

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**RICHMOND, VIRGINIA 23261**

February 4, 2000

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

Serial No.	00-031
SPS/CGL	R1
Docket Nos.	50-280 50-281
License Nos.	DPR-32 DPR-37

Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**SURRY POWER STATION UNITS 1 AND 2**  
**COMPLETION OF OUTLIER RESOLUTION - USI A-46 PROGRAM**  
**GENERIC LETTER (GL) 87-02 – VERIFICATION OF SEISMIC ADEQUACY**  
**OF MECHANICAL AND ELECTRICAL EQUIPMENT**

By a November 26, 1997 letter (Serial No. 97-664), Virginia Electric and Power Company transmitted the plant-specific summary report in response to GL 87-02 and to address the resolution of unresolved safety issue (USI) A-46, "Seismic Qualification of Equipment in Operating Plants". The USI A-46 program was implemented at Surry using the Generic Implementation Procedure, Revision 2, (GIP-2) prepared by the Seismic Qualification Utilities Group (SQUG) and was consistent with Staff's Supplemental Safety Evaluation Report No. 2 (SSER-2) with no significant deviations or exceptions. While the summary report reflected completion of the majority of the effort addressing USI A-46, it identified outliers that had not been resolved at that time. These unresolved outliers were listed and discussed in Sections 11.1 and 11.2 of the summary report.

In our November 26, 1997 letter, we stated that disposition of the outliers was planned by the end of the Surry Unit 2 refueling outage then scheduled to begin in September 2000. The resolutions of the outliers has been ongoing and, by a January 5, 1999 letter (Serial No. 98-582), we provided an interim status in response to an NRC request for additional information. The resolution of the outliers is now complete.

The purpose of this letter is to provide the disposition of the outliers and the information required by the GIP-2. Attachment 1 summarizes the completed resolution of the outliers and includes an updated Table 11.2-1 from the summary report. Attachment 2

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provides revised Screening Verification Data Sheets (SVDSs) and associated Notes, as required by Section 9.1 of GIP-2. The SVDSs summarize the results of the seismic verification of mechanical and electrical equipment.

If you have questions or require further information regarding closure of the USI A-46 issue for Surry, please contact us.

Very truly yours,



Leslie N. Hartz  
Vice President – Nuclear Engineering and Services

Attachments

- 1 - Summary of the Resolution of Outliers – Surry USI A-46 Program
- 2 - Screening Verification Data Sheets (SVDSs) and Notes

Commitments made in this letter: None.

cc: U.S. Nuclear Regulatory Commission  
Region II  
Atlanta Federal Center  
61 Forsyth Street, SW  
Suite 23T85  
Atlanta, Georgia 30323

Mr. R. A. Musser  
NRC Senior Resident Inspector  
Surry Power Station

COMMONWEALTH OF VIRGINIA    )  
  )  
COUNTY OF HENRICO            )

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Leslie N. Hartz, who is Vice President - Nuclear Engineering & Services, of Virginia Electric and Power Company. She has affirmed before me that she is duly authorized to execute and file the foregoing document in behalf of that Company, and that the statements in the document are true to the best of her knowledge and belief.

Acknowledged before me this 4<sup>th</sup> day of February, 2000.

My Commission Expires: 3/31/2000.

Maggie McClure  
Notary Public

(SEAL)

## ATTACHMENT 1

### Summary of the Resolution of Outliers - USI A-46 Program Surry Power Station Units 1 and 2

The USI A-46 summary report transmitted to the NRC by a November 26, 1997 letter (Serial No. 97-664) identified unresolved outliers related to electrical and mechanical equipment, relays, and cable and conduit raceway systems. An interim status of these outliers, including an update of Table 11.2-1, was provided in response to an NRC request for additional information in our January 5, 1999 letter (Serial No. 98-582). The resolution of these outliers and/or plant installation deficiencies is provided below.

- Summary of Outlier Resolution for Mechanical/Electrical Equipment and Essential Relays:

Table 11.2-1, List of Outstanding Outliers and Issues, in the November 26, 1997 submittal contained a list of issues that remained open at that time. The resolution plan and completed resolution of each item is shown in the updated Table 11.2-1 that follows.

- Status of Outlier Resolution for Cable and Conduit Raceway Systems:

Several conduit covers were missing in the cable vault and tunnel area and in the Service Building and Turbine Building. Some anchor bolts were noted missing in base plate supports for conduits in the Turbine Building. These deficiencies have been satisfactorily resolved.

**UPDATED TABLE 11.2-1**

**Resolution of Outstanding Outliers for  
Mechanical/Electrical Equipment and Essential Relays**

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION PLAN FROM NOV. 26, 1997 SUMMARY REPORT/ <b>COMPLETED RESOLUTION (BOLD)</b>
1	Cabinet contains essential relays and is not connected to the adjacent cabinet. The cabinet also has a low ruggedness relay (Westinghouse-SV).	3-EE-PNL-35	<p>Field Change to Design Change Package 93-033-3 has been issued to bolt the cabinet to adjacent cabinet. Also, the low ruggedness relay is planned to be replaced via Station approved Design Change 95-017.</p> <p><b>The cabinets have been bolted together per the Design Change. The SV relay in the cabinet (for EDG No. 3) was replaced by a seismically qualified Wilmar relay per the Design Change.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
2	A low ruggedness relay (Westinghouse-SV) was found in these cabinets.	1-AP-CC-35-1 2-AP-CC-35-2	<p>The low ruggedness relay is planned to be replaced via Station approved Design Change 95-017.</p> <p><b>The low ruggedness SV relay was replaced by a seismically qualified Wilmar relay in cabinets 1-AP-CC-35-1 (EDG No. 1) and 2-AP-CC-35-2 (EDG No. 2).</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
3	MCC cabinet contains essential relays, is not connected to an adjacent cabinet, and the anchorage is to be enhanced.	1-EP-MCC-1J1-1A	<p>Field Change to Design Change Package (DCP) 93-033-3 has been issued to bolt MCC cabinet to adjacent cabinet and to enhance MCC cabinet anchorage.</p> <p><b>The cabinets were bolted together, and the anchorage was modified per the DCP.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION PLAN FROM NOV. 26, 1997 SUMMARY REPORT/ COMPLETED RESOLUTION (BOLD)
4	The nuts for some of the bolts connecting the transformer coils to the base channels are loose (up to 1/8"). Also, a tightness check was not performed for the transformer cabinet anchor bolts.	1-EP-TRAN-1H 1-EP-TRAN-1H1 1-EP-TRAN-1J 1-EP-TRAN-1J1 2-EP-TRAN-2H 2-EP-TRAN-2H1 2-EP-TRAN-2J	<p>The nuts for the bolts connecting the transformer coils to the base channels will be tightened and a tightness check will be performed for the representative samples of the transformer cabinet anchor bolts.</p> <p><b>The nuts for the bolts connecting the transformer coils to base channels have been tightened for the transformers. A tightness check was performed for the anchor bolts of Unit 1 transformers. The accessible Unit 1 anchor bolts were found to be tight. Based on this and past results of bolt tightness checks on Unit 1 and Unit 2 USI A-46 components, it is concluded that both accessible and inaccessible Unit 1 and Unit 2 transformer anchor bolts are adequate. Further review is not required.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
5	The gaps between batteries do not have close fitting, crush resistant fillers.	1-SW-B-1A 1-SW-B-1B 1-SW-B-1C	<p>A Field Change to DCP 93-033-3 will be issued to install the fillers.</p> <p><b>Further walkdown of the batteries was performed. A structural member separates the battery cells and sufficient gap exists between battery cells and rack frames. An evaluation was performed and concluded that the cells will remain intact in a seismic event without sliding, rocking or tipping over. No modification is required.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
6	These dampers are class "0" items of equipment that are not covered by GIP.	1-VS-SAD-22A 1-VS-SAD-22B 1-VS-SAD-22C	<p>Guidelines provided by SQUG for this type of equipment will be reviewed to assess their applicability and adequacy.</p> <p><b>The dampers are mounted on the EDG radiator cooling fan-housing enclosure as part of engine on the skid and can be considered as rule-of-the-box items. Further, the vendor catalog sheets for the fans and dampers, as well as the specification, were reviewed. No concern was noted related to the capacity of the dampers.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION PLAN FROM NOV. 26, 1997 SUMMARY REPORT/ COMPLETED RESOLUTION (BOLD)
7	This switchgear cabinet is missing base plug welds at some locations.	1-EP-SW-1H	<p>The anchorage will be enhanced through a Field Change to DCP 93-033-3.</p> <p><b>The missing plug welds were completed per the above DCP.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
8	Further evaluation of the fan housing mounting is to be performed.	MOD-VS-58A MOD-VS-58B	<p>Further walkdown and anchorage evaluation will be performed.</p> <p><b>A walkdown and a subsequent evaluation were completed. The mounting is adequate.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
9	These MCCs are back-to-back and tied together at the end cabinet bays only. A potential exists for seismic interaction of the center bays.	1-EP-MCC-1J1-2E, 1-EP-MCC-1J1-2W 1-EP-MCC-1H1-2N 1-EP-MCC-1H1-2S 2-EP-MCC-2J1-2E 2-EP-MCC-2J1-2W 2-EP-MCC-2H1-2N 2-EP-MCC-2H1-2S	<p>Further review of the cabinet's displacement will be performed. If required, the center bays will be bolted together to prevent potential interaction.</p> <p><b>The center bays of the MCCs for Unit 1 and Unit 2 were bolted together by Field Change to Design Change 93-033-3.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
10	CH/BAST C Temperature elements have a potential of interaction with adjacent conduit supports and require anchorage evaluation.	1-CH-TIC-1103 1-CH-TIC-1166	<p>Interaction concern will be verified through further walkdown and the anchorage evaluation will be performed. If required the anchorage will be enhanced.</p> <p><b>A walkdown and a subsequent evaluation were completed. The anchorage is adequate and no interaction concerns exist.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
11	The type of bolted connection (friction vs. bearing type) in the support frame is unknown.	1-CC-TK-1	<p>Further evaluation of the bolt connection will be performed and if required, the connection will be modified.</p> <p><b>An additional review was performed and it was found that the bolting connection is friction type and, therefore, is not a concern.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION PLAN FROM NOV. 26, 1997 SUMMARY REPORT/ COMPLETED RESOLUTION (BOLD)
12	Control Room (CR) ceiling panels may require reinforcement to prevent their falling during an SSE, and the potential to injure operators.	CR ceiling	<p>CR ceiling panels will be reviewed. If required, they will be tied together with clips to prevent their falling during an SSE.</p> <p><b>To resolve this concern, engineering transmittal CEM 99-0020 was issued. In accordance with this engineering transmittal, Control Room ceiling panels were tied to the T-bars on which they rest using metal clips.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
13	Fuel oil level indicator sight tube is glass, which is a brittle material.	1-EE-TK-3 1-EE-TK-4 2-EE-TK-3	<p>A Field Change to DCP 93-033-3 will be issued to replace indicator sight tubes.</p> <p><b>The sight glass tubes were assessed and found to be acceptable.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>
14	Housekeeping/Conduct of Maintenance issues.	In areas containing safe-shutdown components.	<p>A procedure will be written and implemented at the station to address these issues.</p> <p><b>A Station Administrative Procedure (VPAP-0312) addressing seismic housekeeping concerns has been issued. Engineering walkdowns have shown that the seismic housekeeping guidelines are being implemented.</b></p> <p><b>This outlier/issue is therefore resolved.</b></p>



ATTACHMENT 2

Screening Verification Data Sheets (SVDSs) – USI A-46  
Supplemental Certification and Approval  
Surry Power Station Units 1 and 2

This supplement is prepared to document the certification and approval of those items of equipment for which SVDS entries were revised after the submittal of the USI A-46 Summary Report to the NRC, i.e., November 26, 1997. It is noted that several Seismic Capability Engineers (SCE), who were part of the original Seismic Review Team (SRT) for component walkdown and outlier resolution, are no longer with Nuclear Engineering Department or with Virginia Power. Therefore, revisions to the SVDS entries after November 26, 1997 for component outliers that were resolved by various SRT members have been reviewed and approved by two SCEs whose signatures appear below. Both SCEs were part of the original SRT and are licensed professional engineers.

This supplemental approval confirms that, for the revised SVDS entries, the information contained on the attached Screening Verification Data Sheets is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion.

**APPROVED:**

<u>Divakar Bhargava (DB)</u>	<u><i>Divakar Bhargava</i></u>	<u>1-19-2000</u>
Name/Initials	Signatures	Date

<u>Kamal N. Mehrotra (KNM)</u>	<u><i>Kamal N. Mehrotra</i></u>	<u>1-19-2000</u>
Name/Initials	Signatures	Date

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
1	4067	0	I-MS-GV-1	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 1HHH	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
2	4068	0	I-MS-GV-2	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 1HHH	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
3	4069	0	I-MS-GV-3	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 1HHH	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
4	4070	0	I-MS-GV-4	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 1HHH	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
5	4063	0	I-MS-TV-1	MS/TURB. STOP TRIP VALVE	TURB	59'	Y/4	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
6	4064	0	I-MS-TV-2	MS/TURB. STOP TRIP VALVE	TURB	59'	X/4	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
7	4065	0	I-MS-TV-3	MS/TURB. STOP TRIP VALVE	TURB	59'	Y/3	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
8	4066	0	I-MS-TV-4	MS/TURB. STOP TRIP VALVE	TURB	59'	X/3	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1, O/R19	DB,TWH
9	5176	0	1-VS-MOD-101A	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
10	5177	0	1-VS-MOD-101B	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
11	5178	0	1-VS-MOD-101C	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
12	5130	0	1-VS-S-1A	VS/SELF CLEANING STRAINER	TURB	10'	TURB	10'	Y	ABS	CRS	Y	N/A	Y	Y	Y	O/R18	DB,SEZ
13	5131	0	1-VS-S-1B	VS/SELF CLEANING STRAINER	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	N/A	Y	Y	Y	O/R18	CGR,KNM
14	5197	0	1-VS-SAD-22A*	VS/DG RM 1 EXH. DAMPER	SERVICE	27'	E-15	27'	Y	N/A	N/A	Y	N/A	N/A	Y	Y	O/R40	CGR,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
15	5198	0	1-VS-SAD-22B*	VS/DG RM 3 EXH. DAMPER	SERVICE	27'	E-16	27'	Y	N/A	N/A	Y	N/A	N/A	Y	Y	O/R40	CGR,KNM
16	5199	0	1-VS-SAD-22C*	VS/DG RM 2 EXH. DAMPER	SERVICE	27'	E-15	27'	Y	N/A	N/A	Y	N/A	N/A	Y	Y	O/R40	CGR,KNM
17	5182	0	AOD-VS-107A	VS/AUX BLDG EXHAUST DAMPER	AUX	45.8'	G/9	45.8'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
18	5183	0	AOD-VS-107B	VS/AUX BLDG EXHAUST DAMPER	AUX	45.8'	G/9	45.8'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
19	5190	0	MOD-VS-58A ✓	VS/FILTER EXHAUST FAN DAMPER	AUX	45.8'	J/10	45.8'	Y	ABS	CRS	Y	N/A	Y	Y	Y	O/R27,O/R35	SEZ,TWH,1
20	5191	0	MOD-VS-58B ✓	VS/FILTER EXHAUST FAN DAMPER	AUX	45.8'	J/10	45.8'	Y	ABS	CRS	Y	N/A	Y	Y	Y	O/R35	SEZ,TWH,1
21	6101	01	1-EP-MCC-1H1-1B	MCC FOR CHILLER E	TURB		MER5	9'-6"	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
22	6017	01	1-EP-MCC-1H1-1	EE/EMERGENCY MCC 1H1-1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R10	TWH,SEZ
23	6019	01	1-EP-MCC-1H1-1A	EE/EMERGENCY MCC 1H1-1A	SERVICE	27'	EDG #1	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R1	DB,DPM
24	6018	01	1-EP-MCC-1H1-2N ✓	EE/EMERGENCY MCC 1H1-2N	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R38	TWH,SEZ,3
25	6018A	01	1-EP-MCC-1H1-2S ✓	EE/EMERGENCY MCC 1H1-2S	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R38	TWH,SEZ,3
26	6020	01	1-EP-MCC-1J1-1	EE/EMERGENCY MCC 1J1-1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R10	TWH,SEZ
27	6023	01	1-EP-MCC-1J1-1A ✓	EE/EMERGENCY MCC 1J1-1A	SERVICE	27'	EDG #3	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R31	DB,DPM
28	6021	01	1-EP-MCC-1J1-2E ✓	EE/EMERGENCY MCC 1J1-2E	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R38	TWH,SEZ,3

