VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 26, 2000

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

Serial No.	00-180
NE/EM/DB	R0
Docket Nos.	50-338
	50-339
License Nos.	NPF-4
	NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA 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

In a May 27, 1997 letter (Serial No. 97-246), we transmitted a plant-specific summary report in response to GL 87-02 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 North Anna using 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 and the plans for their resolution were listed and discussed in Section 11.2 of the summary report.

We stated in the May 27, 1997 letter that disposition of the outliers was planned by the end of the North Anna Unit 1 refueling outage then scheduled to commence in April 2000. The resolution of these outliers has been in progress and in an April 1, 1999 letter (Serial No. 99-027), we provided an interim status in response to an NRC request for additional information. During the North Anna Unit 1 refueling outage that began on March 12, 2000, resolution of the remaining outliers was completed.

The purpose of this letter is to provide the disposition of the outliers and the information required by 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 contains the revised Screening Verification Data Sheets (SVDS) and the associated notes, as required by Section 9.1 of GIP-2. The SVDS summarize the results of the seismic verification of mechanical and electrical equipment.

A025

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

Very truly yours,

Leslie N. Hartz
Vice President – Nuclear Engineering and Services

Attachments:

1. Summary of the resolution of outliers – North Anna USI A-46 Program
2. Screening Verification Data Sheets (SVDS) and associated 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. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

ATTACHMENT 1

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

The USI A-46 summary report transmitted to the NRC by a May 27, 1997 letter (Serial No. 97-246), 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 April 1, 1999 letter (Serial No. 99-027). 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 May 27, 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 condulet covers were missing in the cable vault and tunnel area and in the Service Building. In addition, cables in several locations were hanging loose from the cable tray in these buildings. Work Orders were issued to the Station to correct these deficiencies and all the tasks have been satisfactorily completed.

UPDATED TABLE 11.2-1
Resolution Status of Outliers - Mechanical and Electrical Equipment

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	PREVIOUS RESOLUTION PLAN FROM MAY 27, 1997 SUMMARY REPORT **COMPLETED RESOLUTION (BOLD)**
1	Housekeeping Issue: Movable CO_2 fire extinguisher carts on wheels, unanchored tables, trash cans etc. are a few inches away from SSEL cabinets housing essential relays in the ESGR room and IRR room.	In the vicinity of several components.	This issue is being resolved via an Engineering Transmittal No. CEM-97-0032 to the Station. **A Station Administrative Procedure (VPAP-0312) addressing seismic housekeeping has been issued. Specific housekeeping issues identified during the USI A-46 walkdowns were resolved. Specific issues identified in the A-46 summary report have been resolved.** **This outlier/issue is therefore resolved.**
2	Control Room (CR) ceiling panels may require reinforcement to prevent their falling during an SSE	CR cabinets containing essential relays; also CR operators may be affected	CR ceiling panels will be reviewed. If required, they will be tied together with clips to prevent their falling during SSE. **To resolve this concern, Engineering Transmittal CEM 99-0019 was issued. In accordance with this transmittal, Control Room ceiling panels were tied to the T-bars on which they rest using metal clips under Work Order 00420902-01.** **This outlier/issue is therefore resolved.**
3	(a) Some of the friction clips used in transformer cabinet anchorages have a small gap with the base channel. The coils are not laterally restrained at the top, however, the transformer has been seismically tested.	1-EE-ST-1H 1-EE-ST-1H1 1-EE-ST-1J 1-EE-ST-1J1 2-EE-ST-2H 2-EE-ST-2H1 2-EE-ST-2J 2-EE-ST-2J1	Further inspection and review will be performed to verify anchorage adequacy and/or load path. The gap between friction clips and base channel will be closed via modification, as needed. To tighten the nuts, a work order has been issued to the Station.

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	PREVIOUS RESOLUTION PLAN FROM MAY 27, 1997 SUMMARY REPORT **COMPLETED RESOLUTION (BOLD)**
3. cont.	(b) The transformer anchorage and/or load-path to the adjacent cabinets, which are bolted to the transformer cabinet, require additional review. (c) The nuts for the bolts connecting the transformer coils to the base channels may need to be tightened for transformers 2-EE-ST-2J and 2-EE-ST-2J1.		**A calculation (CE-1394), and a Design change (DC 98-002) were prepared to enhance the anchorage of the transformers. The design change has been implemented for all eight transformers by welding the lower toe of the existing 6" channels on which the coils are mounted, along the length, to the existing embedded steel in the floor. The nuts for bolts connecting the coils to base channel have been tightened for transformers 2-EE-ST-2J, 2J1.** **This outlier/issue is therefore resolved.**
4	Cabinets contain essential relays and have the potential of side-to-side impact with adjacent cabinets	1-EI-CB-08B 2-EI-CB-08B 1-EE-EG-01C 1-EE-EG-02C 1-EE-EG-03C 1-EE-EG-04C	The cabinets will be bolted with adjacent cabinets to prevent potential impact. **For cabinets 1-EI-CB-08B and 2-EI-CB-08B, a Design Change (DC No. 99-005) was issued to the Station to connect these cabinets to the adjacent cabinets. This design change was implemented by bolting pieces of angle sections to these panels and to the adjacent panels at the top. This eliminates any impact loading.** **For cabinets 1-EE-EG-01C, 02C, 03C, 04C in the EDG rooms, an Engineering Transmittal (ET CEM 99-0033) was written to connect them to the adjacent MCCs using Tube Steel section and threaded rods at the top. This modification has been completed under Work Orders 00420959-01/02/03/04. The cabinets and the MCCs will act as a single unit in a seismic event and any seismic interaction is eliminated** **This outlier/issue is therefore resolved.**
5	A space heater is	1-EG-B-01A	The requirement for the space heater in

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	suspended on long rod hangers over the battery chargers and near the batteries in the EDG room. Swaying of the heater during a seismic event may break the connecting steam/condensate line and spray the batteries.	1-EG-B-03C 2-EG-B-02B 2-EG-B-04D	the EDG room will be reviewed, and if required the heaters will be laterally restrained to the adjacent concrete walls. **In a subsequent walkdown performed by two Seismic Capability Engineers, it was determined that the space heaters have rigid pipe connections, which would prevent the heaters from swaying in a seismic event. In one location where the connected pipe is flexible, the rod-hung heater is far removed from the batteries and the battery chargers. Thus, the concern of spray over the battery chargers or batteries is not considered credible.** **This outlier/issue is therefore resolved.**
6	A clamp support on an adjacent unistrut is close to the flow switch and has a potential for interaction.	1-HV-FS-1215B	Engineering transmittal CEM-97-0012, and Work Order no. 008954 have been written to move the clamp assembly about 1" away. **The clamp assembly has been moved about 1" by Work Order 00362829 to prevent any potential interaction.** **This outlier/issue is therefore resolved.**
7 7.	Potential interaction exists between valve operator limit switch support bracket and platform support beam. The valve has cast iron yoke.	2-FW-FCV-2479	Further review of the operator displacement is planned. If required, the existing support beam will be notched to clear the interference. **An Engineering Transmittal (ET CEM 99-0017) was written to the Station to provide instructions to get adequate clearance between the limit switch bracket and the platform steel, by grinding the limit switch bracket or by other means. This task was completed and a subsequent walkdown by Seismic Capability Engineers showed that the limit switch bracket has been notched to provide sufficient**

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cont.			**clearance.** **This outlier/issue is therefore resolved.**
8	Pressure gauge/regulator assembly which is mounted to a valve operator is approximately 5/8" away from post for adjacent handrail	2-RH-FCV-2605	Further review of the operator displacement is planned. If required, the handrail will be moved away from valve operator **The review of the existing analysis of the valve/piping system indicated that, because of a simple modeling method used, the displacements at the valve-operator location were not available. However, for other valves in this system, which are heavier, the maximum displacement was 0.15", based on a response spectrum analysis performed with 1% damped spectra. From this review, it was judged that there is sufficient gap between the pressure gauge/regulator and the adjacent handrail to preclude a seismic interaction. Further, as stated in the report, "Use of Seismic Experience and Test Data to Show Ruggedness of Equipment in Nuclear Power Plants", prepared by the Senior Seismic Review and Advisory Panel (SSRAP), February 1991, failure of air-operated valves from impact is rare in earthquake experience and credible only when these valves are supported on very flexible piping.** **This outlier/issue is therefore resolved.**

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9	Valve operator cantilever length exceeds limits of Figure B.7-1 of the GIP	1-RC-PCV-1455C 1-RC-PCV-1456	Further review of the valve/yoke is planned. **The valves were determined to be flexible (natural frequency <10 hz). The piping analysis was revised with an updated valve model that reflected the natural frequency, and the acceleration responses at the center of gravity of the extended structure of both these valve were obtained. Valve critical components were analyzed using these accelerations, and the stresses were found to be within the allowable values.** **This outlier/issue is therefore resolved.**

ATTACHMENT 2

Screening Verification Data Sheets (SVDSs) – USI A-46 Supplemental Certification and Approval

North Anna 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., after May 27, 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 May 27, 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:

Name/Initials	Signatures	Date
Divakar Bhargava (DB)	DBhargava	3-22-2000
Kamal N. Mehrotra (KNM)	Kamal N Mehrotra	3-22-2000

