1	1	1-70
LOW HD SFTY INJ SYS NO. 3	122K2	1	1-70
LOW HD SFTY INJ SYS NO. 3	122K3	2	5-72
LOW HD SFTY INJ SYS NO. 3	122K4	2	5-72
CONT & RECIRC SPRAY SYS	123A1	3	3-72
CONT & RECIRC SPRAY SYS	123A2	3	3-72
CONT & RECIRC SPRAY SYS	123A3	3	
CONT & RECIRC SPRAY SYS	123A4	2	
CONT & RECIRC SPRAY SYS	123B1	3	3-71
CONT & RECIRC SPRAY SYS	123B2	1	6-69
CONT & RECIRC SPRAY SYS	123B3	2	5-72
CONT SPRAY SYS	123B4	2	5-72
CONT & RECIRC SPRAY SYS	123C1	3	10-71
CONT & RECIRC SPRAY SYS	123C2	2	
CONT & RECIRC SPRAY SYS	123C3	2	
CONT & RECIRC SPRAY SYS	123C4	2	
CONT & RECIRC SPRAY SYS	123D1	1	6-69
CONT & RECIRC SPRAY SYS	123D2	1	6-69
CONT & RECIRC SPRAY SYS	123D3	2	5-72
CONT & RECIRC SPRAY SYS	123D4	2	5-72
CONT & RECIRC SPRAY SYS	123E1	4	4-72
CONT & RECIRC SPRAY SYS	123E2	4	4-72
CONT & RECIRC SPRAY SYS	123E3	4	3-72
CONT & RECIRC SPRAY SYS	123E4	4	4-72
CONT & RECIRC SPRAY SYS	123F2	2	3-72
CONT & RECIRC SPRAY SYS	123F3	2	
CONT & RECIRC SPRAY SYS	123F4	2	
CONT RECIRC SPRAY FROM EXCH TO PUMP	123G1	4	12-71
CONT RECIRC SPRAY FROM EXCH TO PUMP	123G2	3	
CONT RECIRC SPRAY FROM EXCH TO PUMP	123G3	3	
CONT RECIRC SPRAY FROM EXCH TO PUMP	123G4	3	
CONT RECIRC SPRAY FROM EXCH TO PUMP	123G5	2	
CONT & RECIRC SPRAY SYS	123H1	3	3-72
CONT & RECIRC SPRAY SYS	123H2	3	
CONT & RECIRC SPRAY SYS	123H3	3	
CONT & RECIRC SPRAY SYS	123H4	2	11-71
CONT RECIRC SPRAY	123J1	1	3-71
CONT RECIRC SPRAY	123J2	1	
CONT RECIRC SPRAY	123J3	1	
CONT RECIRC SPRAY	123J4	1	
CONT RECIRC SPRAY	123K1	1	
CONT RECIRC SPRAY	123K2	1	

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Title	No.	CURRENT REVISION	
		NO.	DATE
CONT RECIRC SPRAY	123K3	1	3-71
CONT RECIRC SPRAY	123K4	2	5-72
CONT RECIRC SPRAY	123K5	2	5-72
CONT SPRAY-PUMP SUCTION	123L1	1	3-71
CONT SPRAY-PUMP SUCTION	123L2	1	3-71
CONT SPRAY-PUMP SUCTION	123L3	2	5-72
CONT SPRAY-PUMP SUCTION	123L4	2	5-72
CONT SPRAY-PUMP SUCTION	123M1	1	3-71
CONT SPRAY-PUMP SUCTION	123M2	1	3-71
CONT SPRAY-PUMP SUCTION	123M3	2	5-72
CONT SPRAY-PUMP SUCTION	123M4	2	5-72
RECIRC SPRAY PP FROM PUMP DISCH	123N1	1	3-71
CONT RECIRC SPRAY	123N2	1	3-71
CONT RECIRC SPRAY	123N3	2	5-72
CONT RECIRC SPRAY	123N4	2	5-72
CONT SPRAY PUMP DISCH PP	123P1	1	3-71
CONT SPRAY PUMP DISCH PP	123P2	1	3-71
DISCH PP FOR UNIT 2	123P3	2	5-72
CONT SPRAY PUMP DISCH PP	123P4	2	5-72
CONT & RECIRC SPRAY SYS	123Q1	3	12-71
CONT & RECIRC SPRAY SYS	123Q2	3	
CONT & RECIRC SPRAY SYS	123Q3	2	
CONT & RECIRC SPRAY SYS	123Q4	2	
CONT & RECIRC SPRAY SYS	123Q5	2	
PRESS REL PP	124A	2	
PRESS REL PP	124B	2	
PRESS REL PP	124C	2	
PRESS REL PP	124D	2	
PRESS REL PP	124E	2	
PRESS REL PP	124F	1	
PRESS REL PP	124G	1	
PRESS REL PP	124H	1	
PRESS SPRAY PP	125A	3	11-71
PRESS SPRAY PP	125B	3	
PRESS SPRAY PP	125C	3	
PRESS SPRAY PP	125D	3	
PRESS SPRAY PP	125E	3	
PRESS SPRAY PP	125F	3	
PRESS SPRAY PP	125G	3	
PRESS SPRAY PP	125H	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A1	1	6-76
LOW HD SFTY INJ PP OUTSIDE CONT	127A2	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A3	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A4	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A5	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A6	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127A7	1	
LOW HD SFTY INJ PP OUTSIDE CONT	127B1	1	

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Title			No.	CURRENT REVISION NO.	DATE
LOW HD SFTY INJ PP OUTSIDE CONT			127B2	1	6-76
LOW HD SFTY INJ PP OUTSIDE CONT			127B3	1	
LOW HD SFTY INJ PP OUTSIDE CONT			127B4	1	
LOW HD SFTY INJ PP OUTSIDE CONT			127B5	1	
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS			127C1	2	4-72
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS check →			127C2	2	
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS			127C3	2	
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS			127C4	2	
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS			127C5	2	
CONT RECIRC SPRAY & LOW HD SFTY INJ SYS			127C6	2	
YD PP			127D1	3	
YD PP			127D2	3	
YD PP			127D3	3	
YD PP			127D4	3	
LOW HD SFTY INJ PP-AUX BLDG			127F1	2	11-71
LOW HD SFTY INJ PUMP			127F2	2	
LOW HD SFTY INJ PP-AUX BLDG			127F3	2	
LOW HD SFTY INJ PP-AUX BLDG			127F4	2	
MOD SFTY INJ SYS AUX BLDG&REAC CONT			127H	1	12-71
MOD SFTY INJ SYS REAC CONT NO. 2		SH 1	127J1	1	3-72
MOD SFTY INJ SYS REAC CONT NO. 2		SH 2	127J2	1	
MOD SFTY INJ SYS REAC CONT NO. 2		SH 3	127J3	2	
LOW HD SFTY INJ SYS			127K1	1	
LOW HD SFTY INJ SYS			127K2	1	
LOW HD SFTY INJ SYS			127K3	1	
LOW HD SFTY SYS			127K4	1	
3" H.P. STM (PART 1)			131A1	2	11-71
3" H.P. STM (PART 1)			131A2	2	
3" H.P. STM (PART 1)			131A3	2	
3" H.P. STM (PART 1)			131A4	2	
3" H.P. STM (PART 1)			131A5	1	
H.P. STM TO PUMPS			131B1	2	1-72
H.P. PP TO PUMPS			131B2	2	
H.P. PP TO PUMPS			131B3	2	
H.P. PP TO PUMPS			131B4	2	
H.P. PP TO PUMPS			131B5	2	
H.P. PP TP PUMPS			131B6	1	
REAC CONT ANN PP	(FP-3A)	SH 1	132A1	1	2-70
REAC CONT ANN PP	(FP-3B)	SH 2	132A2	1	
REAC CONT ANN PP	(FP-3C)	SH 3	132A3	1	
REAC CONT ANN PP	(FP-3D)	SH 4	132A4	1	
REAC CONT ANN PP	(FP-3E)	SH 5	132A5	1	
REAC CONT ANN PP	(FP-3F)	SH 6	132A6	1	
REAC CONT ANN PP	(FP-3G)	SH 7	132A7	1	
REAC CONT ANN PP	(FP-3H)	SH 8	132A8	1	
REAC CONT ANN PP	(FP-3J)	SH 9	132A9	1	
REAC CONT ANN PP	(FP-3K)	SH 10	132A10	1	
REAC CONT ANN PP	(FP-3L)	SH 11	132A11	1	
REAC CONT ANN PP		SH 10	132A12	1	4-72

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REAC CONT CUB NO. 1 PP		SH 1	132B1	1	3-70
REAC CONT CUB NO. 1 PP		SH 2	132B2	1	
REAC CONT CUB NO. 1 PP		SH 3	132B3	1	
REAC CONT CUB NO. 2 PP		SH 1	132C1	1	
REAC CONT CUB NO. 2 PP		SH 2	132C2	1	
REAC CONT CUB NO. 3 PP		SH 1	132D1	1	
REAC CONT CUB NO. 3 PP		SH 2	132D2	1	
EJECTOR VTS&MISC SV DISCH LNS	(FP-42A)	SH 1	142A1	1	10-69
EJECTOR VTS&MISC SV DISCH LNS	(FP-42B)	SH 2	142A2	1	10-69
ARRGT OF INCORE INSTRUM	(FM-42B)	SH 2	143A1	1	3-71
MOIST SEP&REHTR DRN LNS		SH 1	500A	1	8-69
MOIST SEP&REHTR DRN LNS		SH 2	500B	1	
MOIST SEP&REHTR DRN LNS		SH 3	500C	1	
TURB GLAND STM LNS		SH 1	501A	1	7-69
TURB GLAND STM LNS		SH 2	501B	1	7-69
SLIDING SUPP-5TH PT EXT			112967	1	3-69
PP-OIL DRN GUARD ASSY		SH 1	502A	1	11-69
PP-OIL DRN GUARD ASSY		SH 2	502B	1	11-69
PP-OIL DRN GUARD ASSY		SH 3	502C	1	
PP-OIL DRN GUARD ASSY		SH 4	502D	1	

TABLE 1

QA CATEGORY I PIPING
LINE TABLE

SURRY POWER STATION
UNIT 1

NOTES AND LEGEND

All Category I Piping is listed by system name and flow diagram (FM). Line number representation is as follows:

eg. 30 - SHP - 1 601

- 30 — Nominal Pipe Size, Inches
- SHP — Fluid Symbol
- 601 — Pipe Class (NUS-20)
- 1 — Line Number

The Verification Category identified in the line table is in response to as-built inspection requirements of safety related piping addressed in IE Bulletin No. 79-14 (7-2-79)

A. Piping verification completed as part of the "Show Cause" Pipe Stress Reanalysis Effort.

B. Piping to be inspected as described in Item 2 of IE Bulletin No. 79-14.

C. Piping to be inspected as described in Item 3 of IE Bulletin No. 79-14.

D. Piping 2 inch and less which does not require as-built inspection (IE Bulletin No. 79-14 Rev. 1).

E. Piping buried in concret or underground.

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
Main Steam/FM-14A	30-SHP-1-601	X					
	30-SHP-2-601	X					
	30-SHP-3-601	X					
	30-SHP-22-601	X					
	30-SHP-23-601	X					
	30-SHP-24-601	X					
	4-SHP-25-601	X					
	4-SHP-26-601	X					From 30"-SHP-23 to and including PCV-MS-103A
	4-SHP-27-601	X					
	3-SHP-28-601	X					
	3-SHP-29-601	X					
	3-SHP-30-601	X					
	3-SHP-31-601	X					
	3-SHP-32-601	X					
	4-SHP-37-601	X					
	4-SHP-38-601	X					
	4-SHP-39-601	X					
	3-SHP-57-601	X					
	6-SHP-45-601		X				
	6-SHP-46-601		X				
High Pressure Steam Drains/FM-14A	3-SHPD-5-601		X				From 1 1/2"-SHPD-7 to and including TV-MS-109
	1 1/2-SHPD-6-601				X		
	1 1/2-SHPD-7-601				X		
	1 1/2-SHPD-8-601				X		
	2-SHPD-16-601				X		From Line 1 1/2"-SHPD-6 to and including TV-MS-110
Feedwater/FM-18A	14-WFPD-9-601	X					From 1-RC-E-1C to and including Second Check Valve
	14-WFPD-13-601	X					From 1-RC-E-1B to Second Check Valve
	14-WFPD-17-601	X					From 1RC-E-1A to Second Check Valve
Auxiliary Feedwater/FM-18A	6-WAPD-1-601	X					