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$sscl\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Flr.	Rm/Row/Col.											
29	6021A	01	1-EP-MCC-1J1-2W ✓	EE/EMERGENCY MCC 1J1-2W	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	N	Y	Y	Y	O/R38	TWH,SEZ,3
30	6102	01	1-EP-MCC-1K1	MCC FOR CHILLER A	SERVICE		ESGR1	9'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	8	CGR,KNM
31	6103	01	1-EP-MCC-1K2	MCC FOR CHILLER D	SERVICE		ESGR1	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
32	6026	02	1-EE-SW-2*	EE/SEMI-VITAL MANUAL TRANSFER SWITCH	SERVICE		CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
33	6108	02	1-EP-BKR-150	CONTROL ROOM ISOL. BREAKER (GREEN)	SERVICE	9.5'	ESGR1	9'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	5	CGR,KNM
34	6109	02	1-EP-BKR-151	CONTROL ROOM ISOL. BREAKER (GREEN)	SERVICE	9.5'	ESGR1	9'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	5	CGR,KNM
35	6110	02	1-EP-BKR-152	ISOL. BREAKER (GREEN)	TURB		TURB	9'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	6	CGR,KNM
36	6013	02	1-EP-LCC-1H	EE/480V EMERGENCY BUS 1H	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
37	6014	02	1-EP-LCC-1H-1	EE/480V EMERGENCY BUS 1H1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
38	6015	02	1-EP-LCC-1J	EE/480V EMERGENCY BUS 1J	SERVICE	9.5'	EMER SWGR	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
39	6016	02	1-EP-LCC-1J-1	EE/480V EMERGENCY BUS 1J1	SERVICE	9.5'	EMER SWGR	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
40	9998A	02	1-RP-BKR-52-BYA	RP/REACTOR TRIP BY-PASS BREAKER A	SERVICE	45'	CABLE SPREAD	53'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
41	9998B	02	1-RP-BKR-52-BYB	RP/REACTOR TRIP BY-PASS BREAKER B	SERVICE	45'	CABLE SPREAD	53'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
42	1155	02	1-RP-BKR-52-RTA	RP/REACTOR TRIP BREAKER A	SERVICE	45'	CABLE SPREAD	53'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr.	Elv.											
43	1156	02	1-RP-BKR-52-RTB	RP/REACTOR TRIP BREAKER B	SERVICE	45'		CABLE SPREAD	53'	N/A	ABS	CRS	Y	Y	Y	Y	O/R26	DB,DPM
44	6007	03	1-EE-STUB-1H*	EE/4KV EMERGENCY STUB BUS 1H	SERVICE	9.5'		EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ,3
45	6008	03	1-EE-STUB-1J*	EE/4KV EMERGENCY STUB BUS 1J	SERVICE	9.5'		EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ,3
46	7158	03	1-EP-SW-1H ✓	EP/4160V EMERG BUS 1H	SERVICE	10'		C/6	9.5'	Y	ABS	CRS	Y	Y	Y	Y	O/R39	TWH,SEZ,3
47	7159	03	1-EP-SW-1J	EP/4160V EMERG BUS 1J	SERVICE	10'		C/6	9.5'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ
48	6009	04	1-EP-TRAN-1H ✓	EE/4160-480 SERVICE TRANSFORMER 1H	SERVICE	9.5'		EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	O/R34	DB,DPM
49	6010	04	1-EP-TRAN-1HI ✓	EE/4160-480 SERVICE TRANSFORMER 1HI	SERVICE	9.5'		EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	O/R34	DB,DPM
50	6011	04	1-EP-TRAN-1J* ✓	EE/4160-480 SERVICE TRANSFORMER 1J	SERVICE	9.5'		EMER SWGR	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	O/R34	CGR,KNM
51	6012	04	1-EP-TRAN-1JI* ✓	EE/4160-480 SERVICE TRANSFORMER 1JI	SERVICE	9.5'		EMER SWGR	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	O/R34	CGR,KNM
52	6024	04	1-EP-XFMR-1SVB1-1	EE/480-120 SEMI-VITAL TRANSFORMER	SERVICE	9.5'		C/6	18'	Y	ABS	CRS	Y	Y	Y	Y		DB,DPM
53	6025	04	1-EP-XFMR-1SVB1-2	EE/480-120 SEMI-VITAL TRANSFORMER	SERVICE	27'			32'-2"	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ
54	5250	04	1-HT-T-2A1	HT/TRANSFORMER	AUX	27'		H/9	27'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ
55	5251	04	1-HT-T-2A2	HT/TRANSFORMER	AUX	45'		J/9	45'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ
56	5252	04	1-HT-T-2A3	HT/TRANSFORMER	AUX	27'		J/8.75	27'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.											
57	5253	04	I-HT-T-2B1	HT/TRANSFORMER	AUX	27'	H/9.5	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
58	5254	04	I-HT-T-2B2	HT/TRANSFORMER	AUX	45'	J/9	45'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
59	5255	04	I-HT-T-2B3	IHT/TRANSFORMER	AUX	27'	J/9.5	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
60	5002	05	I-CC-P-1A	CC/COMPONENT COOLING PUMP	AUX	2'	G/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	WHT,TWH,3
61	5003	05	I-CC-P-1B	CC/COMPONENT COOLING PUMP	AUX	2'	G/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	WHT,TWH,3
62	1046	05	I-CH-P-1A	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
63	1047	05	I-CH-P-1B	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
64	1048	05	I-CH-P-1C	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
65	1019	05	I-CH-P-2A	CH/BORIC ACID TRANSFER PUMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
66	1020	05	I-CH-P-2B	CH/BORIC ACID TRANSFER PUMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
67	5202	05	I-EE-P-1A	EE/EDG 1 READY FO TRANSFER PUMP	FOPH	16'	NOTE 1H	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
68	5204	05	I-EE-P-1B	EE/EDG 2 READY FO TRANSFER PUMP	FOPH	16'	NOTE 1H	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
69	5206	05	I-EE-P-1C	EE/EDG 3 READY FO TRANSFER PUMP	FOPH	16'	NOTE 1KK	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
70	5203	05	I-EE-P-1D	EE/EDG 1 STANDBY FO TRANSFER PUMP	FOPH	16'	NOTE 1HH	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
71	5205	05	1-EE-P-1E	EE/EDG 2 STANDBY FO TRANSFER PUMP	FOPH	16'	NOTE 1JJ	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
72	5207	05	1-EE-P-1F	EE/EDG 3 STANDBY FO TRANSFER PUMP	FOPH	16'	NOTE 1VV	16'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
73	4141	05	1-FW-P-2	FW/STEAM DRIVEN AUX FEED PUMP	MSVH	27.5'	GB/5.6	27.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
74	4144	05	1-FW-P-3A	FW/MOTOR DRIVEN AUX FEED PUMP	SFGD	27.5'	GA/5.62	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
75	4146	05	1-FW-P-3B	FW/MOTOR DRIVEN AUX. FEED PUMP	SFGD	27.5'	GA/4.87	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
76	4156	05	1-FW-P-4A	FW/EMERGENCY CNDS MAKE-UP PUMP	MSVH	11'	NOTE IRR	11'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
77	4157	05	1-FW-P-4B	FW/EMERGENCY CNDS MAKE-UP PUMP	MSVH	11'	NOTE ISS	11'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
78	4227	05	1-RH-P-1A	RH/RESIDUAL HEAT REMOVAL PUMP	CONTMT	-13'	RHR FLAT	-13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
79	4228	05	1-RH-P-1B	RH/RESIDUAL HEAT REMOVAL PUMP	CONTMT	-13'	RHR FLAT	-13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
80	6213	05	1-VS-P-2D	CHILLED WATER PUMP MOTOR	TURB	10'	MER5	10'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
81	5075	06	1-CC-P-2A	CC/CHARGING PUMP COOLING WATER PUMP	AUX	2'	J/8.1	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
82	5076	06	1-CC-P-2B	CC/CHARGING PUMP COOLING WATER PUMP	AUX	2'	J/8.1	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
83	5113	06	1-SW-P-10A	SW/CHARGING PUMP SW PUMP	SERVICE	10'	C/10, MER-3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
84	5114	06	1-SW-P-10B	SW/CHARGING PUMP SW PUMP	SERVICE	10'	C/10, MER-3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Elev.										
85	5083	06	I-SW-P-1A	SW/EMERGENCY SERVICE WATER PUMP	ESW	12'	NOTE 1YY	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R29	CGR,KNM
86	5084	06	I-SW-P-1B	SW/EMERGENCY SERVICE WATER PUMP	ESW	12'	NOTE 1ZZ	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R29	CGR,KNM
87	5085	06	I-SW-P-1C	SW/EMERGENCY SERVICE WATER PUMP	ESW	12'	NOTE 1AAA	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R29	CGR,KNM
88	5132	06	I-VS-P-1A	VS/CR & RR AC SW PUMP	SERVICE	10'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
89	5133	06	I-VS-P-1B	VS/CR & RR AC SW PUMP	SERVICE	10'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
90	5134	06	I-VS-P-1C	VS/CR & RR AC SW PUMP	SERVICE	10'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
91	6211	06	I-VS-P-1D	SERVICE WATER PUMP MOTOR	TURB	10'	MERS	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
92	6212	06	I-VS-P-1E	SERVICE WATER PUMP MOTOR	TURB	10'	MERS	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
93	5151	06	I-VS-P-2A	VS/CHILLED WATER PUMP	SERVICE	9.5'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
94	5154	06	I-VS-P-2B	VS/CHILLED WATER PUMP	SERVICE	19'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
95	5157	06	I-VS-P-2C	VS/CHILLED WATER PUMP	SERVICE	19'	MECH EQUIP #3	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
96	5068	07	I-CC-TCV-103	CC/NON-REGEN HX CCW OUTLET ISOL	AUX	13'	K/8.6	16'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
97	5050	07	I-CC-TV-109A	CC/CCW RHR OUTLET TRIP	AUX	4'	K/7.4	4'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
98	5051	07	I-CC-TV-109B	CC/CCW RHR OUTLET TRIP	AUX	4'	K/7.4	4'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH



Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.											
99	1031	07	1-CH-FCV-1113A	CH/BAST TO BLENDER CONTROL	AUX	13'	G/8.62	14'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
100	1071	07	1-CH-FCV-1122	CH/FLOW CONTROL VALVE	AUX	2'	H/7.3	3.5'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
101	3090	07	1-CH-HCV-1142	CH/LETDOWN TO RHR ISOL	CONTMT	-9'	RHR FLAT, 06	-8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
102	3061	07	1-CH-HCV-1200A	CH/LETDOWN ORIFICE 1 CONTROL	CONTMT	4'	PRESS, 10	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	CGR,KNM
103	3063	07	1-CH-HCV-1200B	CH/LETDOWN ORIFICE 3 CONTROL	CONTMT	1'	PRESS, 10	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	CGR,KNM
104	3065	07	1-CH-HCV-1200C	CH/LETDOWN ORIFICE 2 CONTROL	CONTMT	-3'	PRESS, 10	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	CGR,KNM
105	2005	07	1-CH-HCV-1311	CH/AUX SPRAY ISOL	CONTMT	25'	BASE, 10	-23'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
106	3056	07	1-CH-LCV-1460A	CH/LETDOWN ISOL	CONTMT	-2'	A CUB, 18	-2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
107	3058	07	1-CH-LCV-1460B	CH/LETDOWN ISOL	CONTMT	-2'	A CUB, 18	-2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
108	3078	07	1-CH-TCV-1143	CH/LETDOWN FLOW 3-WAY VALVE	AUX	2'	M/8.7	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
109	3066A	07	1-CH-TV-1204A	CH/LETDOWN INNER CONTMT ISOL	CONTMT	-3'	9	-3'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	TWH,SEZ
110	3067	07	1-CH-TV-1204B	CH/LETDOWN OUTER CONTMT ISOL	AUX	2'	J/7.3	4'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
111	4071	07	1-EH-45	EH/INTERFACE EMERGENCY TRIP VALVE	TURB	58'	X/3	64'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1	DB,TWH
112	2028	07	1-IA-PCV-101	IA/PORV BACKUP REGULATOR	CONTMT	47'	PRESS, 09	53'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr.	Rm/Row/Col.											
113	2022	07	I-IA-PCV-102	IA/PORV BACKUP REGULATOR	CON	TMT	47'	PRESS, 09	53'	N	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
114	4088	07	I-MS-FCV-104A	MS/MSR STEAM SUPPLY CONTROL	TURB		6'	Y/4	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
115	4089	07	I-MS-FCV-104B	MS/MSR STEAM SUPPLY CONTROL	TURB		6'	B/3	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
116	4090	07	I-MS-FCV-104C	MS/MSR STEAM SUPPLY CONTROL	TURB		6'	Y/5	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
117	4091	07	I-MS-FCV-104D	MS/MSR STEAM SUPPLY CONTROL	TURB		6'	X/7	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
118	4137	07	I-MS-PCV-102A	MS/TURBINE ISOL	MSVH		27'	GA/5.6	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
119	4133	07	I-MS-PCV-102B	MS/TURBINE ISOL	MSVH		27'	GA/5.6	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
120	4006	07	I-MS-RV-101A	MS/POWER-OPERATED RELIEF VALVE	MSVH		57'	GB/5.6	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
121	4020	07	I-MS-RV-101B	MS/POWER-OPERATED RELIEF VALVE	MSVH		57'	GB/4.8	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
122	4046	07	I-MS-RV-101C	MS/POWER-OPERATED RELIEF VALVE	MSVH		57'	GB/4.8	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
123	4005	07	I-MS-SV-101A	MS/OVERPRESSURE SAFETY VALVE	MSVH		57'	NOTE 1M	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
124	4025	07	I-MS-SV-101B	MS/OVERPRESSURE SAFETY VALVE	MSVH		57'	NOTE 1V	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
125	4045	07	I-MS-SV-101C	MS/OVERPRESSURE SAFETY VALVE	MSVH		57'	NOTE 1DD	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
126	4003	07	I-MS-SV-102A	MS/OVERPRESSURE SAFETY VALVE	MSVH		57'	NOTE 1K	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr. Elv.	Rm/Row/Col. Elev.										
127	4023	07	1-MS-SV-102B	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1T	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
128	4043	07	1-MS-SV-102C	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1BB	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
129	4002	07	1-MS-SV-103A	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1J	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
130	4022	07	1-MS-SV-103B	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1S	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
131	4042	07	1-MS-SV-103C	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1AA	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
132	4001	07	1-MS-SV-104A	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1I	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
133	4021	07	1-MS-SV-104B	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1R	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
134	4041	07	1-MS-SV-104C	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1Z	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
135	4004	07	1-MS-SV-105A	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1L	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
136	4024	07	1-MS-SV-105B	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1U	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
137	4044	07	1-MS-SV-105C	MS/OVERPRESSURE SAFETY VALVE MSVH		57'	NOTE 1CC	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
138	4104	07	1-MS-TCV-105A	MS/STEAM DUMP VALVE	TURB	6'	Y/4	9'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
139	4105	07	1-MS-TCV-105B	MS/STEAM DUMP VALVE	TURB	6'	X/6	9'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
140	4013	07	1-MS-TV-101A	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/5.6	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21 DB,SEZ

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$sscl\_note and (not 'Y'\$rule\_of\_box)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
141	4034	07	I-MS-TV-101B	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/4.8	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21	DB,SEZ
142	4053	07	I-MS-TV-101C	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/4.8	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21	DB,SEZ
143	4134	07	I-MS-TV-120	MS/TURBINE ISOL	MSVH	27'	GA/5.6	30'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,TWH
144	2025	07	I-RC-PCV-1455C	RC/PRZR PORV	CONTMT	47'	PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
145	2019	07	I-RC-PCV-1456	RC/PRZR PORV	CONTMT	47'	PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
146	5138	07	I-SW-PCV-100A	SW/CR & RR AC CHILLER OUTLET ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
147	5139	07	I-SW-PCV-100B	SW/CR & RR AC CHILLER OUTLET ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
148	5140	07	I-SW-PCV-100C	SW/CR & RR AC CHILLER OUTLET ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
149	6204	07	I-SW-PCV-100D	SERVICE WATER PRESSURE CONTROL VALVE	TURB	9.6'	MERS	9'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
150	6205	07	I-SW-PCV-100E	SERVICE WATER PRESSURE CONTROL	TURB	9.6'	MERS	9'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
151	5144	07	I-SW-PCV-101A	SW/CR & RR AC CHILLER RECIRC ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
152	5145	07	I-SW-PCV-101B	SW/CR & RR AC CHILLER RECIRC ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
153	5146	07	I-SW-PCV-101C	SW/CR & RR AC CHILLER RECIRC ISOL	SERVICE	10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
154	3130	08A	I-CH-MOV-1115B	CH/CHARGING PUMP SUCTION FROM RWST	AUX	13'	H/8.6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		WHT,TWH