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
1	4211A3	0	1-FW-FY-1479	ELECTRO-PNEUMATIC CONTROLLER	SB	294'	D/4	294'	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	O/R21	CGR,KNM
2	4211B3	0	1-FW-FY-1489	ELECTRO-PNEUMATIC CONTROLLER	SB	294'	D/4	294'	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	O/R21	CGR,KNM
3	4211C3	0	1-FW-FY-1499	ELECTRO-PNEUMATIC CONTROLLER	SB	294'	D/4	294'	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	O/R21	CGR,KNM
4	5476	0	1-HV-SAD-1H*	HV/DG ROOM 1H SUPPLY AIR DAMPER	SB	272'	14/E	290'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	O/R2	DB,DPM
5	5478	0	1-HV-SAD-1J*	HV/DG ROOM 1J SUPPLY AIR DAMPER	SB	272'	16/E	290'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	O/R2	DB,DPM
6	5477	0	2-HV-SAD-2H*	HV/DG ROOM 2H SUPPLY AIR DAMPER	SB	272'	15/E	290'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	O/R2	DB,DPM
7	5479	0	2-HV-SAD-2J*	HV/DG ROOM 2J SUPPLY AIR DAMPER	SB	272'	17/E	290'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	O/R2	DB,DPM
8	9999A	0	CR CEILING	CONTROL ROOM CEILING	SB	277'	CR	290	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R48	DB, RDC
9	5603A	0	JB-2661	/JUNCTION BOX	QSPH	259'	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM
10	5603B	0	JB-2662	/JUNCTION BOX	QSPH	259'	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM
11	5603C	0	JB-2663	/JUNCTION BOX	QSPH	259	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM
12	5603D	0	JB-2664	/JUNCTION BOX	QSPH	259'	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM
13	5603E	0	JB-2665	/JUNCTION BOX	QSPH	259'	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM
14	5603F	0	JB-2666	/JUNCTION BOX	QSPH	259'	4.5/GB	259'	Y	DOC	CRS	Y	N/A	Y	Y	Y	O/R30	CGR,KNM

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
15	6015	01	1-EP-MC-10	EP/EMERGENCY MCC 1H1-1	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
16	6022	01	1-EP-MC-11	EP/EMERGENCY MCC 1J1-1	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
17	6021	01	1-EP-MC-12	EP/EMERGENCY MCC 1H1-1A	EDG	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
18	6027	01	1-EP-MC-13	EP/EMERGENCY MCC 1J1-1A	EDG	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
19	6020	01	1-EP-MC-19	EP/EMERGENCY MCC 1H1-2N	AUX	260'	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
20	6017	01	1-EP-MC-20	EP/EMERGENCY MCC 1H1-2S	AUX	260'	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
21	6024	01	1-EP-MC-21	EP/EMERGENCY MCC 1J1-2N	AUX	260'	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R27	TWH,SEZ
22	6023	01	1-EP-MC-22	EP/EMERGENCY MCC 1J1-2S	AUX	260'	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R27	TWH,SEZ
23	6018	01	1-EP-MC-32	EP/EMERGENCY MCC 1H1-3	SWPH	328'	--	328'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
24	6025	01	1-EP-MC-33	EP/EMERGENCY MCC 1J1-3	SWPH	328'	--	328'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
25	6016	01	1-EP-MC-41	EP/EMERGENCY MCC 1H1-4	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
26	6019	01	1-EP-MC-50	EP/EMERGENCY MCC 1H1-3A	SWVH	326'	--	326'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
27	6026	01	1-EP-MC-51	EP/EMERGENCY MCC 1J1-3A	SWVH	326'	--	326'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
28	1252	02	1-EE-BKR-BYA	CR*/REACTOR TRIP BREAKER BYPASS A	AUX	280'	RCD	280'	Y	DOC/GERS	CRS	Y	Y	Y	Y	Y	O/R13, O/R18	DB,DPM