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	6-WAPD-2-601	X					
	6-WAPD-3-601	X					
	6-WAPD-4-601	X					
	4-WAPD-5-601	X					
	4-WAPD-6-601	X					
	4-WAPD-7-601	X					
	4-WAPD-8-601	X					
	3-WAPD-9-601	X					
	3-WAPD-10-601	X					
	3-WAPD-11-601	X					
	3-WAPD-12-601	X					
	3-WAPD-13-6-1	X					
	3-WAPD-14-601	X					
	1-WAPD-15-601				X		
	1-WAPD-16-601				X		
	1-WAPD-17-601				X		
	1-WAPD-18-601				X		
	2-WAPD-19-601				X		
	1-WAPD-20-601				X		
	1-WAPD-21-601				X		
Service Water/FM-21A	42-WS-12-10		X				From MOV-SW-102B to 42"-WS-13
	42-WS-13-10		X				From MOV-SW-102A to 42"-WS-14
	30-WS-14-10		X				
	30-WS-15-10		X				
	30-WS-16-10			X			
	30-WS-17-10		X				
	30-WS-18-10		X				
	30-WS-19-10			X			
	42-WS-20-10		X				
	30,36-WS-21-10		X				
	30-WS-22-10		X				
	30,36-WS-23-10		X				
	30-WS-24-10		X				
	24-WS-26-10	X					
	24-WS-28-10	X					
	24-WS-30-10	X					
	24-WS-32-10	X					
	24-WS-33-10	X					

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	24-WS-34-10	X					
	24-WS-35-10	X					
	24-WS-36-10	X					
	30-WS-37-10		X				
	30-WS-38-10			X			
	24-WS-39-10					X	
	30-WS-40-10			X			
	30-WS-41-10			X			
	10-WS-43-10		X				
	24-WS-51-10					X	
	24-WS-52-10					X	
	3-WS-53-136		X				
	3-WS-54-136		X				
	3-WS-55-136			X			
	3-WS-56-136			X			
	3-WS-57-136			X			
	3-WS-58-136			X			
	96-WC-1-10					X	
	96-WC-2-10					X	
	96-WC-3-10					X	
	96-WC-4-10					X	
Service Water/FM-21B	2-WS-70-136				X		
	2-WS-71-136				X		
	2-WS-72-136				X		
	2-WS-73-136				X		
	2-WS-74-21B				X		
	2-WS-75-21B				X		
	2-WS-76-21B				X		
	2-WS-77-21B				X		
	2-WS-78-21B				X		
	2-WS-79-21B				X		
	2-WS-80-21B				X		
	1 1/2-WS-81-21B				X		
	1 1/2-WS-82-21B				X		
	2-WS-83-21B				X		
	1 1/2-WS-84-21B				X		
	1 1/2-WS-85-21B				X		
	1 1/2-WS-86-21B				X		
	1 1/2"-WS-87-21B				X		
	2-WS-88-21B				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3-WS-89-136		X				
	2-WS-90-136				X		
Component Cooling/ FM-22	18,24-CC-1-121	X					
	18-CC-2-121	X					
	18,24-CC-3-121	X					
	18-CC-4-121	X					
	18-CC-5-121	X					
	18-CC-6-121	X					
	18-CC-7-121	X					
	18-CC-8-121	X					
	18-CC-9-121	X					
	18-CC-10-121	X					
	18-CC-16-121	X					
	18-CC-17-121	X					
	18-CC-19-121	X					
	6-CC-20-151	X					
	6-CC-21-151	X					
	6-CC-22-151	X					
	12-CC-34-121	X					
	1-CC-55-151				X		
	8-CC-61-151	X					
	6-CC-62-151	X					
	6-CC-64-151	X					
	2-CC-65-121				X		From 10"-CC-67 to VGT-2OE
	4,8-CC-66-151	X					
	4,10-CC-67-121	X					
	8-CC-67-151	X					
	2-CC-68-121				X		From VGT-2OE to 8"-CC-70
	8-CC-69-151	X					
	10,14-CC-70-121	X					
	3-CC-73-151		X				
	1-CC-74-151				X		From VBW-15A to 18"-CC-17
	8,4-CC-75-151	X					At penetration from VGW-15A to inside cont.
	6,-CC-76-151		X				At penetration from VGW-15A to inside cont.
	6,4-CC-77-151		X				At penetration from VGW-15A to inside cont.
	6,4,8-CC-78-151	X					At penetration from TV-CC-110A

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	6,4,8-CC-79-151		X				to inside cont. At penetration from TV-CC-110B to inside cont.
	6,4-CC-80-151		X				At penetration from TV-CC-110C to inside cont.
	10-CC-81-121	X					
	3-CC-82-151			X			
	3-CC-83-151			X			
	1-CC-84-151				X		
	3,6-CC-85-151	X					
	3-CC-86-151			X			
	1-CC-87-151				X		
	10-CC-89-121	X					
	3-CC-90-151			X			
	3-CC-91-151			X			
	1-CC-92-151				X		
	3,6-CC-93-151	X					
	3-CC-94-151			X			
	1-CC-95-151				X		
	2 1/2-CC-96-151			X			
	6,2 1/2-CC-97-151	X					
	3-CC-98-151			X			
	3-CC-99-151			X			
	1-CC-100-151				X		
	3,6-CC-101-151	X					
	3-CC-102-151			X			
	1-CC-103-151				X		
	2 1/2-CC-104-151	X					
	6,4-CC-105-151	X					
	3-CC-107-151	X					
	4-CC-108-151	X					
	1-CC-109-151				X		
	3-CC-112-151	X					
	4-CC-113-151	X					
	3,2 1/2-CC-127-151	X					From 8"-CC-143 to VGW-15A
	3-CC-200-151			X			
	3-CC-201-151			X			
	3-CC-202-151			X			
	3-CC-203-151			X			
	3-CC-204-151			X			
	3-CC-205-151			X			
	3-CC-206-151			X			From 1 1/2"-CC-246 to

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3,6-CC-207-151	X					VGW-15A From 6"-CC-207 to VGW-15A
	18-CC-220-121	X					
	6-CC-222-151	X					
	18-CC-223-121	X					
	18-CC-224-121	X					
	18-CC-225-121	X					
	18,24-CC-226-121	X					
	18-CC-227-121	X					
	18-CC-228-121	X					
	18-CC-229-121	X					
	18-CC-230-121	X					
	18-CC-231-121	X					
	18-CC-232-121	X					
	18-CC-233-121	X					
	18-CC-234-121	X					
	3/4-CC-238-151				X		
	1 1/2-CC-246-151				X		
	1 1/2-CC-247-151				X		
	3,1-CC-248-151			X			
	3/4-CC-249-151				X		
	2-CC-257-151				X		
	1 1/2-CC-261-151				X		
	3/4-CC-262-151				X		
	3-CC-285-151			X			From LCV-CC-100 to 6"-CC-20
	1 1/2-CC-295-151				X		
	2,1-CC-296-151				X		
	1-CC-301-151				X		
	3/4-CC-302-151				X		
	3/4-CC-303-151				X		
	3/4-CC-304-151				X		
	1-CC-305-151				X		
	1 1/2-CC-306-151				X		
	1-CC-307-151				X		
	1 1/2-CC-308-151				X		
	8-CC-314-151	X					
	2-CC-335-151				X		
	2-CC-336-151				X		
	2-CC-337-151				X		
	1-CC-338-151				X		
	1-CC-339-151				X		
	2-CC-340-151				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2-CC-341-151				X		
	2-CC-342-151				X		
	1 1/2-CC-343-151				X		
	1 1/2-CC-244-151				X		
	1 1/2-CC-345-151				X		
	1 1/2-CC-346-151				X		
	1 1/2-CC-347-151				X		
	1 1/2-CC-348-151				X		
	2-CC-349-151				X		
	2-CC-350-151				X		
	2-CC-351-151				X		
	1-CC-364-151				X		From 8"-CC-61 to VGS-60B
	1-CC-382-151				X		
	1-CC-383-121				X		
	1-CC-385-121				X		
	1-CC-386-151				X		
	1-CC-387-151				X		
	1-CC-410-152				X		
	1 1/2-CC-411-152				X		
	1-CC-412-152				X		
	1-CC-413-152				X		
	1 1/2-CC-414-152				X		
	1-CC-415-152				X		
	1-CC-416-152				X		
	1 1/2-CC-417-152				X		
	1-CC-418-152				X		
	1-CC-419-152				X		
	1 1/2-CC-420-152				X		
	1-CC-421-152				X		
	1-CC-422-152				X		
	1 1/2-CC-423-152				X		
	1-CC-424-152				X		
	1-CC-424-152				X		
	1 1/2-CC-426-152				X		
	1-CC-427-152				X		
	1-CC-428-152				X		
	1 1/2-CC-429-152				X		
	1-CC-430-152				X		
	1-CC-431-152				X		
	1 1/2-CC-432-152				X		
	1-CC-433-152				X		
	1-CC-434-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1 1/2-CC-435-152				X		
	1-CC-436-152				X		
	1-CC-437-152				X		
	1 1/2-CC-438-152				X		
	1-CC-439-152				X		
	1-CC-440-152				X		
	1 1/2-CC-441-152				X		
	1-CC-442-152				X		
	1-CC-443-152				X		
	1 1/2-CC-444-152				X		
	1-CC-445-152				X		
	1-CC-446-153				X		
	1-CC-447-153				X		
	1-CC-448-153				X		
	1-CC-449-153				X		
	1-CC-450-153				X		
	1-CC-451-153				X		
	1-CC-452-153				X		
	1-CC-453-153				X		
	1-CC-454-153				X		
	1-CC-455-153				X		
	1-CC-456-153				X		
	1-CC-457-153				X		
	1-CC-458-153				X		
	1-CC-459-153				X		
	1-CC-460-153				X		
	1/4-CC-473-153				X		
	1/4-CC-474-153				X		
Instrument Air/FM-25A	2-ACC-9-21B				X		From second VGM-20S outside containment to VGM-20S inside Containment
	2-ACC-40-21B				X		From second VGM-20S outside containment to VGM-20S inside cont.
Service Air/FM-25A	5-ASC-57-151		X				

SURRY POWER STATION, UNIT 1

QA CATEGORY 1 PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
Boron Recovery/FM-29A&B	4-BR-1-152		X				From 1-BR-TK-3 to VDS-15Y
	4-BR-2-152			X			From 4"-BR-1 to VDS-15Y
	1-BR-5-152				X		From VBS-15Y to 1BR-TK-3
	2-BR-10-152				X		From VBS-15Y to 1-BR-EV-2
	4-BR-11-152		X				From 1-BR-EV-2 to VDF-15Y
	4-BR-12-152			X			From 4"-BR-11 to VDF-15Y
	4-BR-17-152		X				
	1 1/2-BR-18-152				X		
	3/4-BR-28-152				X		
	3/4-BR-31-152				X		
	2-BR-37-152				X		From 4"-BR-110 to VDS-15Y
	2-BR-40-152				X		From 4"-BR-155 to VDS-15Y
	2-BR-41-152				X		From 4"-BR-169 to VDS-15Y
	1 1/2-BR-57-152				X		From HVC-BR-101Cto 1-BR-EV-2
	2-BR-77-152				X		From VBS-15Y to 1-BR-EV-2
	3/4-BR-85-152				X		
	2-BR-86-152				X		
	3/4-BR-87-152				X		
	1 1/2-BR-88-152				X		
	2-BR-89-152				X		
	2-BR-97-152				X		
	1-BR-99-152				X		
	1-BR-101-152				X		
	4-BR-102-152		X				
	4-BR-110-152		X				
	4-BR-114-152			X			
	2-BR-143-152				X		
	3/4-BR-144-152				X		
	3/4-BR-146-152				X		
	3/4-BR-147-152				X		
	4-BR-149-152		X				
	4-BR-155-152			X			
	2-BR-160-152				X		
	1-BR-164-152				X		
	4-BR-168-153			X			
	3/4-BR-170-152				X		
Fuel Pit Systems/FM-31	12-FP-1-152	X					
	12-FP-2-152	X					
	12-FP-3-152	X					