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
155	1041	08A	I-CH-MOV-1115C	CH/VCT OUTLET TO CHARGING PUMPS	AUX	13'	K/9	16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
156	3131	08A	I-CH-MOV-1115D	CH/CHARGING PUMP SUCTION FROM RWST	AUX	13'	J/8.6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		WIHT,TWH
157	1042	08A	I-CH-MOV-1115E	CH/VCT OUTLET TO CHARGING PUMPS	AUX	13'	K/9	16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB, DPM
158	1068	08A	I-CH-MOV-1289A	CH/CHARGING STOP VALVE	AUX	2'	H/7.3	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
159	1067	08A	I-CH-MOV-1289B	CH/CHARGING STOP VALVE	AUX	2'	H/7.3	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
160	1028	08A	I-CH-MOV-1350	CH/EMERGENCY BORATION VALVE	AUX	13'	G/8.6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
161	5100	08A	I-CW-MOV-100A	CW/CONDENSER OUTLET ISOL	TURB	6'	Z/5	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
162	5101	08A	I-CW-MOV-100B	CW/CONDENSER OUTLET ISOL	TURB	6'	Z/5	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
163	5102	08A	I-CW-MOV-100C	CW/CONDENSER OUTLET ISOL	TURB	6'	Z/6	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
164	5103	08A	I-CW-MOV-100D	CW/CONDENSER OUTLET ISOL	TURB	6'	Z/6	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
165	5094	08A	I-CW-MOV-106A	CW/CONDENSER INLET ISOL	TURB	6'	B/5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
166	5095	08A	I-CW-MOV-106B	CW/CONDENSER INLET ISOL	TURB	6'	B/5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
167	5096	08A	I-CW-MOV-106C	CW/CONDENSER INLET ISOL	TURB	6'	B/5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
168	5097	08A	I-CW-MOV-106D	CW/CONDENSER INLET ISOL	TURB	6'	B/5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
169	4191	08A	1-FW-MOV-151A	FW/ISOLATION AFW HEADER 2 - SG C	CONTMT	48'	ANN., 10-11	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
170	4188	08A	1-FW-MOV-151B	FW/ISOLATION AFW HEADER 1 - SG C	CONTMT	48'	ANN., 10	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
171	4190	08A	1-FW-MOV-151C	FW/ISOLATION AFW HEADER 2 - SG B	CONTMT	48'	ANN., 10-11	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
172	4187	08A	1-FW-MOV-151D	FW/ISOLATION AFW HEADER 1 - SG B	CONTMT	48'	ANN., 11	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
173	4189	08A	1-FW-MOV-151E	FW/ISOLATION AFW HEADER 2 - SG A	CONTMT	48'	ANN., 10	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
174	4186	08A	1-FW-MOV-151F	FW/ISOLATION AFW HEADER 1 - SG A	CONTMT	48'	ANN., 09-10	48'	N	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ,3
175	4076	08A	1-MS-MOV-100A	MS/MSR REHEAT STEAM INLET	TURB	59'	Y/4	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
176	4077	08A	1-MS-MOV-100B	MS/MSR REHEAT STEAM INLET	TURB	59'	X/4	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
177	4078	08A	1-MS-MOV-100C	MS/MSR REHEAT STEAM INLET	TURB	59'	Y/4	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
178	4079	08A	1-MS-MOV-100D	MS/MSR REHEAT STEAM INLET	TURB	59'	X/7	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
179	3022	08A	1-RC-MOV-1535	RC/PORV BLOCKING VALVE	CONTMT	47'	PRESS, 09	64'	N	DOC/ABS	CRS	Y	Y	N/A	Y	Y	2	DB,DPM
180	3023	08A	1-RC-MOV-1536	RC/PORV BLOCKING VALVE	CONTMT	47'	PRESS, 09	64'	N	DOC/ABS	CRS	Y	Y	N/A	Y	Y	2	DB,DPM
181	4225	08A	1-RH-MOV-1700	RH/RHR PUMP SUCTION ISOL	CONTMT	-3.5'	A CUB	-1'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
182	4226	08A	1-RH-MOV-1701	RH/RHR PUMP SUCTION ISOL	CONTMT	-13'	RHR FLAT, 3-4	-16'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rile\_of\_bx)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col. Elev.										
183	4243	08A	1-RH-MOV-1720A	RH/RHR RETURN ISOL LOOP B	CONTMT	-25'	RHR FLAT, 7-8	-5'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
184	4244	08A	1-RH-MOV-1720B	RH/RHR RETURN ISOL LOOP C	CONTMT	-25'	RHR FLAT, 7-8	-5'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
185	2038	08A	1-SI-MOV-1865A	SI/ACCUM OUTLET ISOL	CONTMT	-25.5'	BASE, 02	-25'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
186	2041	08A	1-SI-MOV-1865B	SI/ACCUM OUTLET ISOL	CONTMT	-25.5'	BASE, 14	-25'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
187	2044	08A	1-SI-MOV-1865C	SI/ACCUM OUTLET ISOL	CONTMT	-25.5'	BASE, 08	-25'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
188	1057	08A	1-SI-MOV-1867C	SI/SAFETY INJECTION ISOL	AUX	--	--	3'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,SEZ
189	1058	08A	1-SI-MOV-1867D	SI/SAFETY INJECTION ISOL	SFGD	--	--	3'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,SEZ
190	5104	08A	1-SW-MOV-101A	SW/BEARING COOLING HX ISOL	TURB	10'	X/3-4	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
191	5105	08A	1-SW-MOV-101B	SW/BEARING COOLING HX ISOL	TURB	10'	X/3-4	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
192	4184	08A	2-FW-MOV-260A	FW/CROSS CONNECT ISOLATION VALVE	MSVH	27'	GA/5.3	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
193	4185	08A	2-FW-MOV-260B	FW/CROSS CONNECT ISOLATION VALVE	MSVH	27'	GB/5.6	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
194	4072	08B	1-EH-SOV-AST	EH/MASTER TRIP SOLENOID	TURB	61'	NOTE 1FFF	63'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I DB,TWH
195	4073	08B	1-EH-SOV-AST2	EH/BACKUP MASTER TRIP SOLENOID	TURB	61'	NOTE 1GGG	62'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I DB,TWH
196	4071A	08B	1-EH-SOV-ET	EH/BACKUP EMERGENCY TRIP VALVE	TURB	59'	X/3	62'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I DB,TWH

Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
197	4014	08B	I-MS-SOV-101A-A	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
198	4015	08B	I-MS-SOV-101A-B	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
199	4017	08B	I-MS-SOV-101A-D	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
200	4016	08B	I-MS-SOV-101A-E	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
201	4035	08B	I-MS-SOV-101B-A	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
202	4036	08B	I-MS-SOV-101B-B	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
203	4038	08B	I-MS-SOV-101B-D	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
204	4037	08B	I-MS-SOV-101B-E	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
205	4054	08B	I-MS-SOV-101C-A	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
206	4055	08B	I-MS-SOV-101C-B	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
207	4057	08B	I-MS-SOV-101C-D	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
208	4056	08B	I-MS-SOV-101C-E	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/7.3	6'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
209	2026	08B	I-RC-SOV-1455C-1	RC/PRZR PORV PILOT	CONTMT 47'		PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
210	2027	08B	I-RC-SOV-1455C-2	RC/PRZR PORV PILOT	CONTMT 47'		PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM



Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S\$eval\_type and 'A\$ssel\_note and (not 'Y\$rule\_of\_box)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col. Elev.										
211	2020	08B	1-RC-SOV-1456-1	RC/PRZR PORV PILOT	CONTMT	47'	PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
212	2021	08B	1-RC-SOV-1456-2	RC/PRZR PORV PILOT	CONTMT	47'	PRESS, 09	61'	N	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
213	4242	08B	1-SS-HCV-100A	SS/RHR OUTLET SAMPLE ISOL	CONTMT	-27'	7	-17'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
214	4231	08B	1-SS-HCV-100B	SS/RHR INLET SAMPLE ISOL	CONTMT	-13'	6	-10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
215	1134	08B	1-SS-HCV-101D	SS/HOT LEG B SAMPLE ISOL	CONTMT	-3.5'	B CUB	12'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
216	1142	08B	1-SS-HCV-102A	SS/COLD LEG A SAMPLE ISOL	CONTMT	-3.5'	A CUB	-3.5'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R3 DB,DPM
217	1147	08B	1-SS-TV-102A	SS/COLD LEG SAMPLE INNER CONTMT ISOL	CONTMT	14.5'	ANN., 08.5	15'	N	DOC	CRS	Y	N/A	N/A	Y	Y	DB,DPM
218	1148	08B	1-SS-TV-102B	SS/COLD LEG SAMPLE OUTER CONTMT ISOL	AUX	2'	J/7.3"	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	SEZ,TWH
219	4257	08B	1-SS-TV-103A	SS/RHR SAMPLE CONTMT ISOL	CONTMT	14.5'	ANN.,08.5	15'	N	DOC	CRS	Y	N/A	N/A	Y	Y	DB,DPM
220	4258	08B	1-SS-TV-103B	SS/RHR SAMPLE CONTMT ISOL	AUX	2'	J/7.3	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	SEZ,TWH
221	1135	08B	1-SS-TV-106A	SS/HOT LEG SAMPLE INNER CONTMT ISOL	CONTMT	14.5'	ANN., 08.5	15'	N	DOC	CRS	Y	N/A	N/A	Y	Y	DB,DPM
222	1136	08B	1-SS-TV-106B	SS/HOT LEG SAMPLE OUTER CONTMT ISOL	AUX	2'	J/7.3	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	SEZ,TWH
223	5188	09	1-VS-F-58A	VS/FILTER FL-3A EXHAUST FAN	AUX	45.8'	J/10	45.8'	Y	ABS	CRS	Y	Y	Y	Y	Y	SEZ,TWH
224	5189	09	1-VS-F-58B	VS/FILTER FL-3B EXHAUST FAN	AUX	45.8'	J/10	45.8'	Y	ABS	CRS	Y	Y	Y	Y	Y	SEZ,TWH

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
225	5160	10	1-VS-AC-1	VS/CONTROL RM UNIT 1 AC	SERVICE	27'	D/8	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
226	5161	10	1-VS-AC-2	VS/CONTROL RM UNIT 1 AC	SERVICE	27'	D/8	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
227	5162	10	1-VS-AC-6	VS/RELAY RM UNIT 1 AC	SERVICE	9.5'	D/8	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
228	5163	10	1-VS-AC-7	VS/RELAY RM UNIT 1 AC	SERVICE	9.5'	D/8	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R6	DB,WHT
229	5192	10	1-VS-FL-3A	VS/FILTER ASSEMBLY	AUX	45.8'	J/9	45.8'	Y	DOC	CRS	Y	N/A	Y	Y	Y	15	SEZ,TW11,3
230	5193	10	1-VS-FL-3B	VS/FILTER ASSEMBLY	AUX	45.8'	J/9	45.8'	Y	DOC	CRS	Y	N/A	Y	Y	Y	15	SEZ,TW11,3
231	5171	10	2-VS-AC-6	VS/RELAY RM UNIT 2 AC	SERVICE	9.5'	D/8	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
232	5170	10	2-VS-AC-7	VS/RELAY RM UNIT 2 AC	SERVICE	9.5'	D/8	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
233	5168	10	2-VS-AC-8	VS/CONTROL RM UNIT 2 AC	SERVICE	27'	E/9	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
234	5169	10	2-VS-AC-9	VS/CONTROL RM UNIT 2 AC	SERVICE	27'	E/9	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
235	3094	11	1-CS-MR-1A	CS/RW REFRIGERATION UNIT	YARD	27'	NOTE 1CCC	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TW11,3
236	3095	11	1-CS-MR-1B	CS/RW REFRIGERATION UNIT	YARD	27'	NOTE 1DDD	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TW11,3
237	5152	11	1-VS-E-4A	VS/CHILLER	SERVICE	9.5'	MECH EQUIP #3	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
238	5155	11	1-VS-E-4B	VS/CHILLER	SERVICE	9.5'	MECH EQUIP #3	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S\$eval\_type and 'A\$ssel\_note and (not 'Y\$rule\_of\_bx)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Flr.	Elv.	Rm/Row/Col.											
239	5158	11	1-VS-E-4C	VS/CHILLER	SERVICE	9.5'		MECH EQUIP #3	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
240	6206	11	1-VS-E-4D	CNTRL RM/EMERG. SWITCHGEAR RM HVAC SYS. CHILLER	TURB	9.6'		MER5	9.6'	Y	DOC	CRS	Y	N/A	Y	Y	Y	16	DB,SEZ
241	6207	11	1-VS-E-4E	CNTRL RM/EMERG. SWITCHGEAR RM HVAC SYS. CHILLER	TURB	9.6'		MER5	9.6'	Y	DOC	CRS	Y	N/A	Y	Y	Y	16	DB,SEZ
242	6106	14	1-EP-CS-101	MANUAL TRANSFER SWITCH	TURB			MER5	9'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	5	CGR,KNM
243	6038	14	1-EP-DB-1-I	EE/120V VITAL AC I-I BUS (RED)	SERVICE	27'		COMPUTER	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
244	6039	14	1-EP-DB-1-IA	EE/120V VITAL AC I-IA BUS (RED)	SERVICE	9.5'		EMER SWGR	14.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
245	6040	14	1-EP-DB-1-II	EE/120V VITAL AC I-II BUS (WHITE)	SERVICE	27'		CR	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
246	6041	14	1-EP-DB-1-IIA	EE/120V VITAL AC I-IIA BUS (WHITE)	SERVICE	9.5'		EMER SWGR	14.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
247	6042	14	1-EP-DB-1-III	EE/120V VITAL AC I-III BUS (BLUE)	SERVICE	27'		COMPUTER	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
248	6043	14	1-EP-DB-1-IIIA	EE/120V VITAL AC I-IIIA BUS (BLUE)	SERVICE	9.5'		EMER SWGR	14.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
249	6044	14	1-EP-DB-1-IV	EE/120V VITAL AC I-IV BUS (YELLOW)	SERVICE	27'		CR	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
250	6045	14	1-EP-DB-1-IVA	EE/120V VITAL AC I-IVA BUS (YELLOW)	SERVICE	9.5'		EMER SWGR	14.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
251	6027	14	1-EP-DB-1SVB1	EE/120V SEMI-VITAL AC BUS	SERVICE	27'		CR	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
252	6032	14	1-EPD-DCS-1A	EE/125V VITAL DC BUS 1A	SERVICE	9.5'		EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.											
253	6034	14	1-EPD-DCS-1A-SUB	EE/125V VITAL DC SUB PNL 1A	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
254	6033	14	1-EPD-DCS-1B	EE/125V VITAL DC BUS 1B	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
255	6035	14	1-EPD-DCS-1B-SUB	EE/125V VITAL DC SUB PNL 1B	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
256	5264	14	1-EPD-LP-1EAB1	LT*/EMERGENCY LIGHTING PANEL 1EAB1	AUX	27.5'	H/9	32'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
257	5262	14	1-EPD-LP-1EC1	LT*/EMERGENCY LIGHTING PANEL 1EC1	SERVICE	27'	CR	32'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
258	5266	14	1-EPD-LP-1ET1	LT*/EMERGENCY LIGHTING PANEL 1ET1	TURB	58.5'	C/5	62'	N	ABS	CRS	Y	Y	Y	Y	Y	1	DB,DPM
259	5265	14	2-EPD-LP-2EAB1	LT*/EMERGENCY LIGHTING PANEL 2EAB1	AUX	27.5'	H/9	32'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
260	5263	14	2-EPD-LP-2EC1	LT*/EMERGENCY LIGHTING PANEL 2EC1	SERVICE	27'	CR	31'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
261	5267	14	2-EPD-LP-2ET1	LT*/EMERGENCY LIGHTING PANEL 2ET1	TURB	58.5'	C/13	62'	N	ABS	CRS	Y	Y	Y	Y	Y	1	DB,DPM
262	6046	15	1-EE-B-EG1	AP/EDG #1 BATTERIES AND RACKS	SERVICE	27'	EDG #1	27'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R7	CGR,KNM
263	6036	15	1-EPD-B-1A	EE/125V BATTERY 1A	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
264	6037	15	1-EPD-B-1B	EE/125V BATTERY 1B	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
265	5088D	15	1-SW-B-1A ✓	SW/EMER SW PUMP BATTERY	ESW PUMP	12'	ESW PUMP	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	13, O/R41	CGR,KNM
266	5088E	15	1-SW-B-1B ✓	SW/EMER SW PUMP BATTERY	ESW PUMP	12'	ESW PUMP	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	13, O/R41	CGR,KNM

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.									
267	5088F	15	1-SW-B-1C	SW/EMER SW PUMP BATTERY	ESW PUMP	12'	ESW PUMP	12'	Y	ABS	CRS	Y	Y	Y	Y	13, O/R41	CGR,KNM
268	6047	15	3-EE-B-EG3	AP/EDG #3 BATTERIES AND RACKS	SERVICE	27'	EDG #3	27'	Y	DOC	CRS	Y	N/A	Y	Y	O/R7	CGR,KNM
269	6028	16	1-EP-UPS-1A-1	EE/UPS 1A1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	19	TWH,SEZ,I
270	6029	16	1-EP-UPS-1A-2	EE/UPS 1A2	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	19	TWH,SEZ,I
271	6030	16	1-EP-UPS-1B-1	EE/UPS 1B1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	19	TWH,SEZ,I
272	6031	16	1-EP-UPS-1B-2	EE/UPS 1B2	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	19	TWH,SEZ,I
273	6001	17	1-EE-EG-1	AP/EMERGENCY DIESEL GENERATOR 1	SERVICE	27'	EDG #1	27'	Y	ABS	CRS	Y	Y	Y	Y		WHT,TWH,I
274	5086	17	1-SW-PENG-1A	SW/EMER SW PUMP DIESEL	ESW PUMP	20'	NOTE 1BBB	20'	Y	ABS	CRS	Y	Y	Y	Y		CGR,KNM
275	5087	17	1-SW-PENG-1B	SW/EMER SW PUMP DIESEL	ESW PUMP	20'	NOTE 1D	20'	Y	ABS	CRS	Y	Y	Y	Y		CGR,KNM
276	5088	17	1-SW-PENG-1C	SW/EMER SW PUMP DIESEL	ESW PUMP	20'	NOTE 1E	20'	Y	ABS	CRS	Y	Y	Y	Y		CGR,KNM
277	6002	17	3-EE-EG-1	AP/EMERGENCY DIESEL GENERATOR 3	SERVICE	27'	EDG #3	27'	Y	ABS	CRS	Y	Y	Y	Y		WHT,TWH,I
278	5053A	18	1-CC-FT-110A	CC/RHR HX OUTLET FLOW	AUX	2'	K/7.3	2'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,I
279	5053B	18	1-CC-FT-110B	CC/RHR HX OUTLET FLOW	AUX	2'	K/7.3	2'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,I
280	5001A	18	1-CC-LT-100	CC/CCW SURGE TANK LEVEL	AUX	27.5'	E/9	30'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,I