Date:03/22/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
29	1253	02	1-EE-BKR-BYB	CR*/REACTOR TRIP BREAKER BYPASS B	AUX	280'	RCD	280'	Y	DOC/GE RS	CRS	Y	Y	Y	Y	Y	O/R13, O/R18	DB,DPM
30	1250	02	1-EE-BKR-RTA	CR*/REACTOR TRIP BREAKER A	AUX	280'	RCD	280'	Y	DOC/GE RS	CRS	Y	Y	Y	Y	Y	O/R13, O/R18	DB,DPM
31	1251	02	1-EE-BKR-RTB	CR*/REACTOR TRIP BREAKER B	AUX	280'	RCD	280'	Y	DOC/GE RS	CRS	Y	Y	Y	Y	Y	O/R13, O/R18	DB,DPM
32	6011	02	1-EE-SS-01	EE/480V EMERGENCY BUS 1H	SB	254'	9/C	254'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
33	6013	02	1-EE-SS-02	EE/480V EMERGENCY BUS 1J	SB	254'	8/C	254'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
34	6012	02	1-EE-SS-03	EE/480V EMERGENCY BUS 1H1	AUX	280'	RCD	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	2, 14	DB,DPM
35	6014	02	1-EE-SS-04	EE/480V EMERGENCY BUS 1J1	AUX	280'	RCD	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	DB,DPM
36	6005	03	1-EE-SW-01	EE/4KV EMERGENCY BUS 1H (ORANGE)	SB	254'	7/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
37	6006	03	1-EE-SW-02	EE/4KV EMERGENCY BUS 1J (PURPLE)	SB	254'	8/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
38	6007	04	1-EE-ST-1H	EE/4160/480 SERVICE TRANSFORMER 1H	SB	254'	9/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R42	DB,DPM
39	6008	04	1-EE-ST-1H1	EE/4160/480 SERVICE TRANSFORMER 1H1	AUX	280'	RCD	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R42, 14	DB,DPM
40	6009	04	1-EE-ST-1J	EE/4160/480 SERVICE TRANSFORMER 1J	SB	254'	8/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R42	DB,DPM
41	6010	04	1-EE-ST-1J1	EE/4160/480 SERVICE TRANSFORMER 1J1	AUX	280'	RCD	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R42, 14	DB,DPM
42	5551	04	1-EE-TRAN-11N	/HEAT TRACE TRANSFORMER	AUX	269'	11/M	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
43	5552	04	1-EE-TRAN-11R	/HEAT TRACE TRANSFORMER	AUX	269'	--	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
44	5553	04	1-EE-TRAN-12N	/HEAT TRACE TRANSFORMER	AUX	269'	--	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
45	5554	04	1-EE-TRAN-12R	/HEAT TRACE TRANSFORMER	AUX	269'	--	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
46	5555	04	1-EE-TRAN-13N	/HEAT TRACE TRANSFORMER	AUX	284'	10/L	284'	N	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
47	5556	04	1-EE-TRAN-13R	/HEAT TRACE TRANSFORMER	AUX	284'	8.7/G	284'	N	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
48	5557	04	1-EE-TRAN-14N	/HEAT TRACE TRANSFORMER	AUX	269'	9/LM	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
49	5558	04	1-EE-TRAN-14R	/HEAT TRACE TRANSFORMER	AUX	269'	9.7/LM	269'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
50	5559	04	1-EE-TRAN-41N	/HEAT TRACE TRANSFORMER	AFPH	271'	--	281'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
51	5560	04	1-EE-TRAN-41R	/HEAT TRACE TRANSFORMER	AFPH	271'	--	281'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
52	6028	04	1-EP-TRAN-79A	EP/480/120 VOLT. REG. TRANSFORMER (79A)	SB	252'	9/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,JJ
53	6029	04	1-EP-TRAN-79B	EP/480/120 VOLT. REG. TRANSFORMER (79B)	SB	252'	9/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,JJ
54	6030	04	1-EP-TRANS-80	EP/480/240 VOLT. REG. TRANSFORMER (80)	SB	252'	9/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,JJ
55	6031	04	TRANS-118*	EP/480/120 SEMI-VITAL TRANSFORMER (118)	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
56	6033	04	TRANS-119*	EP/480/120 SEMI-VITAL TRANSFORMER (119)	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
57	6032	04	TRANS-70*	EP/480/120 SEMI-VITAL TRANSFORMER (70)	SB	277'	8/D	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
58	6034	04	TRANS-71*	EP/480/120 SEMI-VITAL TRANSFORMER (71)	SB	277'	8/D	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
59	5001	05	1-CC-P-1A	CC/COMPONENT COOLING WATER PUMP	AUX	245'	8.7/GH	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,SEZ
60	5005	05	1-CC-P-1B	CC/COMPONENT COOLING WATER PUMP	AUX	245'	8.7/GH	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,SEZ
61	1059	05	1-CH-P-1A	CH/CENTRIFUGAL CHARGING PUMP A; (CCP A)	AUX	245'	9.5/J	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,SEZ
62	1060	05	1-CH-P-1B	CH/CENTRIFUGAL CHARGING PUMP B; (CCP B)	AUX	245'	9.5/J	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,SEZ
63	1061	05	1-CH-P-1C	CH/CENTRIFUGAL CHARGING PUMP C; (CCP C)	AUX	245'	9.5/J	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,SEZ
64	1161	05	1-CH-P-2A	CH/BORIC ACID TRANSFER PUMP (BATP)	AUX	261'	9.5/HJ	261'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
65	1162	05	1-CH-P-2B	CH/BORIC ACID TRANSFER PUMP (BATP)	AUX	261'	9.5/HJ	261'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
66	5482	05	1-EG-P-1HA	EG/EDG 1H LEAD FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
67	5483	05	1-EG-P-1HB	EG/EDG 1H STANDBY FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
68	5484	05	1-EG-P-1JA	EG/EDG 1J LEAD FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
69	5485	05	1-EG-P-1JB	EG/EDG 1J STANDBY FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
70	4140	05	1-FW-P-2	FW/TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP (TDAFWP)	AFPH	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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71	4133	05	1-FW-P-3A	FW/MOTOR-DRIVEN AUXILIARY FEEDWATER PUMP (MDAFWP)	AFPH	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
72	4127	05	1-FW-P-3B	FW/MOTOR-DRIVEN AUXILIARY FEEDWATER PUMP (MDAFWP)	AFPH	275'	--	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
73	5486	05	2-EG-P-2HA	EG/EDG 2H LEAD FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
74	5487	05	2-EG-P-2HB	EG/EDG 2H STANDBY FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
75	5488	05	2-EG-P-2JA	EG/EDG 2J LEAD FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
76	5489	05	2-EG-P-2JB	EG/EDG 2J STANDBY FO TRANSFER PUMP	FOPH	270'	--	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
77	5449C	06	1-HV-P-20A	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
78	5449I	06	1-HV-P-20B	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM 5/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
79	5449Z2	06	1-HV-P-20C	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM 5/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
80	5428	06	1-HV-P-22A	HV/CR & RR WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
81	5429	06	1-HV-P-22B	HV/CR & RR WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
82	5430	06	1-HV-P-22C	HV/CR & RR WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
83	4246	06	1-RH-P-1A	RH/RHR PUMP A	CONTMT	231'	RHR Flat	231'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
84	4249	06	1-RH-P-1B	RH/RHR PUMP B	CONTMT	231'	RHR Flat	231'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
85	5159	06	1-SW-P-1A	SW/SERVICE WATER PUMP A	SWPH	328'	SWPH	328'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	21	CGR,KNM
86	5160	06	1-SW-P-1B	SW/SERVICE WATER PUMP B	SWPH	328'	SWPH	328'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	21	CGR,KNM
87	5161	06	2-SW-P-1A	SW/SERVICE WATER PUMP A	SWPH	328'	SWPH	328'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	15, 21	CGR,KNM
88	5162	06	2-SW-P-1B	SW/SERVICE WATER PUMP B	SWPH	328'	SWPH	328'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	21	CGR,KNM
89	4210A	07	1-FW-FCV-1478	FLOW CONTROL TO S/G 1A	SB	294'	4/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
90	4211A	07	1-FW-FCV-1479	A MFW REG VALVE BYPASS FLOW CONTROL VALVE	SB	294'	3/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
91	4210B	07	1-FW-FCV-1488	FLOW CONTROL TO S/G 1B	SB	294'	4/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
92	4211B	07	1-FW-FCV-1489	B MFW REG VALVE BYPASS FLOW CONTROL VALVE	SB	294'	3/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
93	4210C	07	1-FW-FCV-1498	FLOW CONTROL TO S/G 1C	SB	294'	4/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
94	4211C	07	1-FW-FCV-1499	C MFW REG VALVE BYPASS FLOW CONTROL VALVE	SB	294'	3/D	294'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	CGR,KNM
95	4169	07	1-FW-HCV-100A	FW/AFWP HEADER TO SG A	AFPH	275'	--	275'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
96	4166	07	1-FW-HCV-100B	FW/AFWP HEADER TO SG B	AFPH	275'	--	275'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
97	4145	07	1-FW-PCV-159A	FW/AFWP TO SG B CONTROL VALVE	AFPH	271'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
98	4150	07	1-FW-PCV-159B	FW/AFWP TO SG C CONTROL VALVE	AFPH	271'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
99	2038	07	1-GN-PCV-125A-1	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9.1	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
100	2039	07	1-GN-PCV-125A-2	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9.1	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
101	2035	07	1-GN-PCV-125A-3	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y	O/R4	DB,DPM
102	2036	07	1-GN-PCV-125B-1	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
103	2037	07	1-GN-PCV-125B-2	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
104	2034	07	1-GN-PCV-125B-3	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	9	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y	O/R4	DB,DPM
105	1240	07	1-HRS-TV-1623	HRS/RC COLD LEG SAMPLE COOLER ISOL	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
106	1226	07	1-HRS-TV-1625	HRS/HOT LEG SAMPLE COOLER INLET ISOL	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
107	4268	07	1-HRS-TV-1627	HRS/SAMPLING SYSTEM ISOL	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
108	4014	07	1-MS-PCV-101A	MS/SG A ATMOSPHERIC STEAM DUMP VALVE	MSVH	306'	4.5/GA	306'	N	BS	GRS	Y	Y	N/A	Y	Y	14	TWH,SEZ
109	4040	07	1-MS-PCV-101B	MS/SG B ATMOSPHERIC STEAM DUMP VALVE	MSVH	306'	4/GD	306'	N	BS	GRS	Y	Y	N/A	Y	Y	14	TWH,SEZ
110	4066	07	1-MS-PCV-101C	MS/SG C ATMOSPHERIC STEAM DUMP VALVE	MSVH	308'	4.5/Gb	306'	N	BS	GRS	Y	Y	N/A	Y	Y	14	TWH,SEZ
111	4017	07	1-MS-TV-101A	MS/SG A MSIV	MSVH	285'	5.5/GB	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS
112	4043	07	1-MS-TV-101B	MS/SG B MSIV	MSVH	285'	4.5/GB	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
113	4069	07	1-MS-TV-101C	MS/SG C MSIV	MSVH	285'	5/GB	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS
114	4083	07	1-MS-TV-111A	MS/TDAFW STEAM ADMISSION	MSVH	274'	5.5	274'	Y	BS	GRS	Y	Y	N/A	Y	Y		TWH,SEZ
115	4085	07	1-MS-TV-111B	MS/TDAFW STEAM ADMISSION	MSVH	274'	5.5	274'	Y	BS	GRS	Y	Y	N/A	Y	Y		TWH,SEZ
116	4099	07	1-MS-TV-115	MS/TDAFW TRIP VALVE	MSVH	274'	--	274'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	38	TWH,SEZ
117	2020	07	1-RC-PCV-1455C	RC/PZR PORV	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	Y	N/A	Y	Y	49, O/R43	TWH,SEZ
118	2024	07	1-RC-PCV-1456	RC/PZR PORV	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	Y	N/A	Y	Y	49, O/R43	TWH,SEZ
119	4259	07	1-RH-FCV-1605	RH/RHR HX BYPASS	CONTMT	234'	5	228'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
120	4257	07	1-RH-HCV-1758	RH/RHR HX OUTLET	CONTMT	228'	5	228'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
121	5091	08A	1-CC-MOV-100A	CC/RHR HX OUTLET CONTROL VALVE	CONTMT	243'	7	243'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
122	5099	08A	1-CC-MOV-100B	CC/RHR HX OUTLET CONTROL VALVE	CONTMT	243'	7	243'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
123	3045	08A	1-CH-MOV-1115B	CH/RWST TO CCP INLET ISOL	AUX	244'	7.6/J	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
124	3044	08A	1-CH-MOV-1115D	CH/RWST TO CCP INLET ISOL	AUX	244'	7.6/J	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
125	1179	08A	1-CH-MOV-1350	CH/EMERGENCY BORATE VALVE	AUX	274'	8.5/J	276'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
126	4172	08A	1-FW-MOV-100A	FW/AFWP HEADER TO SG A	AFPH	275'	--	278'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
127	4165	08A	1-FW-MOV-100C	FW/AFWP HEADER TO SG C	AFPH	275'	--	278'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
128	3017	08A	1-RC-MOV-1535	RC/PORV BLOCK VALVE	CONTMT	308'	9.4	310'	N	GERS/DOC	CRS	Y	Y	N/A	Y	Y		DB,DPM
129	3018	08A	1-RC-MOV-1536	RC/PORV BLOCK VALVE	CONTMT	308'	9.2	310'	N	GERS/DOC	CRS	Y	Y	N/A	Y	Y		DB,DPM
130	4244	08A	1-RH-MOV-1700	RH/RHR PUMP SUCTION ISOL	CONTMT	241'	2	241'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
131	4245	08A	1-RH-MOV-1701	RH/RHR PUMP SUCTION ISOL	CONTMT	236'	4	236'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
132	4271	08A	1-RH-MOV-1720A	RH/RHR RETURN ISOL LOOP 2	CONTMT	216'	12	228'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
133	4272	08A	1-RH-MOV-1720B	RH/RHR RETURN ISOL LOOP 3	CONTMT	216'	7.5	228'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
134	2048	08A	1-SI-MOV-1865A	SI/ACCUM OUTLET ISOL	CONTMT	216'	15	221'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	CGR,KNM
135	4275	08A	1-SI-MOV-1865B	SI/ACCUM OUTLET ISOL	CONTMT	216'	13	221'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	CGR,KNM
136	4278	08A	1-SI-MOV-1865C	SI/ACCUM OUTLET ISOL	CONTMT	216'	8	221'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	CGR,KNM
137	5175	08A	1-SW-MOV-101A	SW/UNIT 1 RECIRC SPRAY HX ISOL	QSPH	265'	NOTE 1K	265'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
138	5176	08A	1-SW-MOV-101B	SW/UNIT 1 RECIRC SPRAY HX ISOL	QSPH	265'	NOTE 1K	265'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
139	5177	08A	1-SW-MOV-101C	SW/UNIT 1 RECIRC SPRAY HX ISOL	QSPH	265'	NOTE 1K	265'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
140	5178	08A	1-SW-MOV-101D	SW/UNIT 1 RECIRC SPRAY HX ISOL	QSPH	265'	NOTE 1K	265'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM