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	12-FP-4-152	X					
	12-FP-5-152	X					
	12-FP-7-152	X					
	2 1/2-FP-8-152		X				
	2-FP-19-152				X		
	2-FP-21-152				X		
	2-FP-22-152				X		
	1-FP-23-152				X		
	1-FP-24-152				X		
	2 1/2-FP-26-152		X				
	2-FP-28-152				X		
	2-FP-29-152				X		
	12-FP-32-152	X					
	12-FP-33-152	X					
Sampling System/FM32A,B,C	3/8-SS-1-N9				X		
	3/8-SS-2-N9				X		
	3/8-SS-3-N9				X		
	3/8-SS-4-N9				X		
	3/8-SS-5-N9				X		
	3/8-SS-6-N9				X		
	3/8-SS-7-N9				X		
	3/8-SS-99-N9				X		
	3/8-SS-100-N9				X		
	3/8-SS-102-N9				X		
	3/8-SS-103-N9				X		
Drains/FM-100A&B	3/4-DG-1-152				X		
	2-DG-2-152				X		
	3/4-DG-3-152				X		
	1/2-DG-4-152				X		
	3/4-DG-5-152				X		
	3/4-DG-6-152				X		
	3/4-DG-7-152				X		
	1/2-DG-9-152				X		
	1/2-DG-10-152				X		
	3/4-DG-11-152				X		
	2-DG-12-152				X		
	2-DG-13-152				X		
	2-DG-14-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1/2-DG-15-152				X		
	1/2-DG-16-152				X		
	1/2-DH-17-152				X		
	2-DG-18-152				X		
	1/2-DG-20-152				X		
	3/4-DG-21-152				X		
	3-DG-24-152			X			
	1/2-DG-25-152				X		
	2-DG-33-152				X		
	2-DG-37-152				X		
	3-DG-40-152			X			
	3-DG-41-152		X				
	2-DG-42-152				X		
	2-DG-43-152				X		
	3/4-DG-44-152				X		
	1 1/2-DG-47-152				X		
	1/2-DG-50-152				X		
	1/2-DG-51-152				X		
	1/2-DG-52-152				X		
	1/2-DG-53-152				X		
	1/2-DG-54-152				X		
	1/2-DG-55-152				X		
	1/2-DG-56-152				X		
	1/2-DG-57-152				X		
	1/2-DG-58-152				X		
	1/2-DG-59-152				X		
	1/2-DG-60-152				X		
	1/2-DG-61-152				X		
	1/2-DG-62-152				X		
	1/2-DG-63-152				X		
	3/4-DG-65-152				X		
	3/4-DG-66-152				X		
	3/4-DG-67-152				X		
	3/4-DG-68-152				X		
	3/4-DG-69-152				X		
	3/4-DG-70-152				X		
	1/2-DG-71-152				X		
	1/2-DG-72-152				X		
	1 1/2-DG-73-152				X		
	1/2-DG-107-152				X		
	1/2-DG-116-152				X		
	1/2-DG-117-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1/2-DG-118-152				X		
	3-DG-150-302			X			From 1-DG-TK-1 to VDS-15Y
	3-DG-151-302			X			From 1-DG-TK-1 to VDS-15Y
	2-DA-21-152				X		From TV-DA-100B
Vents/FM-100A&B	2-VA-13-154				X		To Valve VGS-60B
	1-VA-15-154				X		To Valve VDS-152
	1-VG-1-152				X		From VDS-15Y to 1 1/2"-VG3
	2-VG-2-152				X		
	1 1/2-VG-3-152				X		
	3/4-VG-17-152				X		
Recirculation Spray/ FM-101A	10-RS-1-153	X					
	10-RS-2-153	X					
	10-RS-3-153	X					
	10-RS-4-153	X					
	12-RS-7-153			X			
	12-RS-8-153			X			
	10-RS-9-153	X					
	10-RS-10-153	X					
	10-RS-11-153	X					
	10-RS-12-153	X					
	1/2-RS-13-153				X		QAI from Valves VGS-15A to lines 10-RS-10 and 10-RS-9, valve included
	4-RS-14-153		X				
	4-RS-15-153		X				
	8-RS-20-153	X					
	8-RS-21-153	X					
	8-RS-22-153	X					
	8-RS-23-153	X					
	12-RS-24-153		X				
	1/2-RS-25-153				X		QAI from lines 10-RS-9 and 10-RS-10 to valves VGS-15A, valves included

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
Containment Spray/ FM-101A	12-CS-1-153	X				X	
	12-CS-2-153	X				X	
	10-CS-3-153	X					
	10-CS-4-153	X					
	4-CS-5-152		X				
	4-CS-6-152		X				
	1 1/2-CS-7-152				X		
	1/2-CS-8-153				X		
	6-CS-9-152		X				QAI from 1-CS-TK-1 to valve VBS-15Y, valve included
	6-CS-14-152		X				QAI from valve VOW-15Y to tank 1-CS-TK-1, valve included
	8-CS-22-153	X					
	8-CS-23-153	X					
	1/2-CS-24-ICN1				X		
	1/2-CS-25-ICN1				X		
	3-CS-26-153		X				
	6-CS-28-153		X				QAI from valve MOV-CS102A to line 6-CS-29-153
	6-CS-29-153		X				QAI from valve MOV-CS102B to tank 1-CS-TK-1
	8-CS-33-153	X					
	8-CS-34-153	X					
	4-CS-35-153		X				
	4-CS-36-153		X				
	1-CS-65-153				X		QAI to valve 1-VS-15A, valve included
	3/4-CS-77-152				X		
Containment Vacuum FM-102A	3/8-LM-1-N6				X		From 3/8"-LM-12-N7 to TV-LM-100A
	3/8-LM-2-N6				X		From 3/8"-LM-13-N7 to TV-LM-100A
	3/8-LM-3-N6				X		From 3/8"-LM-11-N7 to TV-LM-100E
	1/4-NA-11-N7				X		From 3/8"-LM-11-N7 to TV-LM-100E
	1/4-LM-12-N7				X		
	1/4-LM-13-N7				X		
	3/8-LM-14-N7				X		From Sealed Pres. Sys. to TV-LM-101A
	3/8-LM-15-N7				X		From Sealed Press. Sys. to TV-LM-101B
	1/4-LM-16-N7				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3/8-LM-17-N6				X		From 3/8"-LM-16-N7 to TV-LM-100G
	2-CV-1-154				X		OutsideCont. to TV-CV-150B
	2-CV-2-154				X		Outside Cont. to TV-CV-150D
	8-CV-8-151	X					Outside Cont. to Second VGW-15A
	4-CV-20-15Z			X			
	3/4-CV-21-152				X		
Reactor Coolant/FM-103 A&B	29-RC-1-2501R			*			
	31-RC-2-2501R			*			
	27 1/2-RC-3-2501R			*			
	29-RC-4-1501R			*			
	31-RC-5-2501R			*			
	27 1/2-RC-6-2501R			*			
	29-RC-7-2501R			*			
	31-RC-8-1501R			*			
	27 1/2-RC-9-2501R			*			
	12-RC-10-2501R			*			
	8-RC-11-2501R			X			
	8-RC-12-2501R			X			
	8-RC-13-2501R			X			
	4-RC-14-1502	X					
	4-RC-15-1502	X					
	6-RC-16-1502	X					
	6-RC-17-1502	X					
	6-RC-18-1502	X					
	6-RC-19-1502	X					
	6-RC-20-602	X					
	6-RC-21-1502	X					
	12-RC-22-1502	X					
	12-RC-23-1502	X					
	12-RC-24-1502	X					
	3/8-RC-32-ICN9				X		
	3/8-RC-33-ICN9				X		
	4-RC-34-1502	X					
	3-RC-35-1502	X					
	12-RC-36-602	X					
	6-RC-37-1502	X					
	6-RC-38-1502	X					
	6-RC-39-1502	X					
	6-RC-40-602	X					

*Piping reanalysis completed as part of steam generator replacement project

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	6-RC-41-602	X					
	6-RC-42-602	X					
	2-RC-44-1502				X		
	2-RC-45-1502				X		
	2-RC-46-1502				X		
	3/4-RC-47-1502				X		
	3/4-RC-48-1502				X		
	3/4-RC-49-1502				X		
	3/4-RC-50-1502				X		
	3/4-RC-51-1502				X		
	3-RC-52-152			X			
	2-RC-53-1502				X		
	2-RC-55-1502				X		
	2-RC-56-1502				X		
	2-RC-57-1502				X		
	2-RC-58-1502				X		
	2-RC-59-1502				X		
	1 1/2-RC-60-1502				X		
	3-RC-61-1502	X					
	6-RC-62-602	X					
	3/4-RC-63-1502				X		
	3/4-RC-64-1502				X		
	3/4-RC-65-1502				X		
	3/4-RC-66-1502				X		
	3/4-RC-67-1502				X		
	3/4-RC-92-1502				X		
	3/4-RC-93-1502				X		
	3/4-RC-94-1502				X		
	3/4-RC-95-1502				X		
	3/4-RC-96-1502				X		
	3/4-RC-97-1502				X		
	3/4-RC-98-1502				X		
	3/4-RC-99-1502				X		
	3/4-RC-100-1502				X		
	3/4-RC-101-1502				X		
	3/4-RC-102-1502				X		
	3/4-RC-103-1502				X		
	1 1/2-RC-104-1502				X		
	1 1/2-RC-105-1502				X		
	3/4-RC-106-1502				X		
	3/8-RC-107-ICN9				X		
	3/8-RC-108-ICN9				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2-RC-112-1502				X		
	2-RC-113-2501R				X		
	3/4-RC-114-1502				X		
	2-RC-115-1502				X		
	3-RC-116-1502			X			
	2-RC-117-1502				X		
	3/4-RC-118-1502				X		
	2-RC-119-2501R				X		
	3/4-RC-120-1502				X		
	2-RC-121-1502				X		
	1-RC-122-1502				X		
	1-RC-123-1502				X		
	1-RC-124-1502				X		
	1 1/2-RC-125-1502				X		
	2-RC-126-1502				X		
	3/4-RC-127-1502				X		
	2-RC-128-2501R				X		
	2-RC-129-1502				X		
	3/4-RC-130-1502				X		
	3-RC-131-1502			X			
	2-RC-132-1502				X		
	2-RC-133-2501R				X		
	3/4-RC-134-1502				X		
	3/4-RC-135-1502				X		
	1-RC-136-1502				X		
	1-RC-137-1502				X		
	1-RC-138-1502				X		
	2-RC-139-1502				X		
	3/4-RC-140-1502				X		
	1 1/2-RC-141-1502				X		
	2-RC-142-1502				X		
	3/4-RC-143-1502				X		
	2-RC-144-2501R				X		
	3/4-RC-145-1502				X		
	2-RC-146-1502				X		
	3-RC-147-1502			X			
	2-RC-148-1502				X		
	3/4-RC-149-1502				X		
	2-RC-151-1502				X		
	3/4-RC-152-1502				X		
	2-RC-153-1502				X		
	1-RC-154-1502				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1-RC-155-1502				X		
	1-RC-156-1502				X		
	2-RC-159-152				X		
	3/4-RC-161-1502				X		
	3/4-RC-162-1502				X		
	3/4-RC-163-1502				X		
	3/4-RC-165-1502				X		
	3/4-RC-166-1502				X		
	3/4-RC-167-152				X		
	3/4-RC-168-602				X		
	3/4-RC-169-152				X		
	3/4-RC-170-152				X		
	3/4-RC-171-152				X		
	3/4-RC-172-1502				X		
	3/4-RC-173-1502				X		
	3/4-RC-174-1502				X		
	1-RC-192-1502				X		
	2-RC-198-1502				X		
	2-RC-199-1502				X		
	2-RC-200-1502				X		
	3/4-RC-201-151				X		
	3/4-RC-225-1502				X		
	3/4-RC-226-1502				X		
	3/4-RC-227-1502				X		
	3/4-RC-228-1502				X		
	3/4-RC-229-1502				X		
	3/4-RC-230-1502				X		
	6-RC-320-1502			X			
Residual Heat Removal/ FM-104A	14-RH-1-1502	X					
	14-RH-2-602	X					
	2-RH-3-602				X		
	10-RH-4-602	X					
	10-RH-5-602	X					
	12-RH-6-602	X					
	10-RH-7-602	X					
	10-RH-8-602	X					
	10-RH-9-602	X					
	10-RH-10-602	X					
	1-RH-11-602				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	12-RH-12-602	X					
	3-RH-13-602	X					
	6-RH-14-602	X					
	4-RH-15-152	X					
	10-RH-16-1502	X					
	10-RH-17-1502	X					
	14-RH-18-602	X					
	12-RH-19-602	X					
	6-RH-20-152	X					
	3/4-RH-21-602				X		
	3/4-RH-22-602				X		From 12"-RH-602 to 3/4"-T58
	12-RH-23-602	X					
	3/4-RH-24-602				X		
	3/4-RH-25-602				X		
	3/8-RH-51-602				X		
	3/8-RH-52-602				X		
Chemical Volume and Control/FM-105A,B&C	3-CH-1-1502			X			
	3-CH-2-1503		X				
	3-CH-3-1503		X				
	2-CH-5-1502				X		
	2-CH-6-602				X		
	2-CH-7-602				X		
	2-CH-8-1503				X		
	2-CH-9-1503				X		
	2-CH-10-1503				X		
	3-CH-11-1503		X				
	2-CH-12-1503				X		
	2-CH-13-1503				X		
	2-CH-14-1502				X		
	2-CH-15-1502				X		
	2-CH-16-1502				X		
	8-CH-17-152		X				
	6-CH-18-152		X				
	6-CH-19-152		X				
	3/4-CH-20-1503				X		
	2-CH-21-1503				X		
	2-CH-22-1503				X		
	3-CH-23-152		X				
	3-CH-24-152		X				