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.											
281	5076A	18	I-CC-PS-102	CC/CHARGING PUMP CC PRESSURE SWITCH	AUX	2'	J/8.1	8'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,1	
282	5076B	18	I-CC-PS-103	CC/CHARGING PUMP CC PRESSURE SWITCH	AUX	2'	J/8.1	8'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,1	
283	5003A	18	I-CC-PT-100	CC/CCW PUMP OUTLET PRESSURE	AUX	27'	F/8.5	30'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH	
284	1026	18	I-CH-FT-1110	CH/EMERGENCY BORATION FLOW XMTR	AUX	13'	G/8.5	13'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH,3	
285	1029	18	I-CH-FT-1113	CH/BORIC ACID FLOW	AUX	13'	G/8.5	13'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH,3	
286	1083	18	I-CH-FT-1124	CH/SEAL INJECTION FLOW	AUX	2'	H/7.3	2'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH	
287	1085	18	I-CH-FT-1127	CH/SEAL INJECTION FLOW	AUX	2'	H/7.3	2'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH	
288	1087	18	I-CH-FT-1130	CH/SEAL INJECTION FLOW	AUX	2'	H/7.37	2'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH	
289	3085	18	I-CH-LT-1112	CH/VCT LEVEL	AUX	27.5'	J/9	27'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH	
290	3087	18	I-CH-LT-1115	CH/VCT LEVEL	AUX	27.5'	J/9	27'	Y	ABS	CRS	Y	Y	Y	Y	17	SEZ,TWH	
291	4149	18	I-CN-LT-100	CN/ECST LEVEL TRANSMITTER	YARD	27'	NOTE IMM	27'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH	
292	4151	18	I-CN-LT-101	CN/ECST LEVEL TRANSMITTER	YARD	27'	NOTE INN	27'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH	
293	4154	18	I-CN-LT-110	CN/MAKE-UP TANK LEVEL TRANSMITTER	YARD	27'	NOTE IQQ	41'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,3	
294	3099	18	I-CS-LT-100A	CS/RWST LEVEL	YARD	27'	NOTE 1A	30'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH,3	

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr.	Elv.											
295	3101	18	1-CS-LT-100B	CS/RWST LEVEL	YARD	27'	NOTE 1B	30'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TW11,3
296	4192	18	1-FW-FT-100A	FW/AFW FLOW TRANSMITTER SG A	CONTMT	18'	ANN., 09.2	21'-6"	N	DOC	CRS	Y	N/A	Y	Y	Y	19	TWH,SEZ,1
297	4193	18	1-FW-FT-100B	FW/AFW FLOW TRANSMITTER SG B	CONTMT	18'	ANN., 09.3	21'-6"	N	DOC	CRS	Y	N/A	Y	Y	Y	19	TWH,SEZ,1
298	4194	18	1-FW-FT-100C	FW/AFW FLOW TRANSMITTER SG C	CONTMT	18'	ANN., 09.2	21'-6"	N	DOC	CRS	Y	N/A	Y	Y	Y	19	TWH,SEZ,1
299	4202	18	1-FW-LT-1474	FW/NR LEVEL SG A	CONTMT	21'	ANN., 03	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
300	4200	18	1-FW-LT-1475	FW/NR LEVEL SG A	CONTMT	21'	ANN., 01.2	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
301	4198	18	1-FW-LT-1476	FW/NR LEVEL SG A	CONTMT	21'	ANN., 01.6	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
302	4204	18	1-FW-LT-1477	FW/WR LEVEL SG A	CONTMT	0'	ANN., 02	--	N/A	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
303	4211	18	1-FW-LT-1484	FW/NR LEVEL SG B	CONTMT	21'	ANN., 13.8	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
304	4209	18	1-FW-LT-1485	FW/NR LEVEL SG B	CONTMT	21'	ANN., 14.2	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
305	4207	18	1-FW-LT-1486	FW/NR LEVEL SG B	CONTMT	21'	ANN., 13.2	21'	N	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
306	4213	18	1-FW-LT-1487	FW/WR LEVEL SG B	CONTMT	0'	ANN., 13	0'	Y	ABS	CRS	Y	Y	Y	Y	Y	6	CGR,KNM
307	4220	18	1-FW-LT-1494	FW/NR LEVEL SG C	CONTMT	15'	ANN., 08.2	18'	N	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
308	4218	18	1-FW-LT-1495	FW/NR LEVEL SG C	CONTMT	15'	ANN., 08.5	18'	N	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs		
					Bldg	Flr.	Elv.											Rm/Row/Col.	Elev.
309	4216	18	I-FW-LT-1496	FW/NR LEVEL SG C	CONTMT	15'	ANN.,	07.7	18'	N	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM	
310	4222	18	I-FW-LT-1497	FW/WR LEVEL SG C	CONTMT	-3'	ANN.,	07	-5'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM	
311	4142	18	I-FW-PS-152	FW/PRESSURE SWITCH	MSVH	27'	GB/5.8		27'	Y	ABS	CRS	Y	Y	Y	Y	Y	TWH,SEZ,3	
312	2027A	18	I-IA-PS-103A	IA/PORV BACKUP AIR PRESSURE	CONTMT	53'	PRESS.	09	53'	N	DOC	CRS	Y	Y	Y	Y	Y	20	TWH,SEZ
313	2021A	18	I-IA-PS-103B	IA/PORV BACKUP AIR PRESSURE	CONTMT	53'	PRESS.	09	53'	N	DOC	CRS	Y	Y	Y	Y	Y	20	TWH,SEZ
314	2030	18	I-IA-PS-104A	IA/PORV BACKUP AIR BOTTLE PRESSURE	CONTMT	53'	PRESS.	09	53'	N	DOC	CRS	Y	Y	Y	Y	Y	20	TWH,SEZ
315	2024	18	I-IA-PS-104B	IA/PORV BACKUP AIR BOTTLE PRESSURE	CONTMT	53'	PRESS.	09	53'	N	DOC	CRS	Y	Y	Y	Y	Y	20	TWH,SEZ
316	4132	18	I-MS-FT-100	MS/FLOW TRANSMITTER	CSPH	27'	GA/5.6		27'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,SEZ	
317	4009	18	I-MS-PT-101A	MS/PRESSURE TRANSMITTER	MSVH	38'	NOTE 1P		12'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,TWH	
318	4028	18	I-MS-PT-101B	MS/PRESSURE TRANSMITTER	MSVH	12'	NOTE 1W		12'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,TWH	
319	4047	18	I-MS-PT-101C	MS/PRESSURE TRANSMITTER	MSVH	12'	NOTE 1EE		12'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,TWH	
320	4007	18	I-MS-PT-1474	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1N		17'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,SEZ	
321	4011	18	I-MS-PT-1475	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1Q		17'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,SEZ	
322	4030	18	I-MS-PT-1484	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1X		17'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,SEZ	



Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

**Filter Criteria:** 'S'\$eval\_type and 'A'\$sscl\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
323	4032	18	1-MS-PT-1485	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1Y	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
324	4049	18	1-MS-PT-1494	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1FF	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
325	4051	18	1-MS-PT-1496	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 1GG	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
326	3032	18	1-RC-LI-1310	RC/RVLIS A HOT LEG ISOLATOR/INDICATOR	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
327	3031	18	1-RC-LI-1311	RC/RVLIS A RV HEAD ISOLATOR/INDICATOR	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
328	3033	18	1-RC-LI-1312	RC/RVLIS A SEAL TABLE ISOLATOR/INDICATOR	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
329	3048	18	1-RC-LI-1320	RC/RVLIS B HOT LEG ISOLATOR/INDICATOR	AUX	2'	K/7.4	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
330	3047	18	1-RC-LI-1321	RC/RVLIS B RV HEAD ISOLATOR/INDICATOR	AUX	2'	K/7.4	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
331	3049	18	1-RC-LI-1322	RC/RVLIS B SEAL TABLE ISOLATOR/INDICATOR	AUX	2'	K/7.4	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
332	3038	18	1-RC-LT-1310	RC/RVLIS A PLENUM LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH
333	3034	18	1-RC-LT-1311	RC/RVLIS A N-RANGE LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH
334	3036	18	1-RC-LT-1312	RC/RVLIS A W-RANGE LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH
335	3054	18	1-RC-LT-1320	RC/RVLIS B PLENUM LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH
336	3050	18	1-RC-LT-1321	RC/RVLIS B N-RANGE LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
337	3052	18	I-RC-LT-1322	RC/RVLIS B W-RANGE LEVEL	AUX	13'	L/10.5	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	SEZ,TWH
338	3012	18	I-RC-LT-1459A	RC/PRZR LEVEL	CONTMT	18'	ANN., 09.9	22'	N	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
339	3014	18	I-RC-LT-1460	RC/PRZR LEVEL	CONTMT	18'	ANN., 09.7	22'	N	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
340	3016	18	I-RC-LT-1461	RC/PRZR LEVEL	CONTMT	18'	ANN., 09.3	22'	N	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
341	3017A	18	I-RC-LT-1462	RC/PRZR LEVEL	CONTMT	-3.5'	ANN.	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
342	2001	18	I-RC-PT-1402	RC/REACTOR COOLANT PRESSURE	CONTMT	-4'	ANN., 09.2	-4'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ,3
343	2003	18	I-RC-PT-1403	RC/REACTOR COOLANT PRESSURE	CONTMT	-4'	ANN., 09	-4'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ,3
344	2011	18	I-RC-PT-1455	RC/PRZR PRESSURE	CONTMT	-3.5'	ANN., 10	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
345	2013	18	I-RC-PT-1456	RC/PRZR PRESSURE	CONTMT	-3.5'	ANN., 09.9	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
346	2015	18	I-RC-PT-1457	RC/PRZR PRESSURE	CONTMT	-3.5'	ANN., 09	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
347	2017	18	I-RC-PT-1458B	RC/PRZR PRESSURE	CONTMT	-3.5'	09	-1'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
348	2032	18	I-RC-PT-1472	RC/PRT PRESSURE	CONTMT	18'	ANN., 10	18'	N	DOC	CRS	Y	Y	Y	Y	Y		TWH,SEZ,3
349	4240	18	I-RH-FT-1605	RH/HX OUTLET FLOW	CONTMT	-27.6'	BASE, 07	-27'-6"	Y	BS	CRS	Y	Y	Y	Y	Y		CGR,KNM
350	5135	18	I-SW-PIC-100A	SW/CR & RR AC CHILLER PRESSURE SERVICE	10'		MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
351	5136	18	1-SW-PIC-100B	SW/CR & RR AC CHILLER PRESSURE SERVICE		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
352	5137	18	1-SW-PIC-100C	SW/CR & RR AC CHILLER PRESSURE SERVICE		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
353	5114A	18	1-SW-PS-1	SW/CHARGING PUMP SW PRESSURE SERVICE SWITCH		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
354	5114D	18	1-SW-PS-10	SW/CHARGING PUMP SW PRESSURE SERVICE SWITCH		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
355	5114B	18	1-SW-PS-2	SW/CHARGING PUMP SW PRESSURE SERVICE SWITCH		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
356	5114C	18	1-SW-PS-9	SW/CHARGING PUMP SW PRESSURE SERVICE SWITCH		10'	MECH EQUIP #3	10'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
357	5053E	19	1-CC-RTD-109A	CC/RHR HX OUTLET TEMP	AUX	2'	K/7.3	6'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
358	5053F	19	1-CC-RTD-109B	CC/RHR HX OUTLET TEMP	AUX	2'	K/7.3	6'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
359	3072	19	1-CH-TE-1143	DEMIN. DIVERT FLOW	AUX	2'	K/8	16'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,TWH
360	3070	19	1-CH-TE-1144	CH/NON-REGEN HX OUTLET TEMP	AUX	2'	K/8	16'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,TWH
361	1003	19	1-CH-TIC-1107	CH/BAST A TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
362	1013	19	1-CH-TIC-1109	CH/BAST B TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
363	1004	19	1-CH-TIC-1162	CH/BAST A TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
364	1014	19	1-CH-TIC-1164	CH/BAST B TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.	Elev.										
365	3103	19	1-CS-RTD-100A	CS/RWST TEMPERATURE	YARD	27'	NOTE 1C	27'	Y	ABS	AGS	Y	Y	N/A	Y	Y		SEZ,TWH
366	3105	19	1-CS-RTD-100B	CS/RWST TEMPERATURE	YARD	27'	NOTE 1C	27'	Y	ABS	AGS	Y	Y	N/A	Y	Y		SEZ,TWH
367	3024	19	1-RC-TE-1313	RC/RVLIS TRAIN A RTD T1	CONTMT	47'			Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
368	3025	19	1-RC-TE-1314	RC/RVLIS TRAIN A RTD T2	CONTMT	47'			Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
369	3026	19	1-RC-TE-1315	RC/RVLIS TRAIN A RTD T3	CONTMT	47'			Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
370	3027	19	1-RC-TE-1316	RC/RVLIS TRAIN A RTD T4	CONTMT	47'		05.5	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
371	3028	19	1-RC-TE-1317	RC/RVLIS TRAIN A RTD T5	CONTMT	47'		08	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
372	3029	19	1-RC-TE-1318	RC/RVLIS TRAIN A RTD T6	CONTMT	47'		08	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
373	3030	19	1-RC-TE-1319	RC/RVLIS TRAIN A RTD T7	CONTMT	47'		04-05	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
374	3040	19	1-RC-TE-1323	RC/RVLIS TRAIN B RTD T1	CONTMT	47'		05	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
375	3041	19	1-RC-TE-1324	RC/RVLIS TRAIN B RTD T2	CONTMT	47'		05	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
376	3042	19	1-RC-TE-1325	RC/RVLIS TRAIN B RTD T3	CONTMT	47'		ANN., 05	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
377	3043	19	1-RC-TE-1326	RC/RVLIS TRAIN B RTD T4	CONTMT	47'		08	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
378	3044	19	1-RC-TE-1327	RC/RVLIS TRAIN B RTD T5	CONTMT	47'		08	Y	DOC	CRS	Y	Y	N/A	Y	Y		TWH,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'Seval\_type and 'A'Sssel\_note and (not 'Y'Srule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col. Elev.										
379	3045	19	I-RC-TE-1328	RC/RVLIS TRAIN B RTD T6	CONTMT	47'	08		Y	DOC	CRS	Y	Y	N/A	Y	Y	TWII,SEZ
380	3046	19	I-RC-TE-1329	RC/RVLIS TRAIN B RTD T7	CONTMT	47'	04		Y	DOC	CRS	Y	Y	N/A	Y	Y	TWII,SEZ
381	4247	19	I-RC-TE-1410	RC/COLD LEG A TEMP	CONTMT	-3.5'	A CUB, 01	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
382	4246	19	I-RC-TE-1413	RC/HOT LEG A TEMP	CONTMT	-3.5'	A CUB, 02	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
383	4251	19	I-RC-TE-1420	RC/COLD LEG B TEMP	CONTMT	-3.5'	B CUB, 12-13	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
384	4250	19	I-RC-TE-1423	RC/HOT LEG B TEMP	CONTMT	-3.5'	B CUB, 14	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
385	4255	19	I-RC-TE-1430	RC/COLD LEG C TEMP	CONTMT	-3.5'	C CUB, 07	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
386	4254	19	I-RC-TE-1433	RC/HOT LEG C TEMP	CONTMT	-3.5'	C CUB, 08	11'	Y	DOC/ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
387	4232	19	I-RH-RTD-1604	RH/RHR PUMPS DISCHARGE TEMP	CONTMT	-13'	RHR FLAT, 04	-2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
388	4241	19	I-RH-RTD-1606	RH/HX OUTLET TEMP	CONTMT	-25'	8	-5'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
389	6003	20	I-AP-CC-35-1 ✓	AP/EDG 1 CONTROL PANEL	SERVICE	27'	EDG #1	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R11, O/R37 TWII,SEZ
390	5511	20	I-CLS-A*	/CONSEQUENCE LIMITING SAFEGUARDS CABINET	AUX	9.5'	--	9'-6"	Y	ABS	CRS	Y	N	Y	Y	Y	O/R9 CGR,KNM
391	5512	20	I-CLS-B*	/CONSEQUENCE LIMITING SAFEGUARDS CABINET	AUX	9.5'	--	9'-6"	Y	ABS	CRS	Y	N	Y	Y	Y	O/R9 CGR,KNM
392	5503	20	I-CW-PNL-1A	CW/CIRC. WATER PANEL	AUX	9.5'	CABLE VAULT	12'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R20 CGR,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
393	5504	20	1-CW-PNL-1B	CW/CIRC. WATER PANEL	AUX	9.5'	CABLE VAULT	12'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
394	6003A	20	1-DIP-DGRI1*	AP/DIESEL ISOLATION PANEL	SERVICE	27'	EDG #1	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
395	6003B	20	1-DIP-ESRH*	AP/DIESEL ISOLATION PANEL	SERVICE	9'	ESGR	9'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
396	5505	20	1-EE-MRR-1*	EE/AUXILIARY RELAY RACK	AUX	9.5'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R4	DB,DPM
397	5506	20	1-EE-MRR-2*	EE/AUXILIARY RELAY RACK	AUX	9.5'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R4	DB,DPM
398	6022	20	1-EE-SW-1*	EE/AUTO TRANSFER SWITCH EDG3-ABT	SERVICE	9.5'	EMER SWGR	14.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
399	5507	20	1-EE-URP-1H*	EE/UNDERVOLTAGE RELAY PANEL	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R4	DB,DPM
400	5508	20	1-EE-URP-1J*	EE/UNDERVOLTAGE RELAY PANEL	SERVICE	9'		9'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R17	CGR,KNM
401	6004A	20	1-EG3-1*	AP/DIESEL PANEL	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
402	6004B	20	1-EG3-2*	AP/DIESEL PANEL	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
403	5509	20	1-ESC-A*	/ENGINEERED SAFEGUARDS CABINET	AUX	9.5'	--	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9	CGR,KNM
404	5510	20	1-ESC-B*	/ENGINEERED SAFEGUARDS CABINET	AUX	9.5'	--	9'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9	CGR,KNM
405	5256	20	1-HT-HTP-2A1	HT/HEAT TRACING PANEL	AUX	27'	J/9	27'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
406	5257	20	1-HT-HTP-2A2	HT/HEAT TRACING PANEL	AUX	48'	J/11	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
407	5258	20	I-HT-HTP-2A3	HT/HEAT TRACING PANEL	AUX	27'	K/8	27'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
408	5259	20	I-HT-HTP-2B1	HT/HEAT TRACING PANEL	AUX	27'	J/11	27'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
409	5260	20	I-HT-HTP-2B2	HT/HEAT TRACING PANEL	AUX	48'	J/11	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
410	5261	20	I-HT-HTP-2B3	HT/HEAT TRACING PANEL	AUX	27'	K/11	27'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
411	5514	20	I-RMT-1A	/RECIRCULATION MODE TRANSFER CABINETS	SERVICE	9'		9'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	TWH,SEZ
412	5515	20	I-RMT-1B	/RECIRCULATION MODE TRANSFER CABINETS	SERVICE	9'		9'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	TWH,SEZ
413	5088G	20	I-SW-CAB-3A	SW/EMER SW PUMP RELAY CABINET	ESW PUMP	18'	ESW PUMP	18'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
414	5088H	20	I-SW-CAB-3B	SW/EMER SW PUMP RELAY CABINET	ESW PUMP	18'	ESW PUMP	18'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R30	CGR,KNM
415	5088I	20	I-SW-CAB-3C	SW/EMER SW PUMP RELAY CABINET	ESW PUMP	18'	ESW PUMP	18'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
416	5088A	20	I-SW-PNL-2A	SW/EMER SW PUMP CONTROL PANEL	ESW PUMP	18'	ESW PUMP	22'-9"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R8	CGR,KNM
417	5088B	20	I-SW-PNL-2B	SW/EMER SW PUMP CONTROL PANEL	ESW PUMP	18'	ESW PUMP	22'-9"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R8	CGR,KNM
418	5088C	20	I-SW-PNL-2C	SW/EMER SW PUMP CONTROL PANEL	ESW PUMP	18'	ESW PUMP	22'-9"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R8	CGR,KNM
419	6004	20	3-EE-PNL-35	AP/EDG 3 CONTROL PANEL	SERVICE	27'	EDG #3	27'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R32, O/R37	DB,DPM
420	9999C	20	BENCH BOARD I-1	BENCH BOARD I-1	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 1**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col. Elev.										
421	9999D	20	BENCH BOARD I-2	BENCH BOARD I-2	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ
422	9999A	20	VERTICAL BOARD I-1	VERTICAL BOARD I-1	SERVICE	27'	CR	27'	Y	DOC	CRS	Y	Y	Y	Y	9	CGR,KNM
423	9999B	20	VERTICAL BOARD I-2	VERTICAL BOARD I-2	SERVICE	27'	CR	27'	Y	DOC	CRS	Y	Y	Y	Y	9	CGR,KNM
424	5005	21	I-CC-E-1A	CC/CCW HX	TURB	20'	Z/8	20'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	WHT,TWH,2
425	5006	21	I-CC-E-1B	CC/CCW HX	TURB	20'	Z/8	20'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	WHT,TWH,2
426	5001	21	I-CC-TK-1	CC/COMPONENT COOLING SURGE TANK	AUX	27.5'	E/9	27.5'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R33 WHT,TWH,2
427	5004	21	I-CC-TK-2	CC/CCW CHEMICAL ADDITION TANK	AUX	27'	G/9.5	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	SEZ,TWH,2
428	5072	21	I-CC-TK-3	CC/CHARGING PUMP SEAL COOLING SURGE TANK	AUX	2'		13'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R24 SEZ,TWH,2
429	1127	21	I-CH-E-1	CH/SEAL WATER HX	AUX	2'	K/9	2'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,TWH
430	3069	21	I-CH-E-2	CH/NON-REGENERATIVE HEAT EXCHANGER	AUX	2'	K/9	2'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,TWH
431	3060	21	I-CH-E-3	CH/REGENERATIVE HEAT EXCHANGER	CONTMT	-3.5'	11.0	6.5'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,DPM
432	1001	21	I-CH-TK-1A	CH/BORIC ACID STORAGE TANK A (BAST)	AUX	27'	G/8.7	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	SEZ,TWH,2
433	1011	21	I-CH-TK-1B	CH/BORIC ACID STORAGE TANK B (BAST)	AUX	27'	G/9	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	SEZ,TWH,2
434	3084	21	I-CH-TK-2	CH/VOLUME CONTROL TANK (VCT)	AUX	27.5'	J/9	27.5'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,TWH



Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S\$eval\_type and 'A\$ssel\_note and (not 'Y\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Elev.										
435	5098	2I	I-CN-SC-1A	CN/CONDENSER	TURB	10'	Y/5	6'	Y	DOC	CRS	Y	N/A	Y	Y	Y		DB,SEZ
436	5099	2I	I-CN-SC-1B	CN/CONDENSER	TURB	10'	Y/6	6'	Y	DOC	CRS	Y	N/A	Y	Y	Y		DB,SEZ
437	4148	2I	I-CN-TK-1	CN/EMERGENCY CONDENSATE STORAGE TANK	YARD	27'	NOTE 1LL	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R28	WHT,TWH,2
438	4153	2I	I-CN-TK-3	CN/EMERGENCY CNDS MAKE-UP TANK	YARD	27'	NOTE 1PP	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R22	WHT,TWH,2
439	3096	2I	I-CS-TK-1	CS/REFUELING WATER STORAGE TANK (RWST)	YARD	27'	NOTE 1EEE	27'	N/A	N/A	N/A	Y	N/A	Y	Y	Y	O/R23	DB,WHT
440	5200	2I	I-EE-TK-2A	EE/UNDERGROUND FO STORAGE TANK	YARD	27'	NOTE 1G	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R22	WHT,TWH,2
441	5201	2I	I-EE-TK-2B	EE/UNDERGROUND FO STORAGE TANK	YARD	27'	NOTE 1G	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R22	WHT,TWH,2
442	5208	2I	I-EE-TK-3 ✓	EE/FUEL OIL DAY TANK	SERVICE	27'	EDG #1, CX/14	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R42	WHT,TWH,2
443	5210	2I	I-EE-TK-4 ✓	EE/FUEL OIL DAY TANK	SERVICE	27'	EDG #3, CX/16	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R42	WHT,TWH,2
444	5226	2I	I-EG-TK-1	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
445	5227	2I	I-EG-TK-2	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
446	5227A	2I	I-EG-TK-3	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
447	5227B	2I	I-EG-TK-4	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
448	5227C	2I	I-EG-TK-5	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir.	Elv.											
449	5227D	21	1-EG-TK-6	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #1	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
450	2029	21	1-IA-PORV-TK1*	IA/PORV BACKUP AIR BOTTLES (4)	CONTMT	53'	PRESS, 09	53'	N	N/A	N/A	Y	N/A	Y	Y	Y	10	CGR,KNM
451	2023	21	1-IA-PORV-TK2*	IA/PORV BACKUP AIR BOTTLES (4)	CONTMT	53'	PRESS, 09	53'	N	N/A	N/A	Y	N/A	Y	Y	Y	10	CGR,KNM
452	2031	21	1-RC-TK-2	RC/PRESSURIZER RELIEF TANK (PRT)	CONTMT	8'	PRESS, 11	8'	Y	N/A	N/A	Y	N/A	Y	Y	Y	11	CGR,KNM
453	4233	21	1-RH-E-1A	RH/RHR HX A	CONTMT	-13'	RHR FLAT, 5	13'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y		DB,DPM
454	4234	21	1-RH-E-1B	RH/RHR HX B	CONTMT	-13'	RHR FLAT	13'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y		DB,DPM
455	1153	21	1-SS-E-12	SS/COLD LEG COOLANT SAMPLE COOLER	AUX	27'	K/9	36'	Y	N/A	N/A	Y	N/A	Y	Y	Y		SEZ,TWH
456	1141	21	1-SS-E-4	SS/HOT LEG COOLANT SAMPLE COOLER	AUX	27'	K/9	36'	Y	N/A	N/A	Y	N/A	Y	Y	Y		SEZ,TWH
457	4268	21	1-SS-E-9	SS/RHR SAMPLE COOLER	AUX	27'	K/9	36'	Y	N/A	N/A	Y	N/A	Y	Y	Y		SEZ,TWH
458	5073	21	1-SW-E-1A	SW/CHARGING PUMP INTERMEDIATE SEAL COOLER	AUX	2'	J/8.75	7'	Y	N/A	N/A	Y	N/A	N/A	Y	Y		SEZ,TWH
459	5074	21	1-SW-E-1B	SW/CHARGING PUMP INTERMEDIATE SEAL COOLER	AUX	2'	J/8.75	7'	Y	N/A	N/A	Y	N/A	N/A	Y	Y		SEZ,TWH
460	5093	21	1-SW-TK-1	SW/DIESEL FUEL OIL TANK	ESW	20'	NOTE 1F PUMP	20'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y		DB,WHIT
461	5150	21	1-VS-TK-100A	VS/CHILLED WATER EXPANSION TANK	SERVICE	9.5'	MECH EQUIP #3	9'-6"	Y	N/A	N/A	Y	N/A	Y	Y	Y		CGR,KNM
462	5209	21	2-EE-TK-3 ✓	EE/FUEL OIL DAY TANK	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R42	WHIT,TWH,2

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 1

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr. Elv.	Rm/Row/Col. Elev.										
463	5228	21	2-EG-TK-1	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
464	5229	21	2-EG-TK-2	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
465	5229A	21	2-EG-TK-3	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
466	5229B	21	2-EG-TK-4	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
467	5229C	21	2-EG-TK-5	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
468	5229D	21	2-EG-TK-6	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #2	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
469	5230	21	3-EG-TK-1	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
470	5231	21	3-EG-TK-2	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
471	5231A	21	3-EG-TK-3	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
472	5231B	21	3-EG-TK-4	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
473	5231C	21	3-EG-TK-5	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM
474	5231D	21	3-EG-TK-6	EG/AIR COMPRESSOR AIR RECEIVER	SERVICE	27'	EDG #3	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	CGR,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.	Elev.										
1	4067	0	2-MS-GV-1	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 2BB	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
2	4068	0	2-MS-GV-2	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 2BB	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
3	4069	0	2-MS-GV-3	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 2BB	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
4	4070	0	2-MS-GV-4	MS/TURB. GOVERNOR VALVE	TURB	61'	NOTE 2BB	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
5	4063	0	2-MS-TV-1	MS/TURB. STOP TRIP VALVE	TURB	59'	Y/11	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
6	4064	0	2-MS-TV-2	MS/TURB. STOP TRIP VALVE	TURB	59'	X/11	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
7	4065	0	2-MS-TV-3	MS/TURB. STOP TRIP VALVE	TURB	59'	Y/12	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
8	4066	0	2-MS-TV-4	MS/TURB. STOP TRIP VALVE	TURB	59'	X/12	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	I, O/R19	DB, TWH
9	3032	0	2-RC-LI-2310	RC/RVLIS A HOT LEG ISOLATOR/INDICATOR	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM
10	3031	0	2-RC-LI-2311	RC/RVLIS A RV HEAD ISOLATOR/INDICATOR	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM
11	3033	0	2-RC-LI-2312	RC/RVLIS A SEAL TABLE ISOLATOR/INDICATOR	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM
12	3048	0	2-RC-LI-2320	RC/RVLIS B HOT LEG ISOLATOR/INDICATOR	AUX	2'	NOTE 2G	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM
13	3047	0	2-RC-LI-2321	RC/RVLIS B RV HEAD ISOLATOR/INDICATOR	AUX	2'	NOTE 2G	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM
14	3049	0	2-RC-LI-2322	RC/RVLIS B SEAL TABLE ISOLATOR/INDICATOR	AUX	2'	NOTE 2G	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R18	TWH,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr. Elev.	Rm/Row/Col.	Base Elev.										
15	5179	0	2-VS-MOD-201A	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
16	5180	0	2-VS-MOD-201B	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
17	5181	0	2-VS-MOD-201C	VS/CHARGING PUMP CUB EXH DMPR	AUX	2'	CP CUB	16'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	SEZ,TWH
18	6015	01	2-EP-MCC-2H1-1	EE/EMERGENCY MCC 2H1-1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R13	SEZ,TWH
19	6017	01	2-EP-MCC-2H1-1A	EE/EMERGENCY MCC 2H1-1A	SERVICE	27'	EDG #2	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R13	SEZ,TWH
20	6016	01	2-EP-MCC-2H1-2N ✓	EE/EMERGENCY MCC 2H1-2N	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R38	SEZ,TWH,3
21	6016A	01	2-EP-MCC-2H1-2S ✓	EE/EMERGENCY MCC 2H1-2S	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	N	N	O/R38	SEZ,TWH,3
22	6018	01	2-EP-MCC-2J1-1	EE/EMERGENCY MCC 2J1-1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R13	SEZ,TWH
23	6019	01	2-EP-MCC-2J1-2E ✓	EE/EMERGENCY MCC 2J1-2E	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	N	N	O/R38	SEZ,TWH,3
24	6019A	01	2-EP-MCC-2J1-2W ✓	EE/EMERGENCY MCC 2J1-2W	AUX	15'	CABLE VAULT	15'	Y	ABS	CRS	Y	Y	Y	N	N	O/R38	SEZ,TWH,3
25	6116	01	2-EP-MCC-2K1	CHILLER 4B MCC	SERVICE	9.5'	ESGR	9.5'	Y	DOC	CRS	Y	N/A	Y	Y	Y	4	DB,TWH
26	6112	02	2-EP-BKR-150	ISOL. BREAKER (GREEN)	SERVICE	9.5'	ESGR	9.5'	Y	DOC	CRS	Y	Y	Y	Y	Y		SEZ,TWH
27	6113	02	2-EP-BKR-151	ISOL. BREAKER (GREEN)	SERVICE	9.5'	ESGR	9.5'	Y	DOC	CRS	Y	Y	Y	Y	Y		SEZ,TWH
28	6111	02	2-EP-BKR-152	ISOL. BREAKER (GREEN)	SERVICE	9.5'	ESGR	9.5'	Y	DOC	CRS	Y	Y	Y	Y	Y		SEZ,TWH

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Flr.	Elv.											
29	6011	02	2-EP-LCC-2H	EE/480V EMERGENCY BUS 2H	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
30	6012	02	2-EP-LCC-2H-1	EE/480V EMERGENCY BUS 2H1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
31	6013	02	2-EP-LCC-2J	EE/480V EMERGENCY BUS 2J	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R2	DB,DPM
32	6014	02	2-EP-LCC-2J-1	EE/480V EMERGENCY BUS 2J1	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
33	1149	02	2-RP-BKR-52-BYA	RP/REACTOR TRIP BREAKER A	SERVICE	54'	CABLE SPREAD	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
34	1150	02	2-RP-BKR-52-BYB	RP/REACTOR TRIP BREAKER B	SERVICE	54'	CABLE SPREAD	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
35	9998A	02	2-RP-BKR-52-RTA	RP/REACTOR TRIP BY-PASS BREAKER A	SERVICE	54'	CABLE SPREAD	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
36	9998B	02	2-RP-BKR-52-RTB	RP/REACTOR TRIP BY-PASS BREAKER B	SERVICE	54'	CABLE SPREAD	45'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R26	DB,DPM
37	6005	03	2-EE-STUB-2H*	EE/4KV EMERGENCY STUB BUS 2H	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R14	SEZ,TW11,3
38	6006	03	2-EE-STUB-2J*	EE/4KV EMERGENCY STUB BUS 2J	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R14	SEZ,TW11,3
39	7137	03	2-EP-SW-2H	EP/4160V EMERG BUS 2H	SERVICE	10'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R14	SEZ,TW11,3
40	7138	03	2-EP-SW-2J	EP/4160V EMERG BUS 2J	SERVICE	10'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R14	SEZ,TW11,3
41	6007	04	2-EP-TRAN-2H ✓	EE/4160-480 SERVICE TRANSFORMER 2H	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R34	DB,DPM
42	6008	04	2-EP-TRAN-2H1 ✓	EE/4160-480 SERVICE TRANSFORMER 2H1	SERVICE	9.5'	EMER SWGR	9.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R34	DB,DPM

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.											
43	6009	04	2-EP-TRAN-2J ✓	EE/4160-480 SERVICE TRANSFORMER 2J	SERVICE	9.5'	EMER SWGR	9.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R34	DB,DPM
44	6010	04	2-EP-TRAN-2J1	EE/4160-480 SERVICE TRANSFORMER 2J1	SERVICE	9.5'	EMER SWGR	9.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
45	6020	04	2-EP-XFMR-2SVB1-1	EE/480-120 SEMI-VITAL TRANSFORMER	SERVICE	9.5'	EMER SWGR	22'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
46	6021	04	2-EP-XFMR-2SVB1-2	EE/480-120 SEMI-VITAL TRANSFORMER	SERVICE	9.5'	EMER SWGR	16.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
47	5001	05	1-CC-P-1C	CC/COMPONENT COOLING PUMP	AUX	2'	F/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	WHT,TWH,2
48	5002	05	1-CC-P-1D	CC/COMPONENT COOLING PUMP	AUX	2'	F/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	WHT,TWH,2
49	1014	05	1-CH-P-2C	CH/BORIC ACID TRANSFER PUMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
50	1013	05	1-CH-P-2D	CH/BORIC ACID TRANSFER PUMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
51	1040	05	2-CH-P-1A	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
52	1041	05	2-CH-P-1B	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
53	1042	05	2-CH-P-1C	CH/CHARGING PUMP	AUX	2'	J/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,TWH,3
54	4141	05	2-FW-P-2	FW/STEAM DRIVEN AUX FEED PUMP	MSVH	27.5	GA/13.3	27.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
55	4144	05	2-FW-P-3A	FW/MOTOR DRIVEN AUX FEED PUMP	MSVH	27.5	GA/13.3	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,WHT
56	4146	05	2-FW-P-3B	FW/MOTOR DRIVEN AUX. FEED PUMP	MSVH	27.5	GA/13.3	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHT,DB

Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$sscl\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr. Elev.	Rm/Row/Col. Elev.										
57	4156	05	2-FW-P-4A	FW/EMERGENCY CNDS MAKE-UP PUMP	CSPH	12'	NOTE 2Y	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	CGR,KNM
58	4157	05	2-FW-P-4B	FW/EMERGENCY CNDS MAKE-UP PUMP	CSPH	12'	NOTE 2H	12'	Y	ABS	CRS	Y	Y	Y	Y	Y	CGR,KNM
59	4225	05	2-RH-P-1A	RH/RESIDUAL HEAT REMOVAL PUMP	CONTMT	-13'	RHR FLAT	-13'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM
60	4226	05	2-RH-P-1B	RH/RESIDUAL HEAT REMOVAL PUMP	CONTMT	-13'	RHR FLAT	-13'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM
61	5064	06	2-CC-P-2A	CC/CHARGING PUMP COOLING WATER PUMP	AUX	2'	G/9.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y	CGR,KNM
62	5065	06	2-CC-P-2B	CC/CHARGING PUMP COOLING WATER PUMP	AUX	2'	G/9.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y	CGR,KNM
63	5091	06	2-SW-P-10A	SW/CHARGING PUMP SW PUMP	SERVICE	10'	C/10	10'	Y	ABS	CRS	Y	Y	Y	Y	Y	SEZ,TWH
64	5092	06	2-SW-P-10B	SW/CHARGING PUMP SW PUMP	SERVICE	10'	C/10	10'	Y	ABS	CRS	Y	Y	Y	Y	Y	CGR,KNM
65	5055	07	2-CC-TCV-203	CC/NON-REGEN HX CCW OUTLET ISOL	AUX	13'	K/9.3	16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
66	5047	07	2-CC-TV-209A	CC/CCW RHR OUTLET TRIP	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
67	8009	07	2-CC-TV-209B	CC/CCW RHR OUTLET TRIP	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
68	1025	07	2-CH-FCV-2113A	CH/BAST TO BLENDER CONTROL	AUX	13'		14'	Y	ABS	CRS	Y	Y	N/A	Y	Y	SEZ,TWH
69	1065	07	2-CH-FCV-2122	CH/CHARGING FLOW CONTROL VALVE	AUX	2'	G/10	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
70	3061	07	2-CH-HCV-2200A	CH/LETDOWN ORIFICE 1 CONTROL	CONTMT	6'	5.9	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7 CGR,KNM



Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs	
					Bldg	Fir. Elv.	Rm/Row/Col. Elev.											
71	3063	07	2-CH-HCV-2200B	CH/LETDOWN ORIFICE 3 CONTROL	CONTMT	2'	6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	CGR,KNM
72	3065	07	2-CH-HCV-2200C	CH/LETDOWN ORIFICE 2 CONTROL	CONTMT	-3'	6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	CGR,KNM
73	2005	07	2-CH-HCV-2311	CH/AUX SPRAY ISOL	CONTMT	-23'	5.8	-23'	Y	BS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
74	3056	07	2-CH-LCV-2460A	CH/LETDOWN ISOL	CONTMT	-2'		LOOP ROOM A	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
75	3058	07	2-CH-LCV-2460B	CH/LETDOWN ISOL	CONTMT	-2'		LOOP ROOM A	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
76	3078	07	2-CH-TCV-2143	CH/LETDOWN FLOW 3-WAY VALVE AUX		2'	L/10	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
77	3066A	07	2-CH-TV-2204A	CH/LETDOWN INNER CONTMT ISOL	CONTMT	-3'	9	2'-6"	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
78	3067	07	2-CH-TV-2204B	CH/LETDOWN OUTER CONTMT ISOL	AUX	2'	H/10.7	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,KNM
79	4071	07	2-EH-45	EH/INTERFACE EMERGENCY TRIP VALVE	TURB	58'	NOTE 2AA	64'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1	DB,TWH
80	2028	07	2-IA-PCV-201	IA/PORV BACKUP REGULATOR	CONTMT	53'	5	53'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
81	2022	07	2-IA-PCV-202	IA/PORV BACKUP REGULATOR	CONTMT	53'	5	53'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
82	4088	07	2-MS-FCV-204A	MS/MSR STEAM SUPPLY CONTROL	TURB	59'	Y/12	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
83	4089	07	2-MS-FCV-204B	MS/MSR STEAM SUPPLY CONTROL	TURB	59'	B/11	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
84	4090	07	2-MS-FCV-204C	MS/MSR STEAM SUPPLY CONTROL	TURB	59'	Y/14	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col. Elev.										
85	4091	07	2-MS-FCV-204D	MS/MSR STEAM SUPPLY CONTROL	TURB	59'	X/15	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
86	4137	07	2-MS-PCV-202A	MS/TURBINE ISOL	MSVH	28'	GA/12.7	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
87	4133	07	2-MS-PCV-202B	MS/TURBINE ISOL	MSVH	28'	GA/12.7	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
88	4006	07	2-MS-RV-201A	MS/POWER-OPERATED RELIEF VALVE	MSVH	57'	GB/12.7	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
89	4020	07	2-MS-RV-201B	MS/POWER-OPERATED RELIEF VALVE	MSVH	57'	GB/12.7	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
90	4046	07	2-MS-RV-201C	MS/POWER-OPERATED RELIEF VALVE	MSVH	57'	GA/12.7	62'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
91	4005	07	2-MS-SV-201A	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
92	4025	07	2-MS-SV-201B	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
93	4045	07	2-MS-SV-201C	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
94	4003	07	2-MS-SV-202A	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
95	4023	07	2-MS-SV-202B	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
96	4043	07	2-MS-SV-202C	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GA/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
97	4002	07	2-MS-SV-203A	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
98	4022	07	2-MS-SV-203B	MS/OVERPRESSURE SAFETY VALVE	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

**Filter Criteria:** 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.											
99	4042	07	2-MS-SV-203C	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
100	4001	07	2-MS-SV-204A	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
101	4021	07	2-MS-SV-204B	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/13.3	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
102	4041	07	2-MS-SV-204C	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
103	4004	07	2-MS-SV-205A	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
104	4024	07	2-MS-SV-205B	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GB/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
105	4044	07	2-MS-SV-205C	MS/OVERPRESSURE SAFETY VALVE MSVH	MSVH	57'	GA/12.7	57'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
106	4104	07	2-MS-TCV-205A	MS/STEAM DUMP VALVE	TURB	10'	X/12	9'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
107	4105	07	2-MS-TCV-205B	MS/STEAM DUMP VALVE	TURB	10'	X/14	9'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
108	4013	07	2-MS-TV-201A	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/12.7	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21	DB,SEZ
109	4034	07	2-MS-TV-201B	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/13.3	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21	DB,SEZ
110	4053	07	2-MS-TV-201C	MS/MAIN STEAM TRIP VALVE	MSVH	40'	GA/13.3	40'	Y	ABS	CRS	Y	Y	N/A	Y	Y	21	DB,SEZ
111	4134	07	2-MS-TV-220	MS/TURBINE ISOL	MSVH	28'	GA/12.7	30'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,TWH
112	2025	07	2-RC-PCV-2455C	RC/PRZR PORV	CONTMT	47'	5	61'	N	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col. Elev.										
113	2019	07	2-RC-PCV-2456	RC/PRZR PORV	CONTMT	47'	5.1	61'	N	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
114	3090	07	2-RH-IICV-2142	CH/LETDOWN TO RHR ISOL	CONTMT	-13'	2.2	-8'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
115	4182	08A	1-FW-MOV-160A	FW/CROSS CONNECT ISOLATION VALVE	MSVH	27'	GB/13.3	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
116	4183	08A	1-FW-MOV-160B	FW/CROSS CONNECT ISOLATION VALVE	MSVH	27'	GB/13.3	27'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
117	3130	08A	2-CH-MOV-2115B	CH/CHARGING PUMP SUCTION FROM RWST	AUX	13'	J/9.3	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	WIIT,TWH
118	1035	08A	2-CH-MOV-2115C	CH/VCT OUTLET TO CHARGING PUMPS	AUX	13'	K/9	16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
119	3131	08A	2-CH-MOV-2115D	CH/CHARGING PUMP SUCTION FROM RWST	AUX	13'	J/9.3	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	WIIT,TWH
120	1036	08A	2-CH-MOV-2115E	CH/VCT OUTLET TO CHARGING PUMPS	AUX	13'	K/9	16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	DB,DPM
121	1062	08A	2-CH-MOV-2289A	CH/CHARGING STOP VALVE	AUX	2'	G/10	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
122	1061	08A	2-CH-MOV-2289B	CH/CHARGING STOP VALVE	AUX	2'	G/10	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
123	1022	08A	2-CH-MOV-2350	CH/EMERGENCY BORATION VALVE AUX	AUX	13'	G/8.6	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	SEZ,TWH
124	5078	08A	2-CW-MOV-200A	CW/CONDENSER OUTLET ISOL	TURB	10'	Z/12	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
125	5079	08A	2-CW-MOV-200B	CW/CONDENSER OUTLET ISOL	TURB	10'	Z/13	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ
126	5080	08A	2-CW-MOV-200C	CW/CONDENSER OUTLET ISOL	TURB	10'	Z/13	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y	DB,SEZ

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCes
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
127	5081	08A	2-CW-MOV-200D	CW/CONDENSER OUTLET ISOL	TURB	10'	Z/14	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
128	5072	08A	2-CW-MOV-206A	CW/CONDENSER INLET ISOL	TURB	10'	B/12	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
129	5073	08A	2-CW-MOV-206B	CW/CONDENSER INLET ISOL	TURB	10'	B/13	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
130	5074	08A	2-CW-MOV-206C	CW/CONDENSER INLET ISOL	TURB	10'	B/13	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
131	5075	08A	2-CW-MOV-206D	CW/CONDENSER INLET ISOL	TURB	10'	B/14	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
132	4189	08A	2-FW-MOV-251A	FW/ISOLATION AFW HEADER 2 - SG CONTMT 48' C			8.1	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
133	4186	08A	2-FW-MOV-251B	FW/ISOLATION AFW HEADER 1 - SG CONTMT 48' C			8.3	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
134	4188	08A	2-FW-MOV-251C	FW/ISOLATION AFW HEADER 2 - SG CONTMT 48' B			8.5	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
135	4185	08A	2-FW-MOV-251D	FW/ISOLATION AFW HEADER 1 - SG CONTMT 48' B			8.5	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
136	4187	08A	2-FW-MOV-251E	FW/ISOLATION AFW HEADER 2 - SG CONTMT 48' A			8.9	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
137	4184	08A	2-FW-MOV-251F	FW/ISOLATION AFW HEADER 1 - SG CONTMT 48' A			8.7	48'	N	DOC	CRS	Y	N	N/A	Y	Y		SEZ,TWH,3
138	4076	08A	2-MS-MOV-200A	MS/MSR REHEAT STEAM INLET	TURB	59'	Y/12	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
139	4077	08A	2-MS-MOV-200B	MS/MSR REHEAT STEAM INLET	TURB	59'	B/12	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
140	4078	08A	2-MS-MOV-200C	MS/MSR REHEAT STEAM INLET	TURB	59'	Y/14	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.	Elev.										
141	4079	08A	2-MS-MOV-200D	MS/MSR REHEAT STEAM INLET	TURB	59'	X/15	59'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
142	3022	08A	2-RC-MOV-2535	RC/PORV BLOCKING VALVE	CONTMT	47'	5	60'	N/A	DOC/ABS	CRS	Y	Y	N/A	Y	Y	2	DB,DPM
143	3023	08A	2-RC-MOV-2536	RC/PORV BLOCKING VALVE	CONTMT	47'	5	60'	N/A	DOC/ABS	CRS	Y	Y	N/A	Y	Y	2	DB,DPM
144	4223	08A	2-RH-MOV-2700	RH/RHR PUMP SUCTION ISOL	CONTMT	-3.5	LOOP ROOM A	-1'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
145	4224	08A	2-RH-MOV-2701	RH/RHR PUMP SUCTION ISOL	CONTMT	-13'	RHR FLAT	-16'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
146	4241	08A	2-RH-MOV-2720A	RH/RHR RETURN ISOL LOOP B	CONTMT	-25'	4	-5'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
147	4242	08A	2-RH-MOV-2720B	RH/RHR RETURN ISOL LOOP C	CONTMT	-25'	4	-5'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
148	2038	08A	2-SI-MOV-2865A	SI/ACCUM OUTLET ISOL	CONTMT	21'	-27	--	Y	BS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
149	2041	08A	2-SI-MOV-2865B	SI/ACCUM OUTLET ISOL	CONTMT	21'	-27	--	Y	BS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
150	2044	08A	2-SI-MOV-2865C	SI/ACCUM OUTLET ISOL	CONTMT	21'	-27	--	Y	BS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
151	1051	08A	2-SI-MOV-2867C	SI/SAFETY INJECTION ISOL	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
152	1052	08A	2-SI-MOV-2867D	SI/SAFETY INJECTION ISOL	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
153	5082	08A	2-SW-MOV-201A	SW/BEARING COOLING HX ISOL	TURB	10'	B/11	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ
154	5083	08A	2-SW-MOV-201B	SW/BEARING COOLING HX ISOL	TURB	10'	B/11	10'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,SEZ

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr.	Elv.	Rm/Row/Col.										
155	5050	08B	2-CC-SOV-209B	CC/CCW RIIR OUTLET TRIP PILOT	AUX	2'		J/10.7	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y	CGR,KNM
156	3068	08B	2-CH-SOV-2204B	CH/LETDOWN OUTER CONTMT ISOL PILOT	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	Y	Y	Y	TWH,KNM
157	7396	08B	2-EH-SOV-ET	EHC/LOW OIL PRESSURE AUTO STOP	TURB	59'		NOTE 2BB	62'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	1 DB,TWH
158	4072	08B	2-LO-SOV-AST-1	EH/MASTER TRIP SOLENOID	TURB	59'		NOTE 2CC	59'	N	ABS	CRS	Y	Y	N/A	Y	Y	1 CGR,KNM
159	4073	08B	2-LO-SOV-AST-2	EH/BACKUP MASTER TRIP SOLENOID	TURB	59'		NOTE 2DD	59'	N	ABS	CRS	Y	Y	N/A	Y	Y	1 CGR,KNM
160	4014	08B	2-MS-SOV-201A-A	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
161	4015	08B	2-MS-SOV-201A-B	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
162	4017	08B	2-MS-SOV-201A-D	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
163	4016	08B	2-MS-SOV-201A-E	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
164	4035	08B	2-MS-SOV-201B-A	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
165	4036	08B	2-MS-SOV-201B-B	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
166	4038	08B	2-MS-SOV-201B-D	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
167	4037	08B	2-MS-SOV-201B-E	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM
168	4054	08B	2-MS-SOV-201C-A	MS/TRIP VALVE PILOT VALVE	AUX	2'		H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y	TWH,KNM

Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr. Elev.	Rm/Row/Col.	Base Elev.										
169	4055	08B	2-MS-SOV-201C-B	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
170	4057	08B	2-MS-SOV-201C-D	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
171	4056	08B	2-MS-SOV-201C-E	MS/TRIP VALVE PILOT VALVE	AUX	2'	H/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
172	2026	08B	2-RC-SOV-2455C-1	RC/PRZR PORV PILOT	CONTMT	47'	5.1	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
173	2027	08B	2-RC-SOV-2455C-2	RC/PRZR PORV PILOT	CONTMT	47'	5.1	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
174	2020	08B	2-RC-SOV-2456-1	RC/PRZR PORV PILOT	CONTMT	47'	5.1	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
175	2021	08B	2-RC-SOV-2456-2	RC/PRZR PORV PILOT	CONTMT	47'	5.1	61'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
176	4240	08B	2-SS-HCV-200A	SS/RHR OUTLET SAMPLE ISOL	CONTMT	-27'	3.4	-13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
177	4230	08B	2-SS-HCV-200B	SS/RHR INLET SAMPLE ISOL	CONTMT	-13'	1.5	-8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
178	1128	08B	2-SS-HCV-201D	SS/HOT LEG B SAMPLE ISOL	CONTMT	-3'	LOOP ROOM B	8'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
179	1136	08B	2-SS-HCV-202A	SS/COLD LEG A SAMPLE ISOL	CONTMT	-1'	LOOP ROOM A	-3'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R3	DB,DPM
180	1141	08B	2-SS-TV-202A	SS/COLD LEG SAMPLE INNER CONTMT ISOL	CONTMT	15'	9.5	12'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
181	1142	08B	2-SS-TV-202B	SS/COLD LEG SAMPLE OUTER CONTMT ISOL	AUX	2'	J/10.5	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
182	4255	08B	2-SS-TV-203A	SS/RHR SAMPLE CONT. ISOL.	CONTMT	15'	9.5	12'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R3	DB,DPM



Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

**Filter Criteria:** '\$Seval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_bx)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir.	Rm/Row/Col.											
183	4256	08B	2-SS-TV-203B	SS/RHR SAMPLE CONT. ISOL	AUX	2'	J/10.7	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
184	1129	08B	2-SS-TV-206A	SS/HOT LEG SAMPLE INNER CONTMT ISOL	CONTMT	15'	9.5	12'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R3	DB,DPM
185	1130	08B	2-SS-TV-206B	SS/HOT LEG SAMPLE OUTER CONTMT ISOL	AUX	2'	J/10	13'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
186	3094	11	2-CS-MR-1A	CS/RW REFRIGERATION UNIT	YARD	27'	NOTE 2S	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
187	3095	11	2-CS-MR-1B	CS/RW REFRIGERATION UNIT	YARD	27'	NOTE 2Z	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
188	6022	14	2-EE-SW-2*	EE/SEMI-VITAL MANUAL TRANSFER SWITCH	SERVICE	27'	CR	31'	Y	ABS	CRS	Y	Y	Y	Y	Y	3	DB,DPM
189	6034	14	2-EP-DB-2-I	EE/120V VITAL AC 2-I BUS (RED)	SERVICE	27'	COMPUTER	33'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
190	6035	14	2-EP-DB-2-IA	EE/120V VITAL AC 2-IA BUS (RED)	SERVICE	9.5'	EMER SWGR	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
191	6036	14	2-EP-DB-2-II	EE/120V VITAL AC 2-II BUS (WHITE)	SERVICE	27'	CR	33'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
192	6037	14	2-EP-DB-2-IIA	EE/120V VITAL AC 2-IIA BUS (WHITE)	SERVICE	9.5'	EMER SWGR	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
193	6038	14	2-EP-DB-2-IIII	EE/120V VITAL AC 2-IIII BUS (BLUE)	SERVICE	27'	COMPUTER	33'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
194	6039	14	2-EP-DB-2-IIIIA	EE/120V VITAL AC 2-IIIIA BUS (BLUE)	SERVICE	9.5'	EMER SWGR	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
195	6040	14	2-EP-DB-2-IV	EE/120V VITAL AC 2-IV BUS (YELLOW)	SERVICE	27'	CR	33'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
196	6041	14	2-EP-DB-2-IVA	EE/120V VITAL AC 2-IVA BUS (YELLOW)	SERVICE	9.5'	EMER SWGR	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir.	Elv.											
197	6023	14	2-EP-DB-2SVB1	EE/120V SEMI-VITAL AC BUS	SERVICE	27'	CR	31'	Y	ABS	CRS	Y	Y	Y	Y	Y	3	DB,DPM
198	6028	14	2-EPD-DCS-2A	EE/125V VITAL DC BUS 2A	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
199	6030	14	2-EPD-DCS-2A-SUB	EE/125V VITAL DC SUB PNL 2A	SERVICE	9.5'	EMER SWGR	15.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
200	6029	14	2-EPD-DCS-2B	EE/125V VITAL DC BUS 2B	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
201	6031	14	2-EPD-DCS-2B-SUB	EE/125V VITAL DC SUB PNL 2B	SERVICE	9.5'	EMER SWGR	15.5'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
202	6042	15	2-EE-B-EG2	AP/EDG #2 BATTERIES AND RACKS	SERVICE	27'	EDG #2	27'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R7	CGR,KNM
203	6032	15	2-EPD-B-2A	EE/125V BATTERY 2A	SERVICE	9.5'	EMER SWGR	9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHIT,DB
204	6033	15	2-EPD-B-2B	EE/125V BATTERY 2B	TURB	9.5'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHIT,DB
205	6024	16	2-EP-UPS-2A-1	EE/UPS 2A1	SERVICE	9.5'	EMER SWGR	9.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
206	6025	16	2-EP-UPS-2A-2	EE/UPS 2A2	SERVICE	9.5'	EMER SWGR	9.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
207	6026	16	2-EP-UPS-2B-1	EE/UPS 2B1	SERVICE	9.5'	EMER SWGR	9.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
208	6027	16	2-EP-UPS-2B-2	EE/UPS 2B2	SERVICE	9.5'	EMER SWGR	9.5'	Y	DOC/ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
209	6001	17	2-EE-EG-1	AP/EMERGENCY DIESEL GENERATOR 2	SERVICE	27'	EDG #2	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		WHIT,TWH,1
210	5050A	18	2-CC-FT-210A	CC/RHR HX OUTLET FLOW	AUX	2'	J/10.5	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
211	5050B	18	2-CC-FT-210B	CC/RHR HX OUTLET FLOW	AUX	2'	J/10.5	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
212	5065A	18	2-CC-PS-202	CC/CHARGING PUMP CC PRESSURE SWITCH	AUX	2'	G/9.5	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,KNM
213	5065B	18	2-CC-PS-203	CC/CHARGING PUMP CC PRESSURE SWITCH	AUX	2'	G/9.5	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,KNM
214	1020	18	2-CH-FT-2110	CH/EMERGENCY BORATION FLOW	AUX	13'	G/9.3	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
215	1023	18	2-CH-FT-2113	CH/BORIC ACID FLOW	AUX	13'	G/9.3	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
216	1077	18	2-CH-FT-2124	CH/SEAL INJECTION FLOW	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
217	1079	18	2-CH-FT-2127	CH/SEAL INJECTION FLOW	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
218	1081	18	2-CH-FT-2130	CH/SEAL INJECTION FLOW	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,KNM
219	3085	18	2-CH-LT-2112	CH/VCT LEVEL	AUX	27.5	J/9	27.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
220	3087	18	2-CH-LT-2115	CH/VCT LEVEL	AUX	27.5	H/9	27.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
221	4149	18	2-CN-LT-200	CN/ECST LEVEL TRANSMITTER	YARD	27.5	NOTE 2W	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
222	4150	18	2-CN-LT-201	CN/ECST LEVEL TRANSMITTER	YARD	27.5	NOTE 2W	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
223	4154	18	2-CN-LT-210	CN/MAKE-UP TANK LEVEL TRANSMITTER	YARD	27'	NOTE 2X	41'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
224	3099	18	2-CS-LT-200A	CS/RWST LEVEL	YARD	27'	NOTE 2B	30'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3

Date: 01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Ftr. Elv.	Rm/Row/Col.											
225	3101	18	2-CS-LT-200B	CS/RWST LEVEL	YARD	27'	NOTE 2C	30'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
226	4190	18	2-FW-FT-200A	FW/AFW FLOW TRANSMITTER SG A	CONTMT	18'		8.7	21'-6"	N	DOC	CRS	Y	Y	Y	Y	19	SEZ,TWH,1
227	4191	18	2-FW-FT-200B	FW/AFW FLOW TRANSMITTER SG B	CONTMT	18'		8.7	21'-6"	N	DOC	CRS	Y	Y	Y	Y	19	SEZ,TWH,1
228	4192	18	2-FW-FT-200C	FW/AFW FLOW TRANSMITTER SG C	CONTMT	18'		8.7	21'-6"	N	DOC	CRS	Y	Y	Y	Y	19	SEZ,TWH,1
229	4200	18	2-FW-LT-2474	FW/NR LEVEL SG A	CONTMT	18'		16.6	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
230	4198	18	2-FW-LT-2475	FW/NR LEVEL SG A	CONTMT	18'		17.4	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
231	4196	18	2-FW-LT-2476	FW/NR LEVEL SG A	CONTMT	18'		14.5	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
232	4202	18	2-FW-LT-2477	FW/WR LEVEL SG A	CONTMT	-4'		14.7	-4'	Y	ABS	CRS	Y	Y	Y	Y		CGR,KNM
233	4209	18	2-FW-LT-2484	FW/NR LEVEL SG B	CONTMT	15'		9.5	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
234	4207	18	2-FW-LT-2485	FW/NR LEVEL SG B	CONTMT	15'		9.8	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
235	4205	18	2-FW-LT-2486	FW/NR LEVEL SG B	CONTMT	15'		9	18'	N	ABS	CRS	Y	Y	Y	Y		CGR,KNM
236	4211	18	2-FW-LT-2487	FW/WR LEVEL SG B	CONTMT	-4'		9.2	-4'	Y	ABS	CRS	Y	Y	Y	Y		CGR,KNM
237	4218	18	2-FW-LT-2494	FW/NR LEVEL SG C	CONTMT	18'		4.7	22'	Y	ABS	CRS	Y	Y	Y	Y		DB,DPM
238	4216	18	2-FW-LT-2495	FW/NR LEVEL SG C	CONTMT	18'		4.5	22'	Y	ABS	CRS	Y	Y	Y	Y		DB,DPM

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Flr.	Elv.										
239	4214	18	2-FW-LT-2496	FW/NR LEVEL SG C	CONTMT	18'	4.3	22'	Y	ABS	CRS	Y	Y	Y	Y		DB,DPM
240	4220	18	2-FW-LT-2497	FW/WR LEVEL SG C	CONTMT	-3.5'	4.3	2'	N/A	ABS	CRS	Y	Y	Y	Y		DB,DPM
241	4142	18	2-FW-PS-252	FW/PRESSURE SWITCH	SFGD	27.5	GB/5.6	27'	Y	ABS	CRS	Y	Y	Y	Y		TWH,SEZ,3
242	2027A	18	2-IA-PS-203A	IA/PORV BACKUP AIR PRESSURE	CONTMT	53'	5	53'	N	DOC	CRS	Y	Y	Y	Y	20	SEZ,TWH
243	2021A	18	2-IA-PS-203B	IA/PORV BACKUP AIR PRESSURE	CONTMT	53'	5	53'	N	DOC	CRS	Y	Y	Y	Y	20	SEZ,TWH
244	2030	18	2-IA-PS-204A	IA/PORV BACKUP AIR TANK PRESSURE	CONTMT	53'	5	53'	N	DOC	CRS	Y	Y	Y	Y	20	SEZ,TWH
245	2024	18	2-IA-PS-204B	IA/PORV BACKUP AIR TANK PRESSURE	CONTMT	53'	5	53'	N	DOC	CRS	Y	Y	Y	Y	20	SEZ,TWH
246	4132	18	2-MS-FT-200	MS/FLOW TRANSMITTER	MSVH	27'	GA/13.3	31'	Y	ABS	CRS	Y	Y	Y	Y		DB,SEZ
247	4009	18	2-MS-PT-201A	MS/PRESSURE TRANSMITTER	MSVH	8'	NOTE 2J	12'	Y	ABS	CRS	Y	Y	Y	Y		DB,TWH
248	4028	18	2-MS-PT-201B	MS/PRESSURE TRANSMITTER	MSVH	8'	NOTE 2L	12'	Y	ABS	CRS	Y	Y	Y	Y		DB,TWH
249	4047	18	2-MS-PT-201C	MS/PRESSURE TRANSMITTER	MSVH	8'	NOTE 2P	12'	Y	ABS	CRS	Y	Y	Y	Y		DB,TWH
250	4007	18	2-MS-PT-2474	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2I	17'	Y	ABS	CRS	Y	Y	Y	Y		DB,SEZ
251	4011	18	2-MS-PT-2475	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2K	17'	Y	ABS	CRS	Y	Y	Y	Y		DB,SEZ
252	4030	18	2-MS-PT-2484	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2M	17'	Y	ABS	CRS	Y	Y	Y	Y		DB,SEZ

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Elev.										
253	4032	18	2-MS-PT-2485	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2N	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
254	4049	18	2-MS-PT-2494	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2Q	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,SEZ
255	4051	18	2-MS-PT-2496	MS/PRESSURE TRANSMITTER	CSPH	13'	NOTE 2R	17'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
256	3038	18	2-RC-LT-1310	RC/RVLIS A PLENUM LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
257	3034	18	2-RC-LT-1311	RC/RVLIS A N-RANGE LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
258	3036	18	2-RC-LT-1312	RC/RVLIS A W-RANGE LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
259	3054	18	2-RC-LT-1320	RC/RVLIS B PLENUM LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
260	3050	18	2-RC-LT-1321	RC/RVLIS B N-RANGE LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
261	3052	18	2-RC-LT-1322	RC/RVLIS B W-RANGE LEVEL	AUX	13'	L/10.5	13'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
262	3012	18	2-RC-LT-2459	RC/PRZR LEVEL	CONTMT	18'	5.3	22'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
263	3014	18	2-RC-LT-2460	RC/PRZR LEVEL	CONTMT	18'	6	22'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
264	3016	18	2-RC-LT-2461	RC/PRZR LEVEL	CONTMT	18'	5.6	22'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
265	3017A	18	2-RC-LT-2462	RC/PRZR LEVEL	CONTMT	4'	5	1'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
266	2034	18	2-RC-LT-2470	RC/PRT LEVEL	CONTMT	4'	6	12'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)

Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col. Elev.										
267	2001	18	2-RC-PT-2402	RC/REACTOR COOLANT PRESSURE	CONTMT 4'	4.8	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
268	2003	18	2-RC-PT-2403	RC/REACTOR COOLANT PRESSURE	CONTMT 4'	4.8	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
269	2011	18	2-RC-PT-2455	RC/PRZR PRESSURE	CONTMT -3.5'	5.3	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
270	2013	18	2-RC-PT-2456	RC/PRZR PRESSURE	CONTMT -3.5'	6	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
271	2015	18	2-RC-PT-2457	RC/PRZR PRESSURE	CONTMT -3.5'	5.6	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
272	2017	18	2-RC-PT-2458B	RC/PRZR PRESSURE	CONTMT -4'	5	1'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
273	2032	18	2-RC-PT-2472	RC/PRT PRESSURE	CONTMT 4'	5.3	0'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH,3
274	4238	18	2-RH-FT-2605	RH/HX OUTLET FLOW	CONTMT -28'	3.2	-21'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
275	5092C	18	2-SW-PS-7	SW/CHARGING PUMP SW PRESSURE MER4 SWITCH		10'	C/10	14'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH
276	5092D	18	2-SW-PS-8	SW/CHARGING PUMP SW PRESSURE MER4 SWITCH		10'	C/10	14'	Y	ABS	CRS	Y	Y	Y	Y		SEZ,TWH
277	1003	19	1-CH-TIC-1103 ✓	CH/BAST C TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	O/R36	SEZ,TWH,2
278	1004	19	1-CH-TIC-1166 ✓	CH/BAST C TEMP	AUX	13'	G/9	13'	Y	ABS	CRS	Y	Y	Y	Y	O/R36	SEZ,TWH,2
279	5050E	19	2-CC-RTD-209A	CC/RHR HX OUTLET TEMP	AUX	2'	J/10.5	13'	Y	ABS	CRS	Y	Y	N/A	Y		CGR,KNM
280	5050F	19	2-CC-RTD-209B	CC/RHR HX OUTLET TEMP	AUX	2'	J/10.7	2'	Y	ABS	CRS	Y	Y	N/A	Y		TWH,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col.	Base Elev.										
281	3072	19	2-CII-TE-2143	DEMIN. DIVERT. FLOW	AUX	2'	L/9.5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
282	3070	19	2-CII-TE-2144	CH/NON-REGEN IIX OUTLET TEMP	AUX	2'	L/9.5	8'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
283	3103	19	2-CS-RTD-200A	CS/RWST TEMPERATURE	YARD	27'	NOTE 2D	27'	Y	ABS	AGS	Y	Y	N/A	Y	Y		SEZ,TWH,2
284	3105	19	2-CS-RTD-200B	CS/RWST TEMPERATURE	YARD	27'	NOTE 2D	27'	Y	ABS	AGS	Y	Y	N/A	Y	Y		SEZ,TWH,2
285	3024	19	2-RC-TE-2-1313	RC/RVLIS TRAIN A RTD T1	CONTMT	36.4	10	36.4'	N	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
286	3025	19	2-RC-TE-2-1314	RC/RVLIS TRAIN A RTD T2	CONTMT	33'	11	33'	N	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
287	3026	19	2-RC-TE-2-1315	RC/RVLIS TRAIN A RTD T3	CONTMT	13.8	4.9	13.8'	Y	DOC	CRS	Y	Y	N/A	Y	Y	22	SEZ,TWH
288	3027	19	2-RC-TE-2-1316	RC/RVLIS TRAIN A RTD T4	CONTMT	17.5	11.7	17.5'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
289	3028	19	2-RC-TE-2-1317	RC/RVLIS TRAIN A RTD T5	CONTMT	22'		22'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
290	3029	19	2-RC-TE-2-1318	RC/RVLIS TRAIN A RTD T6	CONTMT	4.5'		4.5'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
291	3030	19	2-RC-TE-2-1319	RC/RVLIS TRAIN A RTD T7	CONTMT	16.2	0	16.2'	Y	DOC	CRS	Y	Y	N/A	Y	Y	22	SEZ,TWH
292	3040	19	2-RC-TE-2-1323	RC/RVLIS TRAIN B RTD T1	CONTMT	36.4	10	36.4'	N	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
293	3041	19	2-RC-TE-2-1324	RC/RVLIS TRAIN B RTD T2	CONTMT	33.8	11	33.8'	N	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
294	3042	19	2-RC-TE-2-1325	RC/RVLIS TRAIN B RTD T3	CONTMT	3'		3'	Y	DOC	CRS	Y	Y	N/A	Y	Y	22	SEZ,TWH



Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs	
					Bldg	Flr. Elev.	Rm/Row/Col. Elev.											
295	3043	19	2-RC-TE-2-1326	RC/RVLIS TRAIN B RTD T4	CONTMT	17'	11.7	17'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
296	3044	19	2-RC-TE-2-1327	RC/RVLIS TRAIN B RTD T5	CONTMT	22'		22'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
297	3045	19	2-RC-TE-2-1328	RC/RVLIS TRAIN B RTD T6	CONTMT	4.5'		4.5'	Y	DOC	CRS	Y	Y	N/A	Y	Y	19	SEZ,TWH
298	3046	19	2-RC-TE-2-1329	RC/RVLIS TRAIN B RTD T7	CONTMT	16.3	0	16.3'	Y	DOC	CRS	Y	Y	N/A	Y	Y	22	SEZ,TWH
299	4245	19	2-RC-TE-2410	RC/COLD LEG A TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
300	4244	19	2-RC-TE-2413	RC/HOT LEG A TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
301	4249	19	2-RC-TE-2420	RC/COLD LEG B TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
302	4248	19	2-RC-TE-2423	RC/HOT LEG B TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
303	4253	19	2-RC-TE-2430	RC/COLD LEG C TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
304	4252	19	2-RC-TE-2433	RC/HOT LEG C TEMP	CONTMT	16'		18'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
305	4239	19	2-RH-RTD-2606	RH/HX OUTLET TEMP	CONTMT	-16'	3.2	-16'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
306	4229	19	2-RH-TE-2604	RH/RHR PUMPS DISCHARGE TEMP	CONTMT	-13'	1	-2'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
307	6002	20	2-AP-CC-35-2 ✓	AP/EDG 2 CONTROL PANEL	SERVICE	27'	EDG #2	22'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R37	SEZ,TWH
308	5002A	20	2-CC-PT-200	CC/CCW PUMP OUTLET PRESSURE	AUX	2'	F/9	2'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,KNM

Date: 01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir.	Elv.											
309	5511	20	2-CLS-A*	/CONDITION LIMITING SAFEGUARDS CABINET	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,TWH
310	5512	20	2-CLS-B*	/CONDITION LIMITING SAFEGUARDS CABINET	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,TWH
311	5503	20	2-CW-PNL-1A	CW/CIRC WATER PANEL	SERVICE	9.5'		12.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
312	5504	20	2-CW-PNL-1B	CW/CIRC WATER PANEL	SERVICE	9.5'		12.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
313	6002A	20	2-DIP-DGRH*	AP/DIESEL ISOLATION PANEL	SERVICE	27'	EDG #2	27'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
314	6002B	20	2-DIP-ESRH*	AP/DIESEL ISOLATION PANEL	SERVICE	9.5'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
315	5505	20	2-EE-MRR-1*	EE/MISCELLANEOUS RELAY RACK	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15, O/R16	DB,SEZ
316	5506	20	2-EE-MRR-2*	EE/MISCELLANEOUS RELAY RACK	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	DB,SEZ
317	5507	20	2-EE-URP-2H*	EE/UNDERVOLTAGE RELAY PANEL	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
318	5508	20	2-EE-URP-2J*	EE/UNDERVOLTAGE RELAY PANEL	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
319	5509	20	2-ESC-A*	/ENGINEERED SAFEGUARDS CABINET	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	DB,SEZ
320	5510	20	2-ESC-B*	/ENGINEERED SAFEGUARDS CABINET	SERVICE	9'		9.5'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	DB,SEZ
321	5514	20	2-RMT-CAB-A	/RECIRCULATION MODE TRANSFER CABINETS	SERVICE	9'		12'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R5	DB,DPM
322	5515	20	2-RMT-CAB-B	/RECIRCULATION MODE TRANSFER CABINETS	SERVICE	9'		12'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R5	DB,DPM

Date:01/12/00

## SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46 SURRY POWER STATION UNIT 2

Filter Criteria: 'S'\$eval\_type and 'A'\$ssel\_note and (not 'Y'\$rule\_of\_box)  
Sort Criteria: class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----			<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elev.	Rm/Row/Col. Elev.										
323	9999C	20	BENCH BOARD II-1	BENCH BOARD II-1	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM
324	9999D	20	BENCH BOARD II-2	BENCH BOARD II-2	SERVICE	27'	CR	27'	Y	ABS	CRS	Y	Y	Y	Y	Y	DB,DPM
325	9999A	20	VERTICAL BOARD II-1	VERTICAL BOARD II-1	SERVICE	27'	CR	27'	Y	DOC/ABS	CRS	Y	Y	Y	Y	9	DB,DPM
326	9999B	20	VERTICAL BOARD II-2	VERTICAL BOARD II-2	SERVICE	27'	CR	27'	Y	DOC/ABS	CRS	Y	Y	Y	Y	9	DB,DPM
327	5003	21	1-CC-E-1C	CC/CCW HX	TURB	10'	Z/7	10'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	WHT,TWH,2
328	5004	21	1-CC-E-1D	CC/CCW HX	TURB	10'	Z/7	10'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	WHT,TWH,2
329	1001	21	1-CH-TK-1C	CH/BORIC ACID STORAGE TANK C (BAST)	AUX	27'	G/9	27'	Y	N/A	N/A	Y	N/A	Y	Y	Y	SEZ,TWH,2
330	5061	21	2-CC-TK-3	CC/CHARGING PUMP SEAL COOLING SURGE TANK	AUX	2'	G/9.5	2'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R24 TWII,KNM,2
331	1121	21	2-CH-E-1	CH/SEAL WATER HX	AUX	2'	K/9	2'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,DPM
332	3069	21	2-CH-E-2	CH/NON-REGENERATIVE HEAT EXCHANGER	AUX	2'	K/9	2'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,DPM
333	3060	21	2-CH-E-3	CH/REGENERATIVE HEAT EXCHANGER	CONTMT	-3.5	7	6.6'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,DPM
334	3084	21	2-CH-TK-2	CH/VOLUME CONTROL TANK (VCT)	AUX	27.5	J/9	27.5'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	DB,DPM
335	5076	21	2-CN-SC-1A	CN/CONDENSER	TURB	10'	Y/13	6'	Y	DOC	CRS	Y	N/A	Y	Y	Y	DB,SEZ
336	5077	21	2-CN-SC-1B	CN/CONDENSER	TURB	10'	Y/14	6'	Y	DOC	CRS	Y	N/A	Y	Y	Y	DB,SEZ

Date:01/12/00

**SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46  
SURRY POWER STATION UNIT 2**

**Filter Criteria:** 'S'\$eval\_type and 'A'\$sscl\_note and (not 'Y'\$rule\_of\_box)  
**Sort Criteria:** class + mark\_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	-----LOCATION-----				Base <40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
					Bldg	Fir. Elv.	Rm/Row/Col.	Elev.										
337	4148	21	2-CN-TK-1	CN/EMERGENCY CONDENSATE STORAGE TANK	YARD	27'	NOTE 2V	27'	Y	N/A	N/A	N/A	N/A	Y	N/A	Y	O/R28	WHT,TWH,2
338	4153	21	2-CN-TK-3	CN/EMERGENCY CNDS MAKE-UP TANK	SFGD	2'		2'	Y	N/A	N/A	N/A	N/A	Y	Y	Y	O/R22	WHT,TWH,2
339	3096	21	2-CS-TK-1	CS/REFUELING WATER STORAGE TANK (RWST)	YARD	27'	NOTE 2A	27'	N/A	N/A	N/A	Y	N/A	Y	Y	Y	O/R23	DB,WIIT
340	2029	21	2-IA-PORV-TK1*	IA/PORV BACKUP AIR TANK	CONTMT	53'	5	53'	N	N/A	N/A	Y	N/A	Y	Y	Y	12	CGR,KNM
341	2023	21	2-IA-PORV-TK2*	IA/PORV BACKUP AIR TANK	CONTMT	53'	5	53'	N	N/A	N/A	Y	N/A	Y	Y	Y	12	CGR,KNM
342	2031	21	2-RC-TK-2	RC/PRESSURIZER RELIEF TANK (PRT)	CONTMT	8'	6	8'	Y	N/A	N/A	Y	N/A	Y	Y	Y	11	CGR,KNM
343	4231	21	2-RH-E-1A	RH/RHR HX A	CONTMT	-13'	RHR FLAT	-13'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y		DB,DPM
344	4232	21	2-RH-E-1B	RH/RHR HX B	CONTMT	-13'	RHR FLAT	-13'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y		DB,DPM
345	1147	21	2-SS-E-12	SS/COLD LEG COOLANT SAMPLE COOLER	AUX	27'	J/9	36'	Y	DOC	CRS	Y	N/A	Y	Y	Y		SEZ,TWH
346	1135	21	2-SS-E-4	SS/HOT LEG COOLANT SAMPLE COOLER	AUX	27'	J/9	36'	Y	DOC	CRS	Y	N/A	Y	Y	Y		SEZ,TWH
347	4268	21	2-SS-E-9	SS/RHR SAMPLE COOLER	AUX	27'	J/9	36'	Y	DOC	CRS	Y	N/A	Y	Y	Y		SEZ,TWH
348	5062	21	2-SW-E-1A	SW/CHARGING PUMP INTERMEDIATE SEAL COOLER	AUX	2'	J/10	2'	Y	N/A	N/A	N/A	N/A	Y	N/A	Y		TWH,KNM
349	5063	21	2-SW-E-1B	SW/CHARGING PUMP INTERMEDIATE SEAL COOLER	AUX	2'	J/9.5	2'	Y	N/A	N/A	N/A	N/A	Y	N/A	Y		TWH,KNM

**USI A-46 Program**  
**Screening Verification Data Sheet (SVDS) Notes and Outlier Resolution**  
**Surry Power Station Units 1 and 2**

**NOTES:**

1. Intent met for capacity > demand (CRS is slightly above ABS in a small frequency bandwidth near 2 Hz.).
2. Motor-operators were replaced in 1989. Vendor demonstrated valve/yoke assembly could withstand 1.5g horizontal load which is greater than seismic accelerations predicted from piping analysis.
3. Mounted to the back of vertical board.
4. Qualified per test report no. 60041-93N and anchorage calc. 01039.4610-NP(B)-035-CZ.
5. Equipment anchorage seismically qualified by S&W calculation 01039-4610-NM(B)-002-CZ under DCP 90-08-03.
6. Anchorage found acceptable by engineering judgement.
7. The valve is located in a locked high radiation area that could not be accessed. The review was done through review of drawings, photographs and VIMS and found acceptable. The operator height was within the GIP limitations.
8. Equipment tested per IEEE-344-1975, test report no. 60041-93N, Rev. 1, dated 2/17/1993; Klockner-Moeller Corporation, Marietta, GA. Anchorage was also qualified under calc. 01039-4610-NP(B)-035-CZ.
9. Vertical boards evaluated and found acceptable under earlier walkdown by EQE. (Ref. EQE report no. 42071-R-001, dated 6-26-91.)
10. Deficiencies were found in the support anchorage during inspection. These deficiencies were corrected through field change #1 to DCP 93-033-3. The corrected support was found acceptable.
11. Evaluation performed under calculation CE-934 and CE-1105.
12. Noticed structural deficiencies during inspection, such as missing bottle strap fastener nuts and inadequate bolt/nut engagement. A deviation report was written to correct these deficiencies. These deficiencies have been corrected.
13. Anchorage qualified per calculation SEO-474 under EWR 85-593.
14. Anchorage and supports extremely rugged around the damper unit and were judged seismically rugged.
15. This item of equipment was inaccessible due to ALARA and airborne particles. Therefore, the drawing was relied upon to perform seismic qualification/verification.
16. Existing calculation and testing, per DCP 90-08-3, qualified this item of equipment seismically.
17. This equipment was extremely well anchored to rigid frame on rigid support, and judged seismically acceptable based upon walkdown.
18. This item of equipment was lightweight and tug tested to greater than three times its weight.
19. This item of equipment was qualified per IEEE Std. 344-1975, and is well anchored.
20. Seismically qualified via Design Change (DCP) 93-037-3.
21. This valve meets the intent of the GIP caveats and therefore is acceptable.
22. This component could not be physically located in field. However, the intent of GIP is considered met, since several other similar temperature elements were walked down and found to be acceptable. In addition, these components were qualified per IEEE Std. 344-1975.

## OUTLIERS-RESOLVED (O/R):

- O/R1. Gap under base corrected and anchorage enhanced via DCP 93-033-3.
- O/R2. One anchor bolt was unacceptable and was replaced via resolution to DR S-95-0479.
- O/R3. U-bolts were missing and were installed via work order 00282121-01 (valve 1-SS-HCV-102A), and work order 283102 (valves 2-SS-TV-203A, 206A, and 2-SS-HCV-202A).
- O/R4. Anchorage gap corrected (for 1-EE-MRR1) and cabinets were connected to adjacent cabinets by DCP 93-033-3.
- O/R5. Cabinet connected by DCP 93-033-3, field change #4.
- O/R6. Missing 'U' clamp was replaced via deficiency card EM-93-0467.
- O/R7. The batteries are tubular type, which is an outlier. Existing documents qualify the batteries to IEEE Std. 344-75 requirements (FDI Report no. A-8-83 dated 4-22-83). The battery racks have also been seismically qualified.
- O/R8. The cabinets are bolted to wall through unistrut bolts and spring nuts. This type of anchorage is not covered by GIP. Anchorage was evaluated and is satisfactory.
- O/R9. The cabinets have essential relays and required bolting together. The cabinets were bolted under DCP 93-033-3.
- O/R10. DCP 93-033-3 Field Change #2 was completed to address anchorage and interaction outlier concerns for these components.
- O/R11. Outlier fixed per Field Change #13 to DCP 93-033-3 (interaction with adjacent cabinet). This component has essential relays.
- O/R12. Outlier: Interaction of cabinet sections of the component. Component connected together per DCP 93-033-3 Field Change #1 to prevent seismic interaction because it has essential relays.
- O/R13. DCP 93-033-3 Field Change #13 was completed to address the anchorage and/or interaction with neighboring structures of the MCCs.
- O/R14. DCP 93-033-3 Field Change #13 was completed to address the anchorage outliers for these switchgear.
- O/R15. Anchorage and Interaction fixed per DCP 93-033-3 Field Change #4.
- O/R16. Two screws in Agastat relay 2-1 MV were missing and were installed after this was identified in a deficiency card.
- O/R17. The displacement between bolt heads and cabinet is calculated to be less than the 1/4" gap, therefore interaction is not credible.
- O/R18. This is a class 0 pipe mounted component and is also independently supported. A specific evaluation was performed to confirm its adequacy and anchorage.
- O/R19. This is a class 0 item of equipment and has been evaluated and found adequate.
- O/R20. The cabinet is close to a conduit. Further walkdown of the cabinet was performed and an evaluation of the impact was conducted. The interaction was determined to be not significant.
- O/R21. This is a small horizontal tank hung from ceiling. A calculation was performed which demonstrated the adequacy of tank support/anchorage.
- O/R22. These are buried tanks, not covered by the GIP. Per EPRI NP-6041, buried tanks are not sensitive to seismic inertia effects. The attached piping was reviewed and found acceptable.
- O/R23. Adjacent tall vertical tank (1,2-CS-TK-2) was analyzed for interaction. It was determined that this tank has sufficient capacity, and will not interact with the RWST. In addition, the tank is an outlier due to inadequate freeboard for the sloshing mode. The tank was analyzed for IPEEE (Seismic) considering all the water in the RWST in the impulsive mode. The tank high-confidence-of-low-probability-of-failure (hclpf) using fragility method was calculated to be 0.32g. Therefore, this tank outlier is considered resolved.

## OUTLIERS-RESOLVED (O/R)(Continued):

- O/R24. Tank hung by rods not covered by GIP. An anchorage evaluation was performed and was found to be satisfactory.
- O/R25. Pumps are anchored with 1" diameter Williams rock anchor bolts. This anchorage was evaluated and found acceptable.
- O/R26. Side to side restraint concern of Westinghouse DB-50 breakers was resolved by using test data from WCAP-7817, Rev. 6 (Aug. 1974).
- O/R27. A piston in the damper was noted to be missing. The vendor (ITT) manual was reviewed and it was determined that the damper can operate without the piston.
- O/R28. Per the GIP, this tank is an outlier since the overturning capacity is less than the calculated overturning moment. Conservatively, the GIP criteria does not consider fluid hold-down forces when estimating overturning capacity. The overturning capacity was revised based on the guidelines in EPRI report NP-6041. Since the revised overturning capacity is much greater than the calculated overturning moment, this outlier is considered resolved.
- O/R29. Impeller shaft was found to be cantilevered more than 20'. A calculation was performed and the pump was found to be acceptable.
- O/R30. The cabinet support was missing one anchor bolt, which was installed by design change DCP 93-033-3.
- O/R31. Anchorage enhancement and connection to the adjacent cabinet completed by design change DCP 93-033-3.
- O/R32. Connected to the adjacent cabinet via design change DCP 93-033-3.
- O/R33. Further evaluation of the strap anchor bolt connections was performed and it was found that they have sufficient capacity.
- O/R34. The nuts for the bolts connecting the transformer coils to the base channels were tightened. Also, a tightness check was performed for a representative sample of the transformer cabinet anchor bolts.
- O/R35. An evaluation of the anchorage of the fan housing mounting was performed.
- O/R36. The component anchorage and interaction with conduit support have been evaluated.
- O/R37. The low ruggedness relay (Westinghouse - SV) in this cabinet was replaced by a Wilmar relay via design change DC-95-17.
- O/R38. These MCCs are back-to-back and tied together at the end cabinet bay units only. A modification of interaction of center bays has been performed per FC #16 to DCP 93-033-3.
- O/R39. This component was missing base plug welds in several cabinet bays. To address the peer reviewer's concern regarding the heavy internal 4160V breakers, enhancement to the anchorage has been done by adding one plug weld on each end of each cabinet bay per FC#16 of DCP 93-033-3.
- O/R40. This damper is a class "0" item of equipment and is not covered by the GIP. Drawings, other information, and guidelines provided by SQUG have been reviewed and the item is adequate.
- O/R41. The gaps between batteries do not have close-fitting, crush-resistance fillers. Further evaluation was performed and it was determined that no crush resistant fillers are required (refer engineering work sheet filed with the SEWS).
- O/R42. Attached level sight tube is made of glass, which is a brittle material and has the potential to shatter during an earthquake. The sight tube was evaluated and found adequate.