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141	5211	08A	2-SW-MOV-201A	SW/UNIT 2 RECIRC SPRAY HX ISOL	QSPH	256'	QSPH	256'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
142	5212	08A	2-SW-MOV-201B	SW/UNIT 2 RECIRC SPRAY HX ISOL	QSPH	256'	QSPH	256'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
143	5213	08A	2-SW-MOV-201C	SW/UNIT 2 RECIRC SPRAY HX ISOL	QSPH	256'	QSPH	256'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
144	5214	08A	2-SW-MOV-201D	SW/UNIT 2 RECIRC SPRAY HX ISOL	QSPH	256'	QSPH	256'	Y	ABS	CRS	N	Y	N/A	Y	Y	17, O/R22	CGR,KNM
145	4210A1	08B	1-FW-SOV-1478-1	SOLENOID OPERATED VALVE	SB	294'	4/D, MER#1	294'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
146	4210A2	08B	1-FW-SOV-1478-2	SOLENOID OPERATED VALVE	SB	294'	4/D, MER#1	294'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
147	4211A1	08B	1-FW-SOV-1479-1	SOLENOID OPERATED VALVE	SB	294'	3/D, MER#1	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36	CGR,KNM
148	4211A2	08B	1-FW-SOV-1479-2	SOLENOID OPERATED VALVE	SB	294'	3/D, MER#1	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36	CGR,KNM
149	4210B1	08B	1-FW-SOV-1488-1	SOLENOID OPERATED VALVE	SB	294'	4/D	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
150	4210B2	08B	1-FW-SOV-1488-2	SOLENOID OPERATED VALVE	SB	294'	4/D	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
151	4211B1	08B	1-FW-SOV-1489-1	SOLENOID OPERATED VALVE	SB	294'	3/D	294'	N	GERS	CRS	Y	Y	N/A	Y	Y	36	CGR,KNM
152	4211B2	08B	1-FW-SOV-1489-2	SOLENOID OPERATED VALVE	SB	294'	3/D	294'	N	GERS	CRS	Y	Y	N/A	Y	Y	36	CGR,KNM
153	4210C1	08B	1-FW-SOV-1498-1	SOLENOID OPERATED VALVE	SB	294'	4/D, MER#1	294'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
154	4210C2	08B	1-FW-SOV-1498-2	SOLENOID OPERATED VALVE	SB	294'	4/D, MER#1	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
155	4211C1	08B	1-FW-SOV-1499-1	SOLENOID OPERATED VALVE	SB	294'	3/D	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36	CGR,KNM
156	4211C2	08B	1-FW-SOV-1499-2	SOLENOID OPERATED VALVE	SB	294'	3/D	294'	N	GERS	CRS	Y	Y	Y	Y	Y	36	CGR,KNM
157	1241	08B	1-HRS-SOV-1623	HRS/RC COLD LEG SAMPLE COOLER ISOL PILOT	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
158	1227	08B	1-HRS-SOV-1625	HRS/HOT LEG SAMPLE COOLER INLET ISOL PILOT	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
159	4269	08B	1-HRS-SOV-1627	HRS/SAMPLING SYSTEM ISOL PILOT	AUX	259'	7.6/K	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
160	4018	08B	1-MS-SOV-101A1	MS/SG A MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
161	4019	08B	1-MS-SOV-101A2	MS/SG A MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
162	4020	08B	1-MS-SOV-101A6	MS/SG A MSIV PILOT VALVE	QSPH	272'	4.5/GB	290'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
163	4021	08B	1-MS-SOV-101A7	MS/SG A MSIV PILOT VALVE	QSPH	272'	4.5/GB	290'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
164	4044	08B	1-MS-SOV-101B1	MS/SG B MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
165	4045	08B	1-MS-SOV-101B2	MS/SG B MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
166	4046	08B	1-MS-SOV-101B6	MS/SG B MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
167	4047	08B	1-MS-SOV-101B7	MS/SG B MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
168	4070	08B	1-MS-SOV-101C1	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
169	4071	08B	1-MS-SOV-101C2	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
170	4072	08B	1-MS-SOV-101C4	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
171	4073	08B	1-MS-SOV-101C5	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
172	4074	08B	1-MS-SOV-101C6	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
173	4075	08B	1-MS-SOV-101C7	MS/SG C MSIV PILOT VALVE	QSPH	272'	4.5/GB	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
174	4084	08B	1-MS-SOV-111A	MS/TDAFW STEAM ADMISSION PILOT	MSVH	252'	5.5	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
175	4086	08B	1-MS-SOV-111B	MS/TDAFW STEAM ADMISSION PILOT	MSVH	252'	5.5	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
176	2021	08B	1-RC-SOV-1455C-1	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
177	2022	08B	1-RC-SOV-1455C-2	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
178	2023	08B	1-RC-SOV-1455C-3	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
179	2026	08B	1-RC-SOV-1456-1	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
180	2027	08B	1-RC-SOV-1456-2	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
181	2028	08B	1-RC-SOV-1456-3	GN/PZR PORV PILOT	CONTMT	308'	9.5	308'	N	DOC	CRS	Y	N/A	Y	Y	Y	27	TWH,SEZ
182	1236	08B	1-SS-TV-102A	SS/COLD LEG SAMPLE HEADER ISOL	CONTMT	241'	8.5	241'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	18	CGR,KNM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
183	1237	08B	1-SS-TV-102B	SS/RC COLD LEG SAMPLE ISOL	AUX	245'	7/K	247'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
184	4264	08B	1-SS-TV-103A	SS/SAMPLING SYSTEM ISOL	CONTMT	241'	7.5	241'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	18	CGR,KNM
185	4265	08B	1-SS-TV-103B	SS/SAMPLING SYSTEM ISOL	AUX	245'		247'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
186	1224	08B	1-SS-TV-106A	SS/HOT LEG SAMPLE HEADER ISOL	CONTMT	241'	8.5	241'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	18	CGR,KNM
187	1225	08B	1-SS-TV-106B	SS/HOT LEG SAMPLE ISOL	AUX	245'	7/K	247'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
188	4262	08B	1-SS-TV-107A	SS/RHR HX OUTLET TO SAMPLING SYSTEM	CONTMT	216'	7	230'	Y	DOC	CRS	Y	N/A	Y	Y	Y	3	DB,DPM
189	4263	08B	1-SS-TV-107B	SS/RHR HX OUTLET TO SAMPLING SYSTEM	CONTMT	241'	4	241'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	18	CGR,KNM
190	1223	08B	1-SS-TV-108D	SS/HOT LEG SAMPLE ISOL	CONTMT	241'	13 B	241'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	18	CGR,KNM
191	1231	08B	1-SS-TV-109A	SS/COLD LEG SAMPLE ISOL	CONTMT	243' CA	1.5 A	243'	Y	DOC	CRS	Y	N/A	Y	Y	Y	3	DB,DPM
192	5432	11	1-HV-E-4A	HV/CHILLER UNIT	SB	254'	AC RM 4/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
193	5433	11	1-HV-E-4B	HV/CHILLER UNIT	SB	254'	AC RM 4/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
194	5434	11	1-HV-E-4C	HV/CHILLER UNIT	SB	254'	AC RM 4/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
195	6057	14	1-BP-SW-1	BP/BY-PASS SWITCH 1 (MANUAL)	SB	277'	9/C	283'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,DPM
196	6058	14	1-BP-SW-2	BP/BY-PASS SWITCH 2 (MANUAL)	SB	277'	9/C	283'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,DPM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
197	6059	14	1-BP-SW-3	BP/BY-PASS SWITCH 3 (MANUAL)	SB	277'	8/C	283'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
198	6060	14	1-BP-SW-4	BP/BY-PASS SWITCH 4 (MANUAL)	SB	277'	8/D	283'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
199	6065	14	1-EP-CB-002	EP/120 AC UNIT I APP-R DIST. PNL (RED)	SB	254'	10/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,EQE
200	6061	14	1-EP-CB-04A	EP/120V VITAL AC 1-I BUS (RED & ORANGE)	SB	277'	9/C	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
201	6062	14	1-EP-CB-04B	EP/120V VITAL AC 1-II BUS (WHITE)	SB	277'	9/C	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
202	6063	14	1-EP-CB-04C	EP/120V VITAL AC 1-III BUS (BLUE & PURPLE)	SB	277'	9/C	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
203	6064	14	1-EP-CB-04D	EP/120V VITAL AC 1-IV BUS (YELLOW)	SB	277'	9/C	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
204	6045	14	1-EP-CB-12A	EP/125V VITAL DC BUS (1-I)	SB	254'	9/C	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
205	6046	14	1-EP-CB-12B	EP/125V VITAL DC BUS (1-II)	SB	254'	9/C	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
206	6047	14	1-EP-CB-12C	EP/125V VITAL DC BUS (1-III)	SB	259'	8/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
207	6048	14	1-EP-CB-12D	EP/125V VITAL DC BUS (1-IV)	SB	254'	8/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
208	6035	14	1-EP-CB-16A	EP/120V SEMI-VITAL AC 1A BUS	SB	277'	8/D	281'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
209	6037	14	1-EP-CB-16B	EP/120V SEMI-VITAL AC 1B BUS	SB	277'	8/D	281'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
210	5571	14	1-EP-CB-41AN	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	1.1/LA	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
211	5583	14	1-EP-CB-41AR	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	1.1/LA	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
212	5572	14	1-EP-CB-41BN	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	1.1/LA	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
213	5584	14	1-EP-CB-41BR	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	1.1/LA	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
214	6049	15	1-BY-B-01	BY/125V BATTERY 1-I	SB	294'	9/C	294'	N	ABS	CRS	Y	Y	Y	Y	Y		KNM,EQE
215	6050	15	1-BY-B-02	BY/125V BATTERY 1-II	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,EQE
216	6051	15	1-BY-B-03	BY/125V BATTERY 1-III	SB	294'	8/DB	294'	N	ABS	CRS	Y	Y	Y	Y	Y		KNM,EQE
217	6052	15	1-BY-B-04	BY/125V BATTERY 1-IV	SB	252'	8/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,EQE
218	6066	15	1-EG-B-01A	AP/EDG BATTERIES AND RACKS	SB	272'	EDG1H	272'	Y	DOC	CRS	Y	N/A	Y	Y	Y	24, O/R45	CGR, RDC
219	6067	15	1-EG-B-03C	AP/EDG BATTERIES AND RACKS	SB	272'	EDG1J	272'	Y	DOC	CRS	Y	N/A	Y	Y	Y	24, O/R45	CGR, RDC
220	6040	16	1-BY-C-02	BY/BATTERY CHARGER 1-I	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
221	6039	16	1-BY-C-03	BY/BATTERY CHARGER 1C-I	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
222	6041	16	1-BY-C-04	BY/BATTERY CHARGER 1-II	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
223	6043	16	1-BY-C-05	BY/BATTERY CHARGER 1-III	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
224	6042	16	1-BY-C-06	BY/BATTERY CHARGER 1C-II	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
225	6044	16	1-BY-C-07	BY/BATTERY CHARGER 1-IV	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
226	6053	16	1-VB-I-01	VB/INVERTER TO VITAL 1-I BUS	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
227	6054	16	1-VB-I-02	VB/INVERTER TO VITAL 1-II BUS	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
228	6055	16	1-VB-I-03	VB/INVERTER TO VITAL 1-III BUS	SB	252'	8/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
229	6056	16	1-VB-I-04	VB/INVERTER TO VITAL 1-IV BUS	SB	252'	8/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R29	TWH,SEZ
230	6001	17	EDG-1H*	AP/EMERGENCY DIESEL GENERATOR 1H	SB	272'	14/D	275'	Y	BS	CRS	Y	Y	Y	Y	Y		CGR, MS
231	6002	17	EDG-1J*	AP/EMERGENCY DIESEL GENERATOR 1J	SB	272'	16/D	275'	Y	BS	CRS	Y	Y	Y	Y	Y		CGR, MS
232	5003	18	1-CC-FT-100A	CC/CCW HX OUTLET FLOW	AUX	259'	8.5/F	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
233	5007	18	1-CC-FT-100B	CC/CCW HX OUTLET FLOW	AUX	259'	8.5/F	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