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3-CH-25-152		X				
	2-CH-26-152				X		
	2-CH-27-152				X		
	2-CH-28-152				X		
	2-CH-29-152				X		
	3-CH-30-152		X				
	2-CH-31-152				X		
	2-CH-32-152				X		
	2-CH-33-152				X		
	2-CH-34-152				X		
	2-CH-35-152				X		
	2-CH-36-152				X		
	2-CH-37-152				X		
	2-CH-38-152				X		
	2-CH-39-152				X		
	2-CH-40-152				X		
	2-CH-41-152				X		QA I from 3-CH-44-152 to valve VDS-15Y
	2-CH-42-152				X		QA I from 3-CH-45-152 to valve VDS-15Y
	2-CH-43-152				X		QA I from 3-CH-46-152 to valve VDS-15Y
	3-CH-44-152		X				QA I from tank 1-CH-TK-1A to loop seal
	3-CH-45-152			X			QA I from tank 1-CH-TK-1B to loop seal
	3-CH-46-152			X			QA from tank 1-CH-TK-1C loop seal
	3-CH-47-152		X				
	3-CH-48-152		X				
	3-CH-49-152		X				
	3-CH-50-152		X				
	3-CH-51-152		X				
	2-CH-52-152				X		
	2-CH-53-152				X		
	1 1/2-CH-55-152				X		
	1-CH-56-152				X		
	1-CH-57-152				X		
	2-CH-58-152				X		
	2-CH-59-152				X		
	1-CH-60-152				X		QA I from 8 to valve 1-X42D

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2-CH-61-152				X		
	2-CH-62-152				X		
	3-CH-63-152		X				
	2-CH-64-152				X		
	3-CH-65-152			X			
	3/4-CH-67-152				X		
	2-CH-68-1502				X		
	3-CH-69-1503		X				
	3-CH-70-1503			X			
	3-CH-71-1503			X			
	6-CH-72-152	X					
	3-CH-73-152		X				
	2-CH-74-1503				X		
	2-CH-75-1503				X		
	2-CH-76-1503				X		
	2-CH-77-1503				X		
	2-CH-78-152				X		
	3-CH-79-1503			X			
	4-CH-80-1503		X				
	3-CH-81-1503		X				
	2-CH-82-1502				X		
	2-CH-83-1502				X		
	2-CH-84-1502				X		
	2-CH-85-602				X		
	2-CH-86-602				X		
	3-CH-87-152		X				
	2-CH-88-152				X		
	4-CH-89-1503		X				
	2-CH-90-1503				X		
	2-CH-91-1503				X		
	2-CH-92-1503				X		
	2-CH-93-1502				X		
	2-CH-94-1503				X		
	2-CH-95-1502				X		
	2-CH-96-1503				X		
	2-CH-97-1502				X		
	3/4-CH-98-1503				X		
	3-CH-99-152			X			
	3-CH-100-152		X				
	3/4-CH-101-1502				X		
	3/4-CH-102-1502				X		
	3/4-CH-103-1502				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3/4-CH-105-1502				X		
	3/4-CH-106-1502				X		
	3/4-CH-108-1502				X		
	3/4-CH-109-1502				X		
	3/4-CH-111-1502				X		
	4-CH-112-152		X				
	3-CH-113-1503		X				
	2-CH-114-1503				X		
	3/4-CH-115-1503				X		
	3/4-CH-116-1503				X		
	2-CH-117-152				X		
	3-CH-118-152		X				
	3-CH-119-152		X				
	2-CH-120-152				X		
	3-CH-121-152		X				
	2-CH-122-152				X		
	3/4-CH-123-1502				X		
	3/4-CH-124-152				X		
	2-CH-125-602				X		
	2-CH-126-152				X		
	2-CH-127-152				X		
	2-CH-128-152				X		
	3-CH-129-152		X				
	2-CH-130-152				X		
	3-CH-131-152		X				
	2-CH-132-152				X		
	3-CH-133-152		X				
	2-CH-134-152				X		
	3-CH-135-152		X				
	3-CH-136-152		X				
	2-CH-137-152				X		
	2-CH-138-152				X		
	1-CH-139-152				X		
	1-CH-140-152				X		
	2-CH-141-152				X		
	2-CH-142-152				X		
	2-CH-143-152				X		
	2-CH-143-152				X		
	3/4-CH-145-152				X		
	3/4-CH-146-152				X		
	3/4-CH-147-152				X		
	2-CH-148-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2-CH-149-152				X		
	2-CH-150-152				X		
	1-CH-152-152				X		
	1-CG-153-152				X		
	1-CH-154-152				X		
	2-CH-155-152				X		
	2-CH-156-152				X		
	2-CH-158-152				X		
	2-CH-159-152				X		
	2-CH-160-151				X		
	2-CH-162-151				X		
	1-CH-163-152				X		
	3/4-CH-164-152				X		
	1-CH-165-152				X		
	3/4-CH-166-1503				X		
	3/4-CH-167-1503				X		
	2-CH-168-152				X		
	2-CH-169-152				X		
	2-CH-170-152				X		
	2-CH-171-152				X		
	3/4-CH-172-152				X		
	2-CH-173-152				X		
	3/4-CH-174-152				X		
	2-CH-175-152				X		
	3/4-CH-176-152				X		
	2-CH-177-152				X		QA I from line 2-CH-167-152 to valve 2-X42D
	3/4-CH-178-152				X		QA I from tank 1-CH-TK-5 to valve 1-X42D
	3/4-CH-179-152				X		QA I from line 2-CH-34-152 to valve 3/4-X42D
	3/4-CH-180-152				X		
	3/4-CH-181-152				X		QA I from line 2-CH-34-152 to valve 3/4-X42D
	3/4-CH-182-152				X		
	3/4-CH-183-152				X		
	3/4-CH-184-152				X		
	3/4-CH-185-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3/4-CH-186-152				X		
	3/4-CH-187-152				X		
	3/4-CH-188-1503				X		
	3/4-CH-189-1503				X		
	3/4-CH-190-152				X		
	3-CH-191-152		X				
	3-CH-192-152		X				
	3-CH-193-152		X				
	4-CH-194-152		X				
	2-CH-195-152				X		QA I from 1-CH-BL-1 to valve 2-X42D
	2-CH-196-152				X		
	3/4-CH-197-152				X		QA I from 2-CH-196-152 to valve 3/4-X42D
	2-CH-199-152				X		
	3-CH-200-152		X				
	6-CH-201-152	X					
	6-CH-202-152	X					
	6-CH-203-152	X					
	8-CH-204-152	X					
	8-CH-205-152	X					
	8-CH-206-152	X					
	3/4-CH-207-152				X		
	3/4-CH-208-152				X		
	3/4-CH-209-152				X		
	2-CH-210-152				X		
	2-CH-211-152				X		
	2-CH-212-152				X		
	2-CH-213-152				X		
	2-CH-214-152				X		
	2-CH-215-152				X		
	2-CH-216-152				X		
	3/4-CH-217-152				X		
	3/4-CH-218-152				X		
	3/4-CH-219-152				X		
	1-CH-220-152				X		
	1-CH-221-152				X		
	3/4-CH-223-1502				X		
	3/4-CH-224-152				X		
	3/4-CH-225-152				X		
	3/4-CH-226-152				X		
	1-CH-229-152				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1-CH-230-152				X		
	2-CH-231-1503				X		
	2-CH-232-602				X		
	2-CH-233-602				X		
	3/4-CH-234-152				X		
	1/2-CH-236-152				X		
	1-CH-237-152				X		
	3-CH-238-152		X				
	1/2-CH-239-152				X		
	3/4-CH-240-1502				X		
	2-CH-241-152				X		
	1-CH-242-152				X		
	1-CH-243-152				X		
	1-CH-244-152				X		
	1-CH-245-152				X		
	1-CH-246-152				X		
	2-CH-247-152				X		
	2-CH-248-152				X		
	3/4-CH-260-1503				X		
	1-CH-261-1502				X		
	1-CH-262-1502				X		
	1-CH-263-1502				X		
	1-CH-264-1502				X		
	1-CH-265-1502				X		
	1-CH-266-1502				X		
	3/4-CH-276-1503				X		
Safety Injection 1FM-106A&B	12-SI-1-153		*				* See MKS-127A&B
	12-SI-2-153		*				
	12-SI-3-153		*				
	12-SI-4-153		*				
	12,16-SI-5-153		*				
	10-SI-6-153	X					
	8-SI-7-152	X					
	1 1/2-SI-8-152				X		
	1-SI-9-1503				X		
	1-SI-11-602				X		
	1-SI-12-602				X		
	10-SI-13-153	X					
	8-SI-14-153	X					
	10-SI-16-153	X					

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	8-SI-17-152	X					
	6-SI-18-152	X					
	6-SI-19-152	X					
	1-SI-20-1503				X		
	2-SI-24-152				X		
	2-SI-25-152				X		
	3/4-SI-27-602				X		
	3/4-SI-28-602				X		
	3/4-SI-29-602				X		
	3/4-SI-30-152				X		
	3/4-SI-33-1502				X		
	3/4-SI-34-1502				X		
	3/4-SI-35-1502				X		
	3/4-SI-36-602				X		From 2"-SI-63-602 to 3/4"-T58
	3/4-SI-37-602				X		From 2"-SI-65-602 to 3/4"-T58
	3/4-SI-38-602				X		From 2"-SI-67-602 to 3/4"-T58
	3/4-SI-39-1502				X		
	3/4-SI-40-1502				X		
	3/4-SI-41-1502				X		
	3/4-SI-42-602				X		
	3/4-SI-43-602				X		
	3/4-SI-44-602				X		
	12-SI-45-1502	X					
	12-SI-46-1502	X					
	12-SI-47-1502	X					
	6-SI-48-1502	X					
	6-SI-49-1502	X					
	6-SI-50-1502	X					
	3/4-SI-55-153				X		
	3/4-SI-56-153				X		
	3-SI-57-1503		X				
	3-SI-58-1503		X				
	3/4-SI-59-1503				X		
	1-SI-60-1503				X		
	1-SI-61-602				X		
	1-SI-62-152				X		
	2-SI-63-602				X		
	1-SI-64-152				X		
	2-SI-65-602				X		
	1-SI-66-152				X		
	2-SI-67-602				X		
	3/4-SI-68-1503				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2,3-SI-70-1503			X			
	2-SI-71-1503	X					
	2,3-SI-72-1503			X			
	2-SI-73-1503				X		
	2-SI-74-1502				X		
	2-SI-75-1502				X		
	2-SI-76-1503				X		
	2-SI-77-1503				X		
	6-SI-78-152	X					
	2-SI-79-1502				X		
	2-SI-80-1502				X		
	2-SI-81-1502				X		
	1-SI-82-1503				X		
	10-SI-83-152	X					
	10-SI-84-152	X					
	2-SI-85-1502				X		
	1-SI-86-152				X		
	1-SI-87-1503				X		
	3/4-SI-90-1503				X		
	8-SI-92-153	X					
	3/4-SI-93-1503				X		
	1-SI-95-601				X		
	1-SI-96-601				X		
	1-SI-97-602				X		
	1-SI-98-601				X		
	1-SI-99-602				X		
	1-SI-100-602				X		
	1-SI-101-601				X		
	8-SI-102-152	X					
	1-SI-103-152				X		From RV-1893
	1-SI-105-601				X		
	10-SI-106-153		*				* See MKS-127A
	10-SI-107-153		*				
	4-SI-130-152		X				
	2-SI-131-152				X		
	3/4-SI-132-153				X		
	1/2-SI-133-N9				X		
	1/2-SI-134-N9				X		
	1/2-SI-135-N9				X		
	1/2-SI-136-N9				X		
	3/4-SI-137-153				X		
	1/2-SI-138-N9				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	1/2-SI-139-N9				X		
	1/2-SI-140-N9				X		
	1/2-SI-141-N9				X		
	6-SI-143-1502	X					
	6-SI-144-1502	X					
	6-SI-145-1502	X					
	3-SI-146-1503			X			
	3-SI-147-1503			X			
	10-SI-148-153	X					
	10-SI-149-153	X					
	10-SI-150-153	X					
	10-SI-151-153	X					
	10-SI-152-1502	X					
	6-SI-153-1502	X					
	3/4-SI-154-1502				X		
	3/4-SI-155-1502				X		
	3/4-SI-156-1502				X		
	3/4-SI-157-1502				X		
	3/4-SI-158-1502				X		
	3/4-SI-159-1502				X		
	3/4-SI-160-153				X		
	1-SI-161-1503				X		
	3/4-SI-162-153				X		
Reactor Cavity Purification /FM-114A	3-RL-1-152			X			At Cont. Penetration Between Both VDS-15Y
	3-RL-6-152			X			At Cont. Penetration Between Both VDS-15Y
	3-RL-101-152			X			At Cont. Penetration Between Both VDS-15Y
	3-RL-106-152			X			At Cont. Penetration Between Both VDS-15Y
Turbine Gland Steam /FM-115A	3-SHP-54-601		X				
Chemical Feed /FM-121A	3/4-CFPD-1-601				X		From 14-WFPD-17 to turb. bldg. wall
	3/4-CFPD-2-601				X		From 14-WFPD-13 to turb. bldg. wall
	3/4-CFPD-3-601				X		From 14-WFPD-9 to turb. bldg. wall