234	5088	18	1-CC-FT-132A	CC/CC HX FLOW TO RHR HX	CONTMT	216'	7	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
235	5096	18	1-CC-FT-132B	CC/CC HX FLOW TO RHR HX	CONTMT	216'	4.5	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
236	5049	18	1-CC-LT-101	CC/CC SURGE TANK LEVEL	AUX	298'	9/F	298'	N	GERS	CRS	Y	Y	Y	Y	Y	19	CGR,KNM
237	5011	18	1-CC-PT-100	CC/CCW HX OUTLET PRESSURE	AUX	245'	8.5/G	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
238	1177	18	1-CH-FT-1110	CH/BAST TO VCT FLOW	AUX	274'	8.5/JK	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
239	1168	18	1-CH-FT-1113	CH/BAST TO VCT FLOW	AUX	274'	8.5/J	280'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
240	1077	18	1-CH-FT-1122	CH/CHARGING FLOW TO REGEN HX	AUX	245'	12/H	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
241	1099	18	1-CH-FT-1124	CH/RCP SEAL WATER INJECTION FLOW	AUX	244'	8.5/HJ	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
242	1101	18	1-CH-FT-1127	CH/RCP SEAL WATER INJECTION FLOW	AUX	244'	8.5/HJ	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
243	1103	18	1-CH-FT-1130	CH/RCP SEAL WATER INJECTION FLOW	AUX	244'	8.5/HJ	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
244	1142	18	1-CH-LT-1106	CH/BAST A LEVEL	AUX	289'	8.5/G	289'	N	ABS	CRS	Y	Y	Y	Y	Y	14	CGR,KNM
245	1144	18	1-CH-LT-1108	CH/BAST B LEVEL	AUX	289'	9/G	289'	N	GERS	CRS	Y	N/A	Y	Y	Y		CGR,KNM
246	1051	18	1-CH-LT-1112	CH/VCT LEVEL	AUX	274'	9.5/J	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
247	1049	18	1-CH-LT-1115	CH/VCT LEVEL	AUX	274'	9.5/J	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
248	1143	18	1-CH-LT-1161	CH/BAST A LEVEL	AUX	274'	9.4/H	274'	Y	ABS	CRS	Y	Y	Y	Y	Y	34	CGR,KNM
249	1145	18	1-CH-TIC-1107	CH/BAST A TEMPERATURE	AUX	274'	8.5/H	274'	Y	ABS	CRS	Y	N/A	Y	Y	Y		CGR,KNM
250	1147	18	1-CH-TIC-1109	CH/BAST B TEMPERATURE	AUX	274'	9.1/GH	274'	Y	ABS	CRS	Y	N/A	Y	Y	Y		CGR,KNM
251	1146	18	1-CH-TIC-1162	CH/BAST A TEMPERATURE	AUX	274'	9.1/H	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
252	4119	18	1-CN-LT-100A	CN/CONDENSATE STORAGE TANK LEVEL	AFPH	274'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
253	4120	18	1-CN-LT-100B	CN/CONDENSATE STORAGE TANK LEVEL	AFPH	274'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
254	5497	18	1-EG-LS-103-HA	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
255	5498	18	1-EG-LS-103-HB	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
256	5501	18	1-EG-LS-103-JA	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
257	5502	18	1-EG-LS-103-JB	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
258	4174	18	1-FW-FT-100A	FW/AFWP TO SG A FLOW	AFPH	273'	--	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
259	4159	18	1-FW-FT-100B	FW/AFWP TO SG B FLOW	AFPH	273'	--	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
260	4163	18	1-FW-FT-100C	FW/AFWP TO SG C FLOW	AFPH	273'	--	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
261	4182	18	1-FW-LT-1474	FW/SG A LEVEL	CONTMT	263'	2	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
262	4184	18	1-FW-LT-1475	FW/SG A LEVEL	CONTMT	263'	18.5	267'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
263	4186	18	1-FW-LT-1476	FW/SG A LEVEL	CONTMT	263'	1	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
264	4178	18	1-FW-LT-1477	FW/SG A LEVEL	CONTMT	241'	1.5	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	9	DB,DPM
265	4194	18	1-FW-LT-1484	FW/SG B LEVEL	CONTMT	263'	14	267'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
266	4196	18	1-FW-LT-1485	FW/SG B LEVEL	CONTMT	263'	13.2	267'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
267	4198	18	1-FW-LT-1486	FW/SG B LEVEL	CONTMT	263'	14	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
268	4190	18	1-FW-LT-1487	FW/SG B LEVEL	CONTMT	241'	13	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	9, O/R14	DB,DPM
269	4204	18	1-FW-LT-1494	FW/SG C LEVEL	CONTMT	259'	8	267'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
270	4206	18	1-FW-LT-1495	FW/SG C LEVEL	CONTMT	260'	8.3	267'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
271	4208	18	1-FW-LT-1496	FW/SG C LEVEL	CONTMT	260'	8.6	265'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
272	4200	18	1-FW-LT-1497	FW/SG C LEVEL	CONTMT	241' A	8	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	30	TWH,SEZ
273	4144	18	1-FW-PC-159A	FW/PRESSSURE CONTROL	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
274	4149	18	1-FW-PC-159B	FW/PRESSURE CONTROL	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
275	4134	18	1-FW-PI-156A	FW/TDAFWP SUCTION (LOCAL)	AFPH	274'	--	275'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
276	4128	18	1-FW-PI-156B	FW/MDAFWP SUCTION (LOCAL)	AFPH	273'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
277	4122	18	1-FW-PI-156C	FW/MDAFWP SUCTION (LOCAL)	AFPH	273'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
278	4148	18	1-FW-PT-101A	FW/AFWP TO SG B PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
279	4153	18	1-FW-PT-101B	FW/AFWP TO SG C PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
280	4156	18	1-FW-PT-101C	FW/AFWP TO SG A PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
281	4135	18	1-FW-PT-103A	FW/TDAFWP SUCTION PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
282	4129	18	1-FW-PT-103B	FW/MDAFWP SUCTION PRESSURE	AFPH	272'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
283	4123	18	1-FW-PT-103C	FW/MDAFWP SUCTION PRESSURE	AFPH	272'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
284	2040	18	1-GN-PT-134A	GN/N2 RESERVE PRESSURE	CONTMT	291'	9.5	296'	N	GERS	CRS	Y	Y	Y	Y	Y		CGR,KNM
285	2042	18	1-GN-PT-134B	GN/N2 RESERVE PRESSURE	CONTMT	291'	9.5	296'	N	GERS	CRS	Y	Y	Y	Y	Y		CGR,KNM
286	5449G	18	1-HV-FS-1213A	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM 4/C	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
287	5449M	18	1-HV-FS-1213B	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM 5/D	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
288	5449Z6	18	1-HV-FS-1213C	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM 4/C	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
289	5425N	18	1-HV-FS-1215A	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
290	5425P	18	1-HV-FS-1215B	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7, O/R44	DB,DPM
291	5425Q	18	1-HV-FS-1215C	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
292	5444	18	1-HV-PC-1235A	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
293	5445	18	1-HV-PC-1235B	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
294	5446	18	1-HV-PC-1235C	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
295	5425M	18	1-HV-PDS-1228A	HV/CND WTR STRAINER DIFF PRESS	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
296	5425L	18	1-HV-PDS-1228B	HV/CND WTR STRAINER DIFF PRESS	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
297	4007	18	1-MS-PT-101A	MS/SG A STEAM PRESSURE	QSPH	280'	4.5/GB	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
298	4033	18	1-MS-PT-101B	MS/SG B STEAM PRESSURE	QSPH	256'	4.5/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
299	4059	18	1-MS-PT-101C	MS/SG C STEAM PRESSURE	QSPH	256'	3/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
300	4003	18	1-MS-PT-1474	MS/SG A STEAM PRESSURE	QSPH	256'	3/GA	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
301	4005	18	1-MS-PT-1476	MS/SG A STEAM PRESSURE	QSPH	256'	4/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
302	4029	18	1-MS-PT-1485	MS/SG B STEAM PRESSURE	QSPH	256'	3/GA	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
303	4031	18	1-MS-PT-1486	MS/SG B STEAM PRESSURE	QSPH	256'	4/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
304	4055	18	1-MS-PT-1494	MS/SG C STEAM PRESSURE	QSPH	256'	3/GA	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
305	4057	18	1-MS-PT-1496	MS/SG C STEAM PRESSURE	QSPH	256'	4/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
306	4015	18	1-MS-PY-101A	MS/SG A STEAM DUMP VALVE E/P TRANSDUCER	QSPH	272'	4/GB	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
307	4041	18	1-MS-PY-101B	MS/SG B STEAM DUMP VALVE E/P TRANSDUCER	QSPH	272'	4/GB	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
308	4067	18	1-MS-PY-101C	MS/SG C STEAM DUMP VALVE E/P TRANSDUCER	QSPH	272'	4/GA	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
309	3047	18	1-QS-LT-100A	QS/RWST LEVEL	YARD	271'	NOTE 1A	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	6	DB,DPM
310	3048	18	1-QS-LT-100B	QS/RWST LEVEL	YARD	271'	NOTE 1B	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	6	DB,DPM
311	3049	18	1-QS-LT-100C	QS/RWST LEVEL	YARD	271'	NOTE 1A	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	6	DB,DPM
312	3050	18	1-QS-LT-100D	QS/RWST LEVEL	YARD	271'	NOTE 1B	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	6	DB,DPM
313	3030	18	1-RC-LIS-1310	RC/HOT LEG ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
314	3029	18	1-RC-LIS-1311	RC/RV HEAD ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
315	3025	18	1-RC-LIS-1312	RC/SEAL TABLE ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
316	3038	18	1-RC-LIS-1320	RC/HOT LEG ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
317	3039	18	1-RC-LIS-1321	RC/RV HEAD ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
318	3043	18	1-RC-LIS-1322	RC/SEAL TABLE ISOLATOR	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
319	3026	18	1-RC-LT-1310	RC/PLENUM LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
320	3028	18	1-RC-LT-1311	RC/N-RANGE LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
321	3027	18	1-RC-LT-1312	RC/W-RANGE LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
322	3042	18	1-RC-LT-1320	RC/PLENUM LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
323	3040	18	1-RC-LT-1321	RC/N-RANGE LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
324	3041	18	1-RC-LT-1322	RC/W-RANGE LEVEL	AUX	259' 6"	Cable Vault	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
325	3005	18	1-RC-LT-1459	RC/PZR LEVEL	CONTMT	263'	9	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
326	3006	18	1-RC-LT-1460	RC/PZR LEVEL	CONTMT	263'	10	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
327	3007	18	1-RC-LT-1461	RC/PZR LEVEL	CONTMT	263'	9.5	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM
328	3008	18	1-RC-LT-1462	RC/PZR LEVEL	CONTMT	263'	9.5	263'	N	GERS	CRS	Y	Y	Y	Y	Y	22	CGR,KNM
329	2032	18	1-RC-LT-1470	RC/PRT LEVEL	CONTMT	244' 9"	10	253'	Y	BS	GRS	Y	Y	N/A	Y	Y	7	DB,DPM
330	2001	18	1-RC-PT-1402	RC/REACTOR COOLANT WR PRESSURE	CONTMT	241' C	9	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	30	TWH,SEZ
331	2002	18	1-RC-PT-1402-1	RC/REACTOR COOLANT WR PRESSURE	CONTMT	241'	9	241'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
332	2016	18	1-RC-PT-1444	RC/PZR PRESSURE	CONTMT	263'	9.5	263'	N	GERS	CRS	Y	Y	Y	Y	Y	22	CGR,KNM
333	2018	18	1-RC-PT-1445	RC/PZR PRESSURE	CONTMT	263'	10	263'	N	ABS	CRS	Y	Y	Y	Y	Y	14	DB,DPM
334	2010	18	1-RC-PT-1455	RC/PZR PRESSURE	CONTMT	263'	9.2	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
335	2012	18	1-RC-PT-1456	RC/PZR PRESSURE	CONTMT	263'	9.5	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	CGR,KNM
336	2014	18	1-RC-PT-1457	RC/PZR PRESSURE	CONTMT	263'	10	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	8	DB,DPM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
337	2030	18	1-RC-PT-1472	RC/PRT PRESSURE	CONTMT	241'	8	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	30	TWH,SEZ
338	4258	18	1-RH-E/P-HCV-1758	RH/RHR HX OUTLET E/P	CONTMT	218'	5.5	218'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
339	4260	18	1-RH-FT-1605	RH/RHR HX OUTLET FLOW	CONTMT	217'	5.5	217'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
340	4252	18	1-RH-PIC-1602	RH/RHR PUMPS DISCHARGE PRESSURE	CONTMT	234'	5	234'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R28	TWH,SEZ
341	4243	18	1-RH-PT-1403	RH/RHR PUMP INLET PRESSURE	CONTMT	216' 11"	4.2	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
342	5239	18	1-SW-FS-102A	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	8/K	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
343	5243	18	1-SW-FS-102B	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	8.5/K	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
344	5247	18	1-SW-FS-102C	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	9/K	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
345	5340	18	1-SW-FT-103	SW/SW RETURN HEADER FLOW	SWVH	325'	NOTE 1I	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
346	5346	18	1-SW-FT-104	SW/SW RETURN HEADER FLOW	SWVH	325'	IRR #1	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
347	5260	18	1-SW-FT-109A	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	8/H	247'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
348	5261	18	1-SW-FT-109B	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	8.5/F	247'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
349	5336	18	1-SW-FT-110	SW/SW HEADER TO VALVE HOUSE FLOW	SWVH	325'	NOTE 1H	325'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
350	5342	18	1-SW-FT-111	SW/SW HEADER TO VALVE HOUSE FLOW	SWVH	325'	NOTE 1H	325'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
351	5163	18	1-SW-PT-101A	SW/SW PUMP DISCHARGE PRESSURE	SWPH	328'	--	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
352	5165	18	1-SW-PT-101B	SW/SW PUMP DISCHARGE PRESSURE	SWPH	328'	--	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
353	5288	18	1-SW-TIC-102A	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	8/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
354	5289	18	1-SW-TIC-102B	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	8.5/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
355	5290	18	1-SW-TIC-102C	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	9/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
356	5505	18	2-EG-LS-203-HA	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
357	5506	18	2-EG-LS-203-HB	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
358	5509	18	2-EG-LS-203-JA	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
359	5510	18	2-EG-LS-203-JB	EG/FUEL OIL DAY TANK LEVEL	SB	270'	DG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
360	5251	18	2-SW-FS-202A	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	9/K	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
361	5255	18	2-SW-FS-202B	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	9/K	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
362	5259	18	2-SW-FS-202C	SW/CCP SEAL & GEAR BOX COOLER FLOW	AUX	244'	9/K	248'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
363	5167	18	2-SW-PT-201A	SW/SW PUMP DISCHARGE PRESSURE	SWPH	328'	--	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
364	5169	18	2-SW-PT-201B	SW/SW PUMP DISCHARGE PRESSURE	SWPH	328'	--	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
365	5312	18	2-SW-TIC-202A	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	9.2/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
366	5313	18	2-SW-TIC-202B	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	9.5/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
367	5314	18	2-SW-TIC-202C	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	10/K	244'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
368	5321	18	2-SW-TT-203A	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	9/J	246'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
369	5322	18	2-SW-TT-203B	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	9.5/J	246'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
370	5323	18	2-SW-TT-203C	SW/CCP LUBE OIL COOLER CONTROL	AUX	244'	10/J	246'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
371	5009	19	1-CC-TE-100	CC/CCW HX OUTLET TEMP	AUX	244'	8.3/G	257'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
372	5086	19	1-CC-TE-101A	CC/CCW PUMPS SUCTION HEADER TEMP	AUX	244'	8.5/H	257'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
373	5087A	19	1-CC-TE-101B	CC/CCW PUMPS SUCTION HEADER TEMP	AUX	244'	8.5/H	257'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
374	5094	19	1-CC-TE-149A	CC/RHR HX COOLING WATER OUTLET TEMP	AUX	244'	7/KL	254'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
375	5102	19	1-CC-TE-149B	CC/RHR HX COOLING WATER OUTLET TEMP	AUX	244'	7/KL	254'	Y	ABS	CRS	Y	Y	N/A	Y	Y		SEZ,TWH
376	5118	19	1-CC-TE-150A	CC/RHR PUMP SEAL COOLER OUTLET TEMP	CONTMT	231'	6	236'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
377	5119	19	1-CC-TE-150B	CC/RHR PUMP SEAL COOLER OUTLET TEMP	CONTMT	231'	6	236'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
378	1082	19	1-CH-TE-1123	CH/REGEN HX OUTLET CHARGING TEMP	CONTMT	241'	11	243'	Y	ABS	CRS	Y	Y	N/A	Y	Y	10	DB,DPM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
379	3034	19	1-RC-TE-1313	RC/RVLIS TEMP	CONTMT	291'	4	291'	N	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
380	3033	19	1-RC-TE-1314	RC/RVLIS TEMP	CONTMT	274'	5	282'	N	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
381	3031	19	1-RC-TE-1315	RC/RVLIS TEMP	CONTMT	259'	9	259'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
382	3032	19	1-RC-TE-1316	RC/RVLIS TEMP	CONTMT	259'	5	260'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
383	3021	19	1-RC-TE-1317	RC/RVLIS IN-CORE THIMBLE	CONTMT	216'	4	216'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
384	3023	19	1-RC-TE-1318	RC/RVLIS THIMBLE TO BELLOWS LINE	CONTMT	244'	4	242'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
385	3035	19	1-RC-TE-1323	RC/RVLIS TEMP	CONTMT	291'	4	291'	N	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
386	3036	19	1-RC-TE-1324	RC/RVLIS TEMP	CONTMT	284'	5	282'	N	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
387	3037	19	1-RC-TE-1325	RC/RVLIS TEMP	CONTMT	259'	3	260'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	25	TWH,SEZ
388	3022	19	1-RC-TE-1327	RC/RVLIS IN-CORE THIMBLE	CONTMT	244'	4	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
389	3024	19	1-RC-TE-1328	RC/RVLIS IN-CORE THIMBLE	CONTMT	244'	4	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
390	4281	19	1-RC-TE-1410	RC/LOOP 1 COLD LEG TEMP (T-COLD)	CONTMT	244'	18.7	256'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ
391	4280	19	1-RC-TE-1413	RC/LOOP 1 HOT LEG TEMP (T-HOT)	CONTMT	244'	2	255'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ
392	4285	19	1-RC-TE-1420	RC/LOOP 2 COLD LEG TEMP (T-COLD)	CONTMT	244'	13	255'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
393	4284	19	1-RC-TE-1423	RC/LOOP 2 HOT LEG TEMP (T-HOT)	CONTMT	244'	14	255'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ
394	4289	19	1-RC-TE-1430	RC/LOOP 3 COLD LEG TEMP (T-COLD)	CONTMT	244'	7	257'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ
395	4288	19	1-RC-TE-1433	RC/LOOP 3 HOT LEG TEMP (T-HOT)	CONTMT	257'	8	257'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	28	TWH,SEZ
396	4254	19	1-RH-TE-1604	RH/RHR HX INLET TEMPERATURE	CONTMT	231'	5	234'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
397	4261	19	1-RH-TE-1606	RH/RHR HX OUTLET TEMPERATURE	CONTMT	216'	7	228'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
398	5330	19	1-SW-TE-106	SW/SW HEADER TO VALVE HOUSE TEMP	SWVH	321'	SWVH	321'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
399	5333	19	1-SW-TE-107	SW/SW HEADER TO VALVE HOUSE TEMP	SWVH	326'	SWVH	321'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
400	5550I	20	1-EE-EG-01C	EG/CRE PANEL 1H	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R50	SEZ,EQE
401	5550K	20	1-EE-EG-02C	EG/CRE PANEL 2H	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R50	SEZ,EQE
402	5550J	20	1-EE-EG-03C	EG/CRE PANEL 1J	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R50	SEZ,EQE
403	5550L	20	1-EE-EG-04C	EG/CRE PANEL 2J	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R50	SEZ,EQE
404	6100	20	1-EG-P-1H	EDG CONTROL PANEL	SB	270'	EDG	282'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
405	6101	20	1-EG-P-1J	EDG CONTROL PANEL	SB	270'	EDG	282'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
406	5377	20	1-EI-CB-01	EI/BENCH BOARD 1-1	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
407	5378	20	1-EI-CB-02	EI/BENCH BOARD 1-2	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
408	5379	20	1-EI-CB-03	EI/VERTICAL BOARD 1-1	SB	277'	CR	277'	Y	DOC	CRS	Y	N/A	Y	Y	Y	13	DB,RDC
409	5380	20	1-EI-CB-04	EI/VERTICAL BOARD 1-2	SB	277'	CR	277'	Y	DOC	CRS	Y	N/A	Y	Y	Y	13	DB,RDC
410	5381	20	1-EI-CB-05	EI/VERTICAL BOARD 1-3	SB	277'	CR	277'	Y	DOC	CRS	Y	N/A	Y	Y	Y	13	DB,RDC
411	5382	20	1-EI-CB-06A	EI/AUXILIARY SHUTDOWN PANEL	SB	254'	8/CD	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
412	5383	20	1-EI-CB-06B	EI/AUXILIARY SHUTDOWN PANEL	SB	254'	8/CD	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
413	5479A	20	1-EI-CB-08A	EG/EMERG DG CONTROL PANEL (H-TRAIN)	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,RDC
414	5479B	20	1-EI-CB-08B	EG/EMERG DG CONTROL PANEL (H-TRAIN)	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R46	DB,RDC
415	5418B	20	1-EI-CB-201	EI/DIESEL ISOL PANEL (H-TRAIN)	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR, RDC
416	5183A	20	1-EI-CB-202	EI/EMERG SWGR RM DG ISOL PANEL (H-TRAIN)	SB	254'	7/D	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
417	5387	20	1-EI-CB-21	EI/CONTROL PANEL	SB	277'	LOGIC	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
418	5388	20	1-EI-CB-21A	EI/CONTROL PANEL	SB	277'	8.4/D	287'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,RDC
419	5389	20	1-EI-CB-23A	EI/PROCESS CABINET A	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM