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
Steam Generator Blowdown /FM-122A	3-WGCB-1-601			X			To and Including TV-BD-100B
	3-WGCB-2-601			X			To and Including TV-BD-100D
	3-WGCB-3-601			X			To and Including TV-BD-100F
	3-WGCB-101-601			X			To and Including TV-BD-200B
	3-WGCB-102-601			X			To and Including TV-BD-200D
	3-WGCB-103-601			X			To and Including TV-BD-200F
Gaseous Waste Disposal /FM-107A&B	3/4-GW-1-152				X		
	3/4-GW-4-152				X		
	3/4-GW-5-152				X		
	3/4-GW-6-152				X		
	3/4-GW-7-152				X		
	3/4-GW-8-152				X		
	3/4-GW-9-152				X		
	3/4-GW-10-152				X		
	3/4-GW-11-152				X		
	6-GW-14-154		X				
	6-GW-15-154		X				
	6-GW-16-154		X				
	6-GW-18-154		X				
	6-GW-19-154		X				
	6-GW-20-154		X				
	3-GW-21-154		X				
	2-GW-22-154				X		
	1 1/2-GW-23-154				X		
	2-GW-24-154				X		
	2-GW-25-154				X		
	2-GW-26-154				X		
	2-GW-27-154				X		
	2-GW-28-154				X		
	4-GW-30-154		X				
	6-GW-33-154		X				
	3-GW-34-154		X				
	3-GW-35-154		X				
	3-GW-36-154		X				
	3-GW-37-154		X				
	3-GW-38-153		X				
	3-GW-39-153		X				
	3-GW-40-153		X				
	3-GW-41-153		X				
	3-GW-49-153		X				Form 1-GW-TK-1A to VDS-15Y

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	4-GW-50-154		X				
	3-GW-51-154		X				
	3-GW-52-154		X				
	3-GW-55-154		X				
	4-GW-56-154		X				
	1-GW-57-154				X		
	1 1/2-GW-58-154				X		
	1-GW-59-152				X		
	1 1/2-GW-60-152				X		
	3/4-GW-61-152				X		From 1"-DA-54-152 to VDS-15Y
	1 1/2-GW-62-154				X		
	3/4-GW-63-152				X		
	3/4-GW-64-152				X		
	3/4-GW-66-152				X		
	1-GW-67-152				X		
	1-GW-68-154				X		
	1-GW-69-154				X		
	1-GW-70-154				X		
	3/4-GW-71-152				X		
	2-GW-72-152				X		
	2-GW-73-152				X		
	1 1/2-GW-76-152				X		
	3-GW-78-154		X				
	1-GW-79-152				X		
	1 1/2-GW-80-152				X		
	1 1/2-GW-81-N8				X		
	1-GW-82-152				X		From 1-GW-TK-1B to FCV-GW-104B
	6-GW-83-154		X				
	1-GW-84-152				X		From 1-GW-TK-1A to FCV-GW-104A
	2-GW-88-154				X		
	3-GW-90-154		X				
	4-GW-91-154		X				
	2-GW-92-154				X		
	2-GW-93-154				X		
	2-GW-203-154				X		
	2-GW-204-154				X		
	2-GW-204-154				X		
	2-GW-205-154				X		
	2-GW-206-154				X		
	2-GW-207-154				X		
	2-GW-208-154				X		
	2-GW-209-154				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2-GW-210-154				X		
	2-GW-211-154				X		
	3/4-GW-213-154				X		
	3/4-GW-214-154				X		
	3/4-GW-215-154				X		
	3/4-GW-216-154				X		
	2-GW-217-154				X		
	2-GW-218-154				X		
	2-GW-219-154				X		
	2-GW-220-154				X		
	2-GW-221-154				X		
	2-GW-222-154				X		
	2-GW-224-154				X		
	2-GW-225-154				X		
	2-GW-226-154				X		
	3/4-GW-227-154				X		
	3/4-GW-228-154				X		
	3/4-GW-229-154				X		
	3/4-GW-230-154				X		
	1/2-GW-231-N8				X		
	1/2-GW-232-N8				X		
	1/2-GW-233-N8				X		
	1/2-GW-234-N8				X		
	1/2-GW-235-N8				X		
	1/2-GW-236-N8				X		
	1/2-GW-237-N8				X		
	1/2-GW-238-N8				X		

SURRY POWER STATION, UNIT 1

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
Auxiliary Feedwater/ FM-18A&B (cont'd)	6-WCMU-4-151		X				
	8-WCMU-5-151	X					
	6-WCMU-6-151	X					
	6-WCMU-7-151	X					
	6-WCMU-8-151	X					
	4-WCMU-9-151	X					
	4-WCMU-10-151	X					
	6-WCMU-11-151	X					
	6-WCMU-39-151		X				
	6-WCMU-50-151		X				
	6-WCMU-51-151		X				
	6-WCMU-52-151		X				
	6-WCMU-53-151		X				
	6-WCMU-54-151	X					
	6-WCMU-55-151		X				
	6-WCMU-56-151	X					
	6-WCMU-60-151		X				
	2-WCMU-61-151				X		
	2-WCMU-62-151				X		
	6-WAPD-50-151	X	X				From 6" WAPD-2 to MOV-FW-160A
	6-WAPD-51-151	X					
	6-WAPD-52-151		X				From 6" WAPD-50 to MOV-FW-160B
	6-WAPD-150-151	X					From 6" WAPD-1 to MOV-FW-260A
	6-WAPD-152-151	X					From 6" WAPD-2 to MOV-FW-260B

TABLE 2

QA CATEGORY I PIPING
LINE TABLE

SURRY POWER STATION
UNIT 2

NOTES AND LEGEND

All Category I Piping is listed by system name and flow diagram (FM). Line number representation is as follows:

eg. 30 - SHP - 1 601

- 30 — Nominal Pipe Size, Inches
- SHP — Fluid Symbol
- 601 — Pipe Class (NUS-20)
- 1 — Line Number

The Verification Category identified in the line table is in response to as-built inspection requirements of safety related piping addressed in IE Bulletin No. 79-14 (7-2-79)

A. Piping verification completed as part of the "Show Cause" Pipe Stress Reanalysis Effort.

B. Piping to be inspected as described in Item 2 of IE Bulletin No. 79-14.

C. Piping to be inspected as described in Item 3 of IE Bulletin No. 79-14.

D. Piping 2 inch and less which does not require as-built inspection (IE Bulletin No. 79-14 Rev. 1).

E. Piping buried in concret or underground.

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
Main Steam/FM-14A	30-SHP-101-601	X						1.16
	30-SHP-102-601	X						1.17
	30-SHP-103-601	X						1.18
	30-SHP-122-601	X						1.19
	30-SHP-123-601	X						1.20
	4-SHP-124-601	X						1.21
	4-SHP-125-601	X						1.22
	4-SHP-126-601	X						1.23
	4-SHP-127-601	X						1.24
	3-SHP-128-601	X						1.25
	3-SHP-129-601	X						1.26
	3-SHP-130-601	X						1.27
	3-SHP-131-601	X						1.28
	3-SHP-132-601	X						1.29
	4-SHP-137-601	X						1.30
	4-SHP-138-601	X						1.31
	4-SHP-139-601	X						1.32
	3-SHP-157-601	X						1.33
	6-SHP-145-601		X					1.34
	6-SHP-146-601		X					1.35
	6-SHP-147-601		X					1.36
High Pressure Steam Drains/ FM-14A	3"-SHPD-105-601		X				To and including TV-MS-209	1.38
								1.39
	1 1/2-SHPD-106-601					X		1.40
	1 1/2-SHPD-107-601					X		1.41
	1 1/2-SHPD-108-601					X		1.42
	2-SHPD-116-601				X			1.43
Feedwater/FM-18A	14-WFPD-109-601	X					From 2-RC-E-1C to and	1.45
							including second check valve	1.46
	14-WFPD-113-601	X					From 2-RC-E-1B to and	1.47
							including second check valve	1.48
	14-WFPD-117-601	X					From 2-RC-E-1A to and	1.49
							including second check valve	1.50
Auxiliary Feedwater/FM-18A	60WAPD-101-601	X						1.52
	6-WAPD-102-601	X						1.53
	6-WAPD-103-601	X						1.54

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	4-WAPD-104-601	X						1.55
	4-WAPD-105-601	X						1.56
	4-WAPD-106-601	X						1.57
	4-WAPD-107-601	X						1.58
	4-WAPD-108-601	X						2.1
	3-WAPD-109-601	X						2.2
	3-WAPD-110-601	X						2.3
	3-WAPD-111-601	X						2.4
	3-WAPD-112-601	X						2.5
	30WAPD-113-601	X						2.6
	3-WAPD-114-601	X						2.7
	1-WAPD-115-601				X			2.8
	1-WAPD-116-601				X			2.9
	1-WAPD-117-601				X			2.10
	1-WAPD-118-601				X			2.11
	2-WAPD-119-601				X			2.12
	1-WAPD-120-601				X			2.13
	1-WAPD-121-601				X			2.14
	6-WCMU-104-151	X						2.16
	8-WCMU-105-151	X						2.17
	6-WCMU-106-151	X						2.18
	6-WCMU-107-151	X						2.19
	6-WCMU-108-151	X						2.20
	4-WCMU-109-151	X						2.21
	4-WCMU-110-151	X						2.22
	6-WCMU-111-151	X						2.23
	6-WCMU-139-151		X					2.24
	6-WCMU-150-151		X					2.25
	6-WCMU-151-151		X					2.26
	6-WCMU-152-151		X					2.27
	60WCMU-153-151		X					2.28
	6-WCMU-154-151	X						2.29
	6-WCMU-155-151		X					2.30
	6-WCMU-156-151	X						2.31
	60WCMU-160-151		X					2.32
	2-WCMU-161-151				X			2.33
	2-WCMU-162-151				X			2.34
	6-WAPD-150-151	X					From 6"-WAPD-102 to MOV-FW-260A	2.36

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	6-WAPD-151-151	X						2.37
	6-WAPD-152-151		X				From 6"-WAPD-150 to MOV-FW-260B	2.38
	6-WAPD-50-151	X					From 6"-WAPD-101 to MOV-FW-160A	2.39
	6-WAPD-52-151	X					From 6"-WAPD-102 to MOV-FW-160B	2.40
Service Water/FM-21A	30-WS-121-10		X					2.42
	30-WS-122-10		X					2.43
	30-WS-123-10		X					2.44
	30-WS-124-10		X					2.45
	24-WS-126-10	X	X					2.46
	24-WS-128-10	X	X					2.47
	24-WS-130-10	X	X					2.48
	24-WS-132-10	X	X					2.49
	24-WS-133-10	X	X					2.50
	24-WS-134-10	X	X					2.51
	24-WS-135-10	X	X					2.52
	24-WS-136-10	X	X					2.53
	30-WS-137-10		X					2.54
	30-WS-138-10		X					2.55
	96-WC-101-10					X		2.56
	96-WC-102-10					X		2.57
	96-WC-103-10					X		2.58
	96-WC-104-10					X		3.1
Service Water/FM-21B	2-WS-170-136				X			3.3
	2-WS-171-136				X			3.4
	2-WS-172-136				X			3.5
	2-WS-173-136				X			3.6
	2-WS-174-21B				X			3.7
	2-WS-175-21B				X			3.8
	2-WS-176-21B				X			3.9
	2-WS-177-21B				X			3.10
	2-WS-178-136				X			3.11
	2-WS-179-21B				X			3.12
	2-WS-180-21B				X			3.13
	1 1/2-WS-181-21B				X			3.14
	1 1/2-WS-182-21B				X			3.15
	2-WS-183-21B				X			3.16
	1 1/2-WS-184-21B				X			3.17
	1 1/2-WS-185-21B				X			3.18

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	1 1/2-WS-186-21B				X			3.19
	1 1/2-WS-187-21B				X			3.20
	2-WS-188-21B				X			3.21
	2-WS-190-136				X			3.22
Component Cooling/ FM-22A&B (also see 11448-FM-22)	18-CC-7-121	X						3.24
	18-CC-9-121	X						3.25
	18-CC-14-121	X						3.26
	18-CC-15-121	X						3.27
	10,14-CC-72-121	X						3.28
	1-CC-131-151				X			3.29
	10,14-CC-143-121	X						3.30
	8,4-CC-144-151	X						3.31
	6-CC-145-151	X						3.32
	6-CC-146-151	X						3.33
	4,8-CC-148-151	X						3.34
	3,1,3/4-CC-151-151			X				3.35
	3,1,3/4-CC-152-151			X				3.36
	8,6,4-CC-153-151		X				From cont. penetration to VGN-15A	3.37
	6,4-CC-154-151		X				From cont. penetration to VGN-15A	3.38
	6-CC-155-151		X				From cont. penetration to VGW-15A	3.39
	8,6,4-CC-156-151		X				From cont. penetration to TV-CC-210A	3.40
	8,6-CC-159-151		X				From cont. penetration to TV-CC-210B	3.41
	6-CC-160-151		X				From Cont. penetration to TV-CC-210C	3.42
	10,6,2 1/2-CC-161-121					X		3.43
	3-CC-162-151			X				3.44
	3-CC-163-151			X				3.45
	1-CC-164-151			X				3.46
	3,6-CC-165-151			X				3.47
	3-CC-166-151			X				3.48
	1-CC-167-151			X				3.49
	2 1/2-CC-168-151			X				3.50
	10,6,2 1/2-CC-169-151					X		3.51
	3-CC-170-151			X				3.52
	3-CC-171-151			X				3.53
	1-CC-172-151				X			3.54
	3.6-CC-173-151			X				3.55
	3-CC-174-1151			X				3.56
	1-CC-175-151				X			3.57
	1 1/2-CC-254-151				X			3.58
	1-CC-272-151				X			4.1

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	2.1-CC-275-151				X		4.2
	1-CC-410-903				X		4.3
	1 1/2-CC-411-903				X		4.4
	1-CC-412-903				X		4.5
	1-CC-413-903				X		4.6
	1 1/2-CC-414-903				X		4.7
	1-CC-415-903				X		4.8
	1-CC-416-903				X		4.9
	1 1/2-CC-417-903				X		4.10
	1-CC-418-903				X		4.11
	1-CC-419-903				X		4.12
	1 1/2-CC-420-903				X		4.13
	1-CC-421-903				X		4.14
	1-CC-422-903				X		4.15
	1 1/2-CC-423-903				X		4.16
	1-CC-424-903				X		4.17
	1-CC-425-903				X		4.18
	1-CC-426-903				X		4.19
	1-CC-427-903				X		4.20
	1-CC-428-903				X		4.21
	1 1/2-CC-429-903				X		4.22
	1-CC-430-903				X		4.23
	1-CC-431-903				X		4.24
	1 1/2-CC-432-903				X		4.25
	1-CC-433-903				X		4.26
	1-CC-434-903				X		4.27
	1 1/2-CC-435-903				X		4.28
	1-CC-436-903				X		4.29
	1-CC-437-903				X		4.30
	1 1/2-CC-438-903				X		4.31
	1-CC-439-903				X		4.32
	1-CC-440-903				X		4.33
	2 1/2-CC-176-151			X			4.34
	6,2 1/2-CC-177-151			X			4.35
	3-CC-178-151			X			4.36
	3-CC-179-151			X			4.37
	1-CC-180-151				X		4.38
	3,6,10-CC-181-151			X			4.39
	3-CC-182-151						4.40
	1-CC-183-151				X		4.41
	2 1/2-CC-184-151			X			4.42
	6,4,1 1/2-CC-185-151		X				4.43

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	2-CC-186-151				X			4.44
	3-CC-187-151	X						4.45
	3-CC-188-151	X						4.46
	1-CC-189-151				X			4.47
	1-CC-190-151				X			4.48
	3-CC-192-151	X						4.49
	4-CC-193-151	X						4.50
	1-CC-194-151				X			4.51
	3-CC-208-151			X				4.52
	3-CC-209-151			X				4.53
	3-CC-210-151			X				4.54
	3-CC-211-151			X				4.55
	3-CC-212-151			X				4.56
	3-CC-213-151			X				4.57
	3-CC-214-151			X				4.58
	1 1/2,3/4-CC-215-151				X			5.1
	1 1/2,1-CC-216-151				X			5.2
	2,3/4-CC-217-151				X			5.3
	2,1-CC-218-151				X			5.4
	6,3-CC-219-151			X				5.5
	3,1-CC-251-151			X				5.6
	3/40CC-252-151				X			5.7
	1 1/2-CC-253-151				X			5.8
	1 1/2-CC-441-903				X			5.9
	1-CC-442-903				X			5.10
	1-CC-443-903				X			5.11
	1 1/2-CC-444-903				X			5.12
	1-CC-445-903				X			5.13
	1-CC-446-153				X			5.14
	1-CC-447-153				X			5.15
	1-CC-448-152				X			5.16
	1-CC-449-153				X			5.17
	1-CC-450-153				X			5.18
	1-CC-451-153				X			5.19
	1-CC-452-153				X			5.20
	1-CC-453-153				X			5.21
	1-CC-454-153				X			5.22
	1-CC-455-153				X			5.23
	1-CC-456-153				X			5.24
	1-CC-457-153				X			5.25
	1-CC-458-153				X			5.26
	1-CC-459-153				X			5.27

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	1-CC-460-153				X			5.28
Instrument Air/FM-25B	2-ACC-109-21B				X		From the first VGM-20S outside containment to first VGM-20S inside containment	5.30 5.31 5.32
	2-ACC-140-21B				X		From the first VGM-20S outside containment to first VGM-20S inside containment	5.33 5.34 5.35
Sampling System FM-32	2/8-SS-301-ICN9				X			5.37
	3/8-SS-302-ICN-9				X			5.38
	3/8-SS-303-ICN9				X			5.39
	3/8-SS-304-ICN9				X			5.40
	3/8-SS-305-ICN9				X			5.41
	3/8-SS-306-ICN9				X			5.42
	3/8-SS-307-ICN9				X			5.43
	3/8-SS-399-ICN9				X		Between inside and outside containment isolation valves	5.44 5.45
	3/8-SS-400-ICN9				X			5.46
	3/8-SS-401-ICN9				X			5.47
	3/8-SS-402-ICN9				X			5.48
	3/8-SS-403-ICN9				X			5.49
Drains/FM-100A&B	3-DG-226-152		X					5.51
	1-DG-227-152				X			5.52
	3-DG-241-152		X					5.53
	3/4-DG-346-152				X			5.54
	3/4-DG-201-152				X			5.55
	2-DG-212-152				X			5.56
	2-DG-213-152				X			5.57
	2-DG-233-152				X			5.58
	3-DG-240-152			X				6.1
	3-DG-224-152			X				6.2
	2-DG-242-152				X			6.3
	2-DG-243-152				X			6.4
	1 1/2-DG-273-152				X			6.5
	3/4-DG-265-152				X			6.6
	3/4-DG-266-152				X			6.7
	3/4-DG-267-152				X			6.8

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3/4-DG-268-152				X			6.9
	3/4-DG-269-152				X			6.10
	3/4-SG-270-152				X			6.11
	2-DG-218-152				X		From check valve VCS-15X to 2"-DG-213-152	6.12
	1 1/2-DG-247-152				X		From check valve VCS-15X to 2"-DG-213-152	6.13
	2"-DG-343-152				X			6.14
	3/4-DG-321-152				X		From VDS-15Y to 3/4"-DG-323-152	6.15
	3/4-DG-322-152				X		From VDS-15Y to 3/4"-DG-323-152	6.16
	3/4-DG-323-152				X		From VDS-15Y to 3"-DG-240-152	6.17
	2"-DA-121-152				X		From trip valve TV-DA200A	6.18
								6.19
								6.20
								6.21
								6.22
								6.23
Recirculation Spray/ FM-101A	10-RS-101-152	X						6.25
	10-RS-102-153	X						6.26
	10-RS-103-153	X						6.27
	10-RS-104-153	X						6.28
	12-RS-107-153			X				6.29
	12-RS-108-153			X				6.30
	10-RS-109-153	X						6.31
	10-RS-110-153	X						6.32
	10-RS-111-153	X						6.33
	10-RS-112-153	X						6.34
	1/2-RS-113-153					X	From VGS-15A to 10"-RS-110 and 10"-RS-109	6.35
	4-RS-114-153			X				6.36
	4-RS-115-153			X				6.37
	8-RS-120-153	X						6.38
	8-RS-121-153	X						6.39
	8-RS-122-153	X						6.40
	8-RS-123-153			X				6.41
	12-RS-124-153			X				6.42
								6.43
Containment Spray/ FM-101A	12-CS-101-153	X				X		6.45
	12-CS-102-153	X				X		6.46
	10-CS-103-153	X						6.47
	10-CS-104-153	X						6.48

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	4-CS-105-152		X					6.49
	4-CS-106-152		X					6.50
	1 1/2-CS-107-152				X			6.51
	1/2-CS-108-152				X			6.52
	6-CS-109-152		X					6.53
	6-CS-114-152		X					6.54
	8-CS-122-153	X						6.55
	8-CS-123-153	X						6.56
	1/2-CS-124-N1				X			6.57
	1/2-CS-125-N1				X			6.58
	3-CS-126-153		X					7.1
	6-CS-128-153		X					7.2
	6-CS-129-153		X					7.3
	8-CS-133-153	X						7.4
	8-CS-134-153	X						7.5
	4-CS-135-153		X					7.6
	4-CS-163-153		X					7.7
Containment Vacuum/ FM-102	3/8-LM-101-N6				X		From 3/8"-LM-112-N7 to	7.9
							TV-LM-200C	7.10
	3/8-LM-102-N6				X		From 3/8"-LM-113-N7 to	7.11
							TV-LM-200B	7.12
	3/8-LM-103-N6				X		From 3/8"-LM-111-N7 to	7.13
							TV-LM-200E	7.14
	1/4-LM-111-N7				X			7.15
	1/4-LM-112-N7				X			7.16
	1/4-LM-113-N7				N			7.17
	3/8-LM-114-N7				X		From sealed pres. sys. to	7.18
							TV-LM-201A	7.19
	3/8-LM-115-N7				X		From sealed pres. sys. to	7.20
							TV-LM-201B	7.21
	1/4-LM-116-N7				X			7.22
	3/8-LM-117-N6				X		From 3/8-LM-116-N7 to	7.23
							TV-LM-200G	7.24
	2-CV-101-154				X		Outside cont. to TV-CV-250B	7.25
	2-CV-102-154				X		Outside cont. to TV-CV-250D	7.26
	8-CV-108-151	X					Outside cont. to second VGW-15A	7.27
	4-CV-120-152			X				7.28
	3/4-CV-121-152				X			7.29