420	5390	20	1-EI-CB-23B	EI/PROCESS CABINET B	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
421	5391	20	1-EI-CB-23C	EI/PROCESS CABINET C	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM
422	5392	20	1-EI-CB-23D	EI/PROCESS CABINET D	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
423	5393	20	1-EI-CB-23E	EI/PROCESS CABINET E	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
424	5394	20	1-EI-CB-25	EI/CONTROL PANEL	SB	277'	LOGIC	282'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,DPM
425	5395	20	1-EI-CB-300	EI/CONTROL PANEL	SB	277'	8.8/D	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
426	5396	20	1-EI-CB-301C	EI/CONTROL PANEL	SB	252'	5.2/DE	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	TWH,EQE
427	5397	20	1-EI-CB-34	EI/POST ACCIDENT MONITORING & CONTROL PANEL	SB	277'	CR	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R17	DB,DPM
428	5398	20	1-EI-CB-44	EI/PROCESS CABINET F	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
429	5399	20	1-EI-CB-47A	EI/SOLID STATE PROTECTION INPUT CABINET (TRAIN A)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15, O/R16	DB,DPM
430	5400	20	1-EI-CB-47B	EI/SOLID STATE PROTECTION INPUT CABINET (TRAIN B)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
431	5401	20	1-EI-CB-47C	EI/SOLID STATE PROTECTION LOGIC CABINET (TRAIN A)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM
432	5402	20	1-EI-CB-47D	EI/SOLID STATE PROTECTION LOGIC CABINET (TRAIN B)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM
433	5403	20	1-EI-CB-47E	EIP/SOLID STATE PROTECTION OUTPUT CABINET (TRAIN A)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
434	5404	20	1-EI-CB-47F	EI/SOLID STATE PROTECTION OUTPUT CABINET (TRAIN B)	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
435	5405	20	1-EI-CB-48A	EI/AUXILIARY RELAY RACK I	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	TWH,SEZ
436	5406	20	1-EI-CB-51	EI/PRIMARY PLANT PROCESS CABINET 1	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R16	DB,DPM
437	5407	20	1-EI-CB-52	EI/PRIMARY PLANT PROCESS CABINET 2	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R16	DB,DPM
438	5408	20	1-EI-CB-53	EI/PRIMARY PLANT PROCESS CABINET 3	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	CGR,KNM
439	5409	20	1-EI-CB-54	EI/PRIMARY PLANT PROCESS CABINET 4	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	CGR,KNM
440	5410	20	1-EI-CB-55	EI/PRIMARY PLANT PROCESS CABINET 5	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
441	5411	20	1-EI-CB-56	EI/PRIMARY PLANT PROCESS CABINET 6	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
442	5412	20	1-EI-CB-57	EI/PRIMARY PLANT PROCESS CABINET 7	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	CGR,KNM
443	5413	20	1-EI-CB-58	EI/PRIMARY PLANT PROCESS CABINET 8	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	CGR,KNM
444	5414	20	1-EI-CB-62A	EI/SAFEGUARDS TEST CABINET A	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
445	5415	20	1-EI-CB-62B	EI/SAFEGUARDS TEST CABINET B	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
446	5416	20	1-EI-CB-64A	EI/SOLID STATE PROT SYS AUX RELAY RACK	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15, O/R16	DB,DPM
447	5417	20	1-EI-CB-64B	EI/SOLID STATE PROT SYS AUX RELAY RACK	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R23	CGR,KNM
448	5418	20	1-EI-CP-04	EI/MICROPROCESSOR CABINET	SB	277'	CR	277'	N/A	ABS/DOC	CRS	Y	Y	Y	Y	Y	12	DB,DPM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
449	5419	20	1-EP-CB-10C	EP/PZR DISTRIBUTION PANEL #2	AUX	280'	RCRM/12/JK	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	TWH,EQE
450	5420	20	1-EP-CB-10F	EP/RCS PZR CONTROL PANEL	AUX	280'	RCRM/12/	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	TWH,EQE
451	5425G	20	1-EP-CB-115B	EP/CONT ISOL TRIP VALVE RELAY PANEL A-1	AUX	260'	ELEC TUNNEL #1	274'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
452	5425H	20	1-EP-CB-115C	EP/CONT ISOL TRIP VALVE RELAY PANEL A-2	AUX	260'	ELEC TUNNEL #1	264'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
453	5425J	20	1-EP-CB-116A	EP/CONT ISOL TRIP VALVE RELAY PANEL B	AUX	260'	ELEC TUNNEL #1	265'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
454	5425F	20	1-EP-CB-116C	EI/CONT ISOL TRIP VALVE RELAY PANEL	AUX	260'	ELEC TUNNEL #1	271'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
455	5563	20	1-EP-CB-11AN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	7.5/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
456	5575	20	1-EP-CB-11AR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	8.5/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
457	5564	20	1-EP-CB-11BN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	7.5/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
458	5576	20	1-EP-CB-11BR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	7.9/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
459	5587	20	1-EP-CB-11N1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	7.5/L	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
460	5588	20	1-EP-CB-11R1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	7.5/L	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
461	5425I	20	1-EP-CB-121A	EP/CONT ISOL TRIP VALVE RELAY PANEL	SB	277'	LOGIC RM #1	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
462	5425K	20	1-EP-CB-121B	EP/CONT ISOL TRIP VALVE RELAY PANEL	SB	277'	LOGIC RM #1	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
463	5577	20	1-EP-CB-12AR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	NOTE 1C	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
464	5578	20	1-EP-CB-12BR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	NOTE 1C	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
465	5589	20	1-EP-CB-12N1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	NOTE 1J	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
466	5590	20	1-EP-CB-12R1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	NOTE 1J	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
467	5567	20	1-EP-CB-13AN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	274'	8.7/H	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
468	5579	20	1-EP-CB-13AR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	274'	NOTE 1D	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
469	5568	20	1-EP-CB-13BN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	274'	8.7/H	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
470	5580	20	1-EP-CB-13BR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	274'	NOTE 1D	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
471	5591	20	1-EP-CB-13N1	EP/HEAT TRACE CONTROL CABINET	AUX	274'	NOTE 1O	278'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
472	5592	20	1-EP-CB-13R1	EP/HEAT TRACE CONTROL CABINET	AUX	274'	8.7/H	278'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
473	5569	20	1-EP-CB-14AN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	9.5/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
474	5581	20	1-EP-CB-14AR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	8/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
475	5570	20	1-EP-CB-14BN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	9.5/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
476	5582	20	1-EP-CB-14BR	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'	8/L	270'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
477	5593	20	1-EP-CB-14N1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	9.5/L	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
478	5594	20	1-EP-CB-14R1	EP/HEAT TRACE CONTROL CABINET	AUX	259'	8/L	263'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,TWH
479	5599	20	1-EP-CB-15A	/ANNUNCIATOR CABINET - 15	AUX	259'		259'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
480	5600	20	1-EP-CB-16A1	/ANNUNCIATOR CABINET - 16	AUX	259'		259'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
481	5601	20	1-EP-CB-17A	/ANNUNCIATOR CABINET - 17	AUX	274'		274'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
482	5421	20	1-EP-CB-204	EP/APPENDIX R ISOL PANEL	SB	254'	8/C	254'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
483	5422	20	1-EP-CB-28A	EP/AUXILIARY RELAY RACK A	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	TWH,SEZ
484	5423	20	1-EP-CB-28B	EP/AUXILIARY RELAY RACK B	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	TWH,SEZ
485	5424	20	1-EP-CB-28C	EP/AUXILIARY RELAY RACK C	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R16	DB,DPM
486	5424A	20	1-EP-CB-28E	EP/AUXILIARY RELAY RACK E	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15, O/R16	DB,DPM
487	5424B	20	1-EP-CB-28F	EP/AUXILIARY RELAY RACK F	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R24	TWH,SEZ
488	5424C	20	1-EP-CB-28G	EP/AUXILIARY RELAY RACK G	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R31	TWH,SEZ
489	5425	20	1-EP-CB-28H	EP/SW LOGIC CABINET 1A	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R31	TWH,SEZ
490	5425A	20	1-EP-CB-28HX	EP/SW LOGIC CABINET 1AX	SB	252'	IRR #1	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
491	5425B	20	1-EP-CB-28J	EP/SW LOGIC CABINET 1B	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R31	TWH,SEZ
492	5425C	20	1-EP-CB-28JX	EP/SW LOGIC CABINET 1BX	SB	252'	IRR #1	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
493	5595	20	1-EP-CB-41N1	EP/HEAT TRACE CONTROL CABINET	AFPH	271'	1.1/LA	271'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
494	5596	20	1-EP-CB-41R1	EP/HEAT TRACE CONTROL CABINET	AFPH	271'	1.1/LA	271'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
495	5602	20	1-EP-CB-45A	/ANNUNCIATOR CABINET - 45	AFPH	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
496	5425D	20	1-EP-CB-63A	EP/LOOP STOP VALVE LOGIC CABINET RACK A	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
497	5425E	20	1-EP-CB-63B	EP/LOOP STOP VALVE LOGIC CABINET RACK B	SB	252'	IRR #1	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	TWH,SEZ
498	6036	20	1-EP-DB-16A	EP/120V SEMI-VITAL AC BUS DISTRIBUTION PANEL	SB	252'	EMER SWGR 5/D	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
499	6038	20	1-EP-DB-16B	EP/120V SEMI-VITAL AC BUS DISTRIBUTION PANEL	SB	252'	EMER SWGR 5/D	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
500	6102	20	2-EG-P-2H	EDG CONTROL PANEL	SB	270'	EDG	282'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
501	6103	20	2-EG-P-2J	EDG CONTROL PANEL	SB	270'	EDG	282'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
502	5479C	20	2-EI-CB-08A	EG/EMERG DG CONTROL PANEL (H-TRAIN)	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,RDC
503	5479D	20	2-EI-CB-08B	EG/EMERG DG CONTROL PANEL (H-TRAIN)	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R46	DB,RDC
504	5418C	20	2-EI-CB-201	EI/DIESEL ISOL PANEL (H-TRAIN)	SB	272'	EDG	272'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR, RDC