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
Reactor Coolant/ FM-103A&B	29-RC-301-2501R		*				*Piping reanalysis completed as part of steam generator replacement project	7.31
	31-RC-302-2501R		*					7.32
	27 1/2-RC-303-2501R		*					7.33
	29-RC-304-2501R		*					7.34
	31-RC-305-2501R		*					7.35
	27 1/2-RC-306-2501R		*					7.36
	29-RC-307-2501R		*					7.37
	31-RC-308-2501R		*					7.38
	27 1/2-RC-308-2501R		*					7.39
	12-RC-310-2501R		*					7.40
	8-RC-311-2501R		X					7.41
	8-RC-312-2501R		X					7.42
	8-RC-313-2501R		X					7.43
	4-RC-314-1502	X						7.44
	4-RC-315-1502	X						7.45
	6-RC-316-1502	X						7.46
	6-RC-317-1502	X						7.47
	6-RC-318-1502	X						7.48
	6-RC-319-1502	X						7.49
	6-RC-320-602	X						7.50
	6-RC-321-1502	X						7.51
	12-RC-322-1502	X						7.52
	12-RC-323-1502	X						7.53
	12-RC-324-1502	X						7.54
	3/8-RC-322-ICN9				X			7.55
	3/8-RC-333-ICN9				X			7.56
	4-RC-334-1502	X						7.57
	3-RC-335-1502	X						7.58
	12-RC-336-602	X						8.1
	6-RC-337-1502	X						8.2
	6-RC-338-1502	X						8.3
	6-RC-339-1502	X						8.4
	6-RC-340-602	X						8.5
	6-RC-341-602	X						8.6
	6-RC-342-602	X						8.7
	2-RC-344-1502				X			8.8
	2-RC-345-1502				X			8.9
	2-RC-346-1502				X			8.10
	3/4-RC-347-1502				X			8.11
	3/4-RC-348-1502				X			8.12
	3/4-RC-349-1502				X			8.13
	3/4-RC-350-1502				X			8.14

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3/4-RC-351-1502				X			8.15
	3-RC-352-152			X				8.16
	2-RC-353-1502				X			8.17
	2-RC-355-1502				X			8.18
	2-RC-356-1502				X			8.19
	2-RC-358-1502				X			8.20
	2-RC-359-1502				X			8.21
	1 1/2-RC-360-1502				X			8.22
	3-RC-361-1502	X						8.23
	6-RC-362-602	X						8.24
	3/4-RC-363-1502				X			8.25
	3/4-RC-364-1502				X			8.26
	3/4-RC-365-1502				X			8.27
	3/4-RC-366-1502				X			8.28
	3/4-RC-367-1502				X			8.29
	3/4-RC-392-1502				X			8.30
	3/4-RC-393-1502				X			8.31
	3/4-RC-394-1502				X			8.32
	3/4-RC-395-1502				X			8.33
	3/4-RC-396-1502				X			8.34
	3/4-RC-397-1502				X			8.35
	3/4-RC-398-1502				X			8.36
	3/4-RC-399-1502				X			8.37
	3/4-RC-400-1502				X			8.38
	3/4-RC-401-1502				X			8.39
	3/4-RC-402-1502				X			8.40
	3/4-RC-403-1502				X			8.41
	1 1/2-RC-404-1502				X			8.42
	1 1/2-RC-405-1502				X			8.43
	3/4-RC-406-1502				X			8.44
	3/8-EC-407-ICN9				X			8.45
	3/8-RC-408-ICN9				X			8.46
	2-RC-412-1502				X			8.47
	2-RC-413-2501R				X			8.48
	3/5-RC-414-1502				X			8.49
	2-RC-415-1502				X			8.50
	3-RC-416-1502			X				8.51
	2-RC-417-1502				X			8.52
	3/4-RC-418-1502				X			8.53
	2-RC-419-2501R				X			8.54
	3/4-RC-420-1502				X			8.55
	2-RC-421-1502				X			8.56

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
								8.57
	1-RC-422-1502				X			8.58
	1-RC-423-1502				X			9.1
	1-RC-424-1502				X			9.2
	1 1/2-RC-425-1502				X			9.3
	2-RC-426-1502				X			9.4
	3/4-RC-427-1502				X			9.5
	2-RC-428-2501R				X			9.6
	2-RC-429-1502				X			9.7
	3/4-RC-430-1502				X			9.8
	3-RC-431-1502			X				9.9
	2-RC-432-1502				X			9.10
	2-RC-433-2501R				X			9.11
	3/4-RC-434-1502				X			9.12
	3/4-RC-435-1502				X			9.13
	1-RC-436-1502				X			9.14
	1-RC-437-1502				X			9.15
	1-RC-438-1502				X			9.16
	2-RC-439-1502				X			9.17
	3/4-RC-440-1502				X			9.18
	1 1/2-RC-441-1502				X			9.19
	2-RC-442-1502				X			9.20
	3/4-RC-443-1502				X			9.21
	2-RC-444-2501R				X			9.22
	3/4-RC-445-1502				X			9.23
	2-RC-446-1502				X			9.24
	3-RC-447-1502			X				9.25
	2-RC-448-1502				X			9.26
	3/4-RC-449-1502				X			9.27
	2-RC-451-1502				X			9.28
	3/4-RC-452-1502				X			9.29
	2-RC-453-1502				X			9.30
	1-RC-454-1502				X			9.31
	1-RC-445-1502				X			9.32
	1-RC-456-1502				X			9.33
	2-RC-459-152				X			9.34
	3/4-RC-461-1502				X			9.35
	3/4-RC-462-1502				X			9.36
	3/4-RC-463-1502				X			9.37
	3/4-RC-465-1502				X			9.38
	3/4-RC-466-1502				X			9.39
	3/4-RC-467-152				X			9.40
	3/4-RC-468-602				X			

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3/4-RC-469-152				X			9.41
	3/4-RC-470-152				X			9.42
	3/4-RC-471-152				X			9.43
	3/4-RC-472-1502				X			9.44
	3/4-RC-473-1502				X			9.45
	3/4-RC-474-1502				X			9.46
	6-RC-488-152				X			9.47
	6-RC-489-152				X			9.48
	6-RC-490-152				X			9.49
	1-RC-492-1502				X			9.50
	4-RC-497-153				X			9.51
	2-RC-498-1502				X			9.52
	2-RC-499-1502				X			9.53
	2-RC-500-1502				X			9.54
	3/4-RC-501-151				X			9.55
	3/4-RC-525-1502				X			9.56
	3/4-RC-526-1502				X			9.57
	3/4-RC-527-1502				X			9.58
	3/4-RC-528-1502				X			10.1
	3/4-RC-529-1502				X			10.2
	3/4-RC-530-1502				X			10.3
Residual Heat Removal/ FM-104A	14-RH-101-1502	X						10.5
	14-RH-102-6-2	X						10.6
	2-RH-103-6-2				X			10.7
	10-RH-104-602	X						10.8
	10-RH-105-602	X						10.9
	12-RH-106-602	X						10.10
	10-RH-107-602	X						10.11
	10-RH-108-602	X						10.12
	10-RH-109-602	X						10.13
	10-RH-110-602	X						10.14
	1-RH-111-602				X			10.15
	12-RH-112-602	X						10.16
	3-RH-113-602	X						10.17
	6-RH-114-602	X						10.18
	4-RH-115-152	X						10.19
	10-RH-116-1502	X						10.20
	10-RH-117-1502	X						10.21
	14-RH-118-602	X						10.22
	12-RH-119-602	X						10.23

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	6-RH-120-152	X						10.24
	3/4-RH-121-602				X			10.25
	3/4-RH-122-602				X		From 12"-RH-119-602 to 3/4"-T58	10.26
	12-RH-123-602	X						10.27
	3/4-RH-124-602				X			10.28
	3/4-RH-125-602				X			10.29
	3/8-RH-150-602				X			10.30
	3/8-RH-151-602				X			10.31
Chemical & Volume Control/ FM-105A	3-CH-325-152		X					10.34
	2-CH-326-152				X			10.35
	2-CH-327-152				X			10.37
	2-CH-327-152				X			10.38
	2-CH-329-152				X			10.39
	3-CH-330-152		X					10.40
	2-CH-331-152				X			10.41
	2-CH-332-152				X			10.42
	2-CH-333-152				X			10.43
	2-CH-334-152				X			10.44
	2-CH-335-152				X			10.45
	2-CH-336-152				X			10.46
	2-CH-337-152				X			10.47
	2-CH-338-152				X			10.48
	2-CH-339-152				X			10.49
	2-CH-340-152				X			10.50
	2-CH-341-152				X		QA1 from 3-CH-344 to & inc VDS-15Y	10.51
	2-CH-342-152				X		QA1 from 3-CH-345 to & inc VDS-15Y	10.52
	2-CH-343-152				X		QA1 from 3-CH-346 to & inc VDS-15Y	10.53
	3-CH-344-152		X				QA1 from 2-CH-TK-1A to loop seal	10.54
	3-CH-345-152			X			QA1 from 2-CH-TK-1B to loop seal	10.55
	3-CH-346-152			X			QA1 from 2-CH-TK-1C to loop seal	10.56
	3-CH-347-152		X					10.57
	3-CH-348-152		X					10.58
	3-CH-349-152		X					11.1
	3-CH-350-152		X					11.2
	3-CH-351-152		X					11.3
	2-CH-352-152				X			11.4
	2-CH-353-152				X			11.5
	1 1/2-CH-355-152				X			11.6
	2-CH-361-152				X			11.7
	2-CH-362-152				X			11.8

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes
	3-CH-363-152		X				11.9
	2-CH-364-152				X		11.10
	3-CH-379-152			X			11.11
	2-CH-388-152				X		11.12
	2-CH-426-152				X		11.13
	2-CH-427-152				X		11.14
	2-CH-428-152				X		11.15
	3-CH-429-152		X				11.16
	2-CH-430-152				X		11.17
	3-CH-431-152		X				11.18
	2-CH-432-152				X		11.19
	3-CH-433-152		X				11.20
	2-CH-434-152				X		11.21
	2-CH-435-152		X				11.22
	3-CH-436-152		X				11.23
	2-CH-437-152				X		11.24
	2-CH-438-152				X		11.25
	1-CH-439-152				X		11.26
	1-CH-440-152				X		11.27
	2-CH-441-152				X		11.28
	2-CH-442-152				X		11.29
	2-CH-443-152				X		11.30
	2-CH-444-152				X		11.31
	3/4-CH-445-152				X		11.32
	3/4-CH-446-152				X		11.33
	3/4-CH-447-152				X		11.34
	2-CH-448-152				X		11.35
	2-CH-449-152				X		11.36
	2-CH-450-152				X		11.37
	1-CH-452-152				X		11.38
	1-CH-453-152				X		11.39
	1-CH-454-152				X		11.40
	2-CH-455-152				X		11.41
	2-CH-456-152				X		11.42
	2-CH-458-152				X		11.43
	2-CH-459-152				X		11.44
	2-CH-460-151				X		11.45
	2-CH-462-151				X		11.46
	2-CH-468-152				X		11.47
	2-CH-469-152				X		11.48
	2-CH-470-152				X		11.49
	2-CH-471-152				X		11.50

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3/4-CH-472-152				X			11.51
	2-CH-473-152				X			11.52
	3/4-CH-474-152				X			11.53
	2-CH-475-152				X			11.54
	3/4-CH-476-152				X			11.55
	2-CH-477-152				X		QA1 from 2CH-467 to & inc 2-X42D	11.56
	3/4-CH-478-152				X		QA1 from 2CH-TK-5 to & inc 1-X42D	11.57
	3/4-CH-479-152				X		QA1 from 2CH-334 to & inc 3/0X42D	11.58
	3/4-CH-480-152				X			12.1
	3/4-CH-481-152				X		QA1 from 2CH-334 tp & inc 3/4X42D	12.2
	3/4-CH-482-152				X			12.3
	3/4-CH-483-152				X			12.4
	3/4-CH-484-152				X			12.5
	3/4-CH-485-152				X			12.6
	3/4-CH-486-152				X			12.7
	2-CH-510-152				X			12.8
	2-CH-513-152				X			12.9
	1-CH-529-152				X			12.10
	1-CH-530-152				X			12.11
	2-CH-541-152				X			12.12
	1-CH-542-152				X			12.13
	1-CH-543-152				X			12.14
	1-CH-549-152				X			12.15
	1-CH-545-152				X			12.16
	1-CH-546-152				X			12.17
	2-CH-547-152				X			12.18
	2-CH-548-152				X			12.19
Chemical & Volume Control/ FM 105B	3-CH-302-1503	X						12.22
	3-CH-303-1503	X						12.23
	2-CH-307-602				X			12.25
	2-CH-308-1503				X			12.26
	3-CH-311-1503		X					12.27
	2-CH-312-1503				X			12.28
	2-CH-313-1503				X			12.29
	8-CH-317-152		X					12.30
	6-CH-318-152		X					12.31
	6-CH-319-152		X					12.32
	3/4-CH-320-1503				X			12.33
	2-CH-321-1503				X			12.34
	2-CH-322-1503				X			12.35

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3-CH-323-152		X					12.36
	3-CH-324-152		X					12.37
	1-CH-356-152				X			12.38
	1-CH-357-152				X			12.39
	2-CH-358-152				X			12.40
	2-CH-359-152				X			12.41
	1-CH-360-152				X		QA1 from 8"CH 317 to Valve 1X42D	12.42
	3/4-CH-367-152				X			12.43
	3-CH-369-1503		X					12.44
	3-CH-370-1503			X				12.45
	3-CH-371-1503			X				12.46
	6-CH-377-152	X						12.47
	3-CH-373-152		X					12.48
	2-CH-374-1503				X			12.49
	2-CH-375-1503				X			12.50
	2-CH-376-1503				X			12.51
	2-CH-377-1503				X			12.52
	2-CH-378-152				X			12.53
	3-CH-379-1503			X				12.54
	4-CH-380-1503		X					12.55
	3-CH-381-1503		X					12.56
	3-CH-387-152		X					12.57
	4-CH-389-1503		X					12.58
	2-CH-390-1503				X			13.1
	2-CH-391-1503				X			13.2
	3-CH-400-152		X					13.3
	4-CH-412-152		X					13.4
	3-CH-413-1503		X					13.5
	2-CH-414-1503				X			13.6
	3/4-CH-415-1503				X			13.7
	3/4-CH-416-1503				X			13.8
	2-CH-417-152				X			13.9
	3-CH-418-152		X					13.10
	3-CH-419-152		X					13.11
	2-CH-420-152				X			13.12
	3-CH-421-152		X					13.13
	2-CH-425-602				X			13.14
	3/4-CH-487-152				X			13.15
	3/4-CH-488-1503				X			13.16
	3/4-CH-489-1503				X			13.17
	3/4-CH-490-152				X			13.18
	3-CH-491-152		X					13.19

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	3-CH-492-152		X					13.20
	3-CH-493-152		X					13.21
	4-CH-494-152		X					13.22
	2-CH-495-152				X		QA1 from 2CH-BL-1 to&inc 2nd 2-X42D	13.23
	2CH-496-152				X			13.24
	3/4-CH-497-152				X		QA1 from 2CH 496 to&inc 2nd 3/4X42D	13.25
	2-CH-499-152				X			13.26
	3-CH-500-152		X					13.27
	6-CH-501-152	X						13.28
	6-CH-502-152	X						13.29
	6-CH-503-152	X						13.30
	8-CH-504-152	X						13.31
	8-CH-505-152	X						13.32
	8-CH-506-152	X						13.33
	3/4-CH-507-1503				X			13.34
	3/4-CH-508-1503				X			13.35
	3/4-CH-509-1503				X			13.36
	2-CH-511-152				X			13.37
	2-CH-512-152				X			13.38
	1-CH-520-152				X			13.39
	3/4-CH-524-1503				X			13.40
	3/4-CH-525-1503				X			13.41
	3/4-CH-526-1503				X			13.42
	2-CH-531-1503				X			13.43
	3/4-CH-534-152				X			13.44
	1/2-CH-536-152				X			13.45
	1-CH-537-152				X		Q1 from 2CH-TK2 to & inc 1-X42D	13.46
	3-CH-538-152		X					13.47
	1/2-CH-539-152				X			13.48
	1-CH-463-152				X			13.49
	3/4-CH-464-152				X			13.50
	1-CH-465-152				X			13.51
	3/4-CH-466-1503			X				13.52
	3/4-CH-467-1503				X			13.53
Chemical & Volume Control/ FM-105C	3-CH-301-1502			X				13.56
	2-CH-305-1502				X			13.57
	2-CH-306-602				X			14.1
	2-CH-309-1503				X			14.2
	2-CH-310-1503				X			14.3
	2-CH-314-1502				X			14.4

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	2-CH-315-1503				X			14.5
	2CH-316-1502				X			14.6
	3-CH-365-152			X				14.7
	3-CH-366-152							14.8
	2-CH-368-1502				X			14.9
	2-CH-382-1502				X			14.10
	2-CH-383-1502				X			14.11
	2-CH-384-1502				X			14.12
	2-CH-385-602				X			14.13
	2-CH-392-1503				X			14.14
	2-CH-393-1503				X			14.15
	2-CH-394-1503				X			14.16
	2-CH-395-1502				X			14.17
	2-CH-396-1503				X			14.18
	2-CH-397-1502				X			14.19
	3/4-CH-398-1502				X			14.20
	3-CH-399-152			X				14.21
	3/4-CH-401-1502				X			14.22
	3/4-CH-402-1502				X			14.23
	3/4-CH-403-1502				X			14.24
	3/4-CH-405-1502				X			14.25
	3/4-CH-406-1502				X			14.26
	3/4-CH-408-1502				X			14.27
	3/4-CH-409-1502				X			14.28
	3/4-CH-411-1502				X			14.29
	2-CH-422-152				X			14.30
	3/4-CH-423-1502				X			14.31
	3/4-CH-424-152				X			14.32
	2-CH-514-152				X			14.33
	2-CH-515-152				X			14.34
	2-CH-516-152				X			14.35
	3/4-CH-517-152				X			14.36
	3/4-CH-518-152				X			14.37
	3/4-CH-519-152				X			14.38
	3/4-CH-523-1502				X			14.39
	2-CH-532-602				X			14.40
	2-CH-533-602				X			14.41
	3/4-CH-540-1502				X			14.42
	3/4-CH-560-1502				X			14.43
	3/4-CH-561-1502				X			14.44
	1-CH-562-1502				X			14.45
	1-CH-563-1502				X			14.46

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	1-CH-564-1502				X			14.47
	1-CH-565-1502				X			14.48
	1-CH-566-1502				X			14.49
	1-CH-567-1502				X			14.50
Safety Injection/ FM 106 A & B	12-S1-201-153		*				See MSK - 127A	14.53
	12-S1-202-153		*				See MSK - 127A	14.54
	12-S1-203-153		*				See MSK - 127A	14.56
	12/16-S1-205-153		*				See MSK - 127A	14.57
	10-S1-206-153	X						14.58
	8-S1-207-152	X						15.1
	1 1/2-S1-208-152				X			15.2
	1-S1-209-1503				X			15.3
	1-S1-211-602				X			15.4
	1-S1-212-602				X			15.5
	10-S1-213-153	X						15.6
	8-S1-214-153	X						15.7
	10-S1-216-153	X						15.8
	8-S1-217-152	X						15.9
	6-S1-218-152	X						15.10
	6-S1-219-152	X						15.11
	1-S1-220-1503				X			15.12
	2-S1-225-152				X			15.13
	3/4-S1-227-602				X			15.14
	3/4-S1-228-602				X			15.15
	3/4-S1-229-602				X			15.16
	3/4-S1-230-152				X			15.17
	3/4-S1-233-1502				X			15.18
	3/4-S1-234-1502				X			15.19
	3/4-S1-235-1502				X			15.20
	3/4-S1-236-602				X		From 12"S1-245-1502 to T58 valve	15.21
	3/4-S1-237-602				X		From 12"S1-246-1502 to T58 valve	15.22
	3/4-S1-238-602				X		From 12"S1-247-1502 to T58 valve	15.23
	3/4-S1-239-1502				X			15.24
	3/4-S1-240-1502				X			15.25
	3/4-S1-241-1502				X			15.26
	3/4-S1-242-602				X			15.27
	3/4-S1-243-602				X			15.28
	3/4-S1-244-602				X			15.29
	12-S1-245-1502	X						15.30
	12-S1-246-1502	X						15.31

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	12-S1-247-1502	X						15.32
	6-S1-248-1502	X						15.33
	6-S1-249-1502	X						15.34
	6-S1-250-1502	X						15.35
	3/4-S1-255-153				X			15.36
	3/4-S1-256-153				X			15.37
	3-S1-257-1503		X					15.38
	3-S1-258-1503		X					15.39
	3/4-S1-259-1503				X			15.40
	1-S1-260-1503				X			15.41
	1-S1-261-602				X			15.42
	1-S1-262-152				X			15.43
	2-S1-263-602				X			15.44
	1-S1-264-152				X			15.45
	2-S1-265-602				X			15.46
	1-S1-266-152				X			15.47
	2-S1-267-602				X			15.48
	3/4-S1-268-1503				X			15.49
	213-S1-270-1503			X				15.50
	2-S1-271-1503	X						15.51
	3-S1-272-1503			X				15.52
	2-S1-273-1503				X			15.53
	2-S1-274-1502				X			15.54
	2-S1-275-1502				X			15.55
	2-S1-276-1503				X			15.56
	2-S1-277-1503				X			15.57
	6-S1-278-152	X						15.58
	2-S1-279-1502				X			16.1
	2-S1-280-1502				X			16.2
	2-S1-281-1502				X			16.3
	10-S1-283-152	X						16.4
	10-S1-284-152	X						16.5
	2-S1-285-1502				X			16.6
	1-S1-287-1503				X			16.7
	3/4-S1-290-1503				X			16.8
	1-S1-295-601				X			16.9
	1-S1-296-601				X			16.10
	1-S1-297-602				X			16.11
	1-S1-298-601				X			16.12
	1-S1-299-602				X			16.13
	1-S1-300-602				X			16.14
	1-S1-301-601				X			16.15

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/FM	Line Number	Verification A	B	C	D	E	Notes	
	8-S1-302-152	X						16.16
	1-S1-303-152				X			16.17
	1-S1-305-601				X			16.18
	2-S1-331-152				X			16.19
	3/4-S1-332-153				X			16.20
	1/2-S1-333-N9				X			16.21
	1/2-S1-334-N9				X			16.22
	1/2-S1-335-N9				X			16.23
	1/2-S1-336-N9				X			16.24
	3/4-S1-337-153				X			16.25
	1/2-S1-338-N9				X			16.26
	1/2-S1-339-N9				X			16.27
	1/2-S1-340-N9				X			16.28
	1/2-S1-341-N9				X			16.29
	6-S1-343-1502	X						16.30
	6-S1-344-1502	X						16.31
	6-S1-345-1502	X						16.32
	3-S1-346-1503			X				16.33
	3-S1-347-1503			X				16.34
	10-S1-348-153	X						16.35
	10-S1-349-153	X						16.36
	10-S1-350-153	X						16.37
	10-S1-351-153	X						16.38
	10-S1-352-1502	X						16.39
	6-S1-353-1502	X						16.40
	3/4-S1-354-1502				X			16.41
	3/4-S1-355-1502				X			16.42
	3/4-S1-356-1502				X			16.43
	3/4-S1-357-1502				X			16.44
	3/4-S1-358-1502				X			16.45
	3/4-S1-359-1502				X			16.46
	3/4-S1-360-153				X			16.47
	1-S1-361-1503				X			16.48
	12-S1-362-153	X						16.49
	12-S1-363-153	X						16.50
Gaseous Waste Disposal/ System FM 107 A & B	3-GW-42-154			X				16.53
	3-GW-43-154			X				16.54
	3-GW-44-154			X				16.56
	3-GW-45-154			X				16.57
	3-GW-46-153			X				16.58

SURRY POWER STATION, UNIT 2

QA CATEGORY I PIPING
LINE TABLE

System/PM	Line Number	Verification A	B	C	D	E	Notes
	3-GW-47-153			X			17.1
	3-GW-48-153			X			17.2
	3-GW-49-153			X			17.3