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
505	5002	21	1-CC-E-1A	CC/COMPONENT COOLING WATER HX	AUX	259'	8.5/F	263'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, RDC
506	5006	21	1-CC-E-1B	CC/COMPONENT COOLING WATER HX	AUX	259'	8.5/F	263'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, RDC
507	5047	21	1-CC-TK-1	CC/CC SURGE TANK	AUX	291'	9/F	291'	N	DOC	CRS	Y	N/A	Y	Y	Y	O/R26	CGR, RDC
508	1073	21	1-CH-E-1	CH/SEAL WATER HEAT EXCHANGER	AUX	245'	12/H	245'	Y	DOC	CRS	Y	N/A	Y	Y	Y	32	TWH,SEZ
509	1005	21	1-CH-E-3	CH/REGENERATIVE HEAT EXCHANGER	CONTMT	241'	11	241'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	10, 41	DB,DPM
510	1199	21	1-CH-E-4	CH/EXCESS LETDOWN HEAT ECHANGER	CONTMT	234'	5	234'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	42	DB,DPM
511	1140	21	1-CH-TK-1A	CH/BORIC ACID STORAGE TANK A (BAST)	AUX	244'	8.5/G	245'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R35	SEZ,EQE
512	1141	21	1-CH-TK-1B	CH/BORIC ACID STORAGE TANK B (BAST)	AUX	274'	9/G	274'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R35	SEZ,EQE
513	1048	21	1-CH-TK-2	CH/VOLUME CONTROL TANK (VCT)	AUX	274'	9.5/J	274'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R35	TWH,SEZ
514	4118	21	1-CN-TK-1	CN/CONDENSATE STORAGE TANK	YARD	-	NOTE 1E	271'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	43, O/R36	KNM,EQE
515	5111	21	1-DG-E-1	DG/PRIMARY DRAIN TRANSFER COOLER	CONTMT	226'	5	226'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	DB,DPM
516	5490	21	1-EG-TK-1H	EG/FUEL OIL DAY TANK	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	SEZ,EQE
517	5527	21	1-EG-TK-1HA	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
518	5528	21	1-EG-TK-1HB	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
519	5491	21	1-EG-TK-1J	EG/FUEL OIL DAY TANK	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	SEZ,EQE
520	5529	21	1-EG-TK-1JA	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
521	5530	21	1-EG-TK-1JB	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
522	5480	21	1-EG-TK-2A	EG/UNDERGROUND FO STORAGE TANK	YARD	--	--	260'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R20	SEZ,EQE
523	5481	21	1-EG-TK-2B	EG/UNDERGROUND FO STORAGE TANK	YARD	--	--	260'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R20	SEZ,EQE
524	2045	21	1-GN-TK-1A	GN/N2 RESERVE TANK	CONTMT	292'	9.5	N/A	N/A	DOC	CRS	Y	N/A	Y	Y	Y	44	DB,DPM
525	2044	21	1-GN-TK-1B	GN/N2 RESERVE TANK	CONTMT	292'	9.5	N/A	N/A	DOC	CRS	Y	N/A	Y	Y	Y	44	DB,DPM
526	5053	21	1-HV-E-6A	HV/SHROUD COOLING COILS	CONTMT	276'	1	276'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	TWH,SEZ
527	5065	21	1-HV-E-6B	HV/SHROUD COOLING COILS	CONTMT	275'	13	275'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	TWH,SEZ
528	5077	21	1-HV-E-6C	HV/SHROUD COOLING COILS	CONTMT	277'	8	277'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	TWH,SEZ
529	5449A	21	1-HV-TK-6A	HV/CHILLED WATER EXPANSION TANK	SB	254'	CHILLER RM	262'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR, RDC
530	5449B	21	1-HV-TK-6B	HV/CHILLED WATER EXPANSION TANK	SB	254'	CHILLER RM	262'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR, RDC
531	5116	21	1-NS-E-1A	NS/NEUTRON SHIELD TANK COOLER	CONTMT	262'	15	265'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
532	5117	21	1-NS-E-1B	NS/NEUTRON SHIELD TANK COOLER	CONTMT	262'	15	265'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
533	3046	21	1-QS-TK-1	QS/REFUELING WATER STORAGE TANK (RWST)	YARD	271'	--	271'	Y	DOC	CRS	Y	N/A	Y	Y	Y	48, O/R38	KNM,EQE
534	2029	21	1-RC-TK-2	RC/PRESSURE RELIEF TANK (PRT)	CONTMT	241' PC	10	241'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	23	DB,DPM
535	4253	21	1-RH-E-1A	RH/RHR HX A	CONTMT	236'	4.5	236'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	47	DB,DPM
536	4255	21	1-RH-E-1B	RH/RHR HX B	CONTMT	236'	3.5	236'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	47	DB,DPM
537	5604	21	1-RS-E-1A	RS/INSIDE RECIRC SPRAY COOLER A	CONTMT	216'	9	216'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	DB,DPM
538	5604	21	1-RS-E-1B	RS/INSIDE RECIRC SPRAY COOLER B	CONTMT	216'	10	216'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	TWH,SEZ
539	5606	21	1-RS-E-1C	RS/INSIDE RECIRC SPRAY COOLER C	CONTMT	216'	9	216'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR,KNM
540	5607	21	1-RS-E-1D	RS/INSIDE RECIRC SPRAY COOLER D	CONTMT	216'	9	216'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	TWH,SEZ
541	1087A	21	1-SI-TK-2	SI/BORON INJECTION TANK (BIT)	AUX	244'	NOTE 1Q	244'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R37	SEZ,EQE
542	1212	21	1-SS-E-10	SS/PZR LIQUID SPACE SAMPLE COOLER	AUX	274'	8/B	282'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
543	1242	21	1-SS-E-12	SS/RC COLD LEG SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	N/A	Y	Y	46	CGR,KNM
544	5029	21	1-SS-E-14	SS/SG SURFACE HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
545	5104	21	1-SS-E-34	SS/SAMPLE COOLER	AUX	244'	9/K	253'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	TWH,SEZ
546	5105	21	1-SS-E-35	SS/SAMPLE COOLER	AUX	244'	9/K	253'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	TWH,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
547	5106	21	1-SS-E-36	SS/SAMPLE COOLER	AUX	244'	9/K	253'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	TWH,SEZ
548	5028	21	1-SS-E-3A	SS/LOOP 1 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
549	5026	21	1-SS-E-3B	SS/LOOP 2 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
550	5024	21	1-SS-E-3C	SS/LOOP 3 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
551	1230	21	1-SS-E-4	HRS/HOT LEG SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM
552	5019	21	1-SS-E-5A	SS/GAS STRIPPER LIQUID EFFLUENT HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
553	5020	21	1-SS-E-5B	SS/GAS STRIPPER LIQUID EFFLUENT HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
554	4270	21	1-SS-E-9	SS/RHR SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM
555	5492	21	2-EG-TK-2H	EG/FUEL OIL DAY TANK	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	SEZ,EQE
556	5531	21	2-EG-TK-2HA	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
557	5532	21	2-EG-TK-2HB	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
558	5493	21	2-EG-TK-2J	EG/FUEL OIL DAY TANK	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	SEZ,EQE
559	5533	21	2-EG-TK-2JA	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE
560	5534	21	2-EG-TK-2JB	EG/AIR COMPRESSOR AIR RECEIVER	SB	270'	DG	270'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40, O/R19	SEZ,EQE

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 1

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
561	5030	21	2-SS-E-14	SS/SG SURFACE HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
562	5027	21	2-SS-E-3A	SS/LOOP 1 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
563	5025	21	2-SS-E-3B	SS/LOOP 2 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ
564	5023	21	2-SS-E-3C	SS/LOOP 3 SGBD HX	AUX	274'	9/K	284'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	TWH,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
1	5261	0	1-HV-MOD-135	HV/AIR COND. FAN DISCH. DAMPER	SB	277'	10/D	290'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
2	5271	0	1-HV-MOD-136	HV/AIR COND. FAN DISCH. DAMPER	SB	277'	10/D	290'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
3	5240	0	1-HV-MOD-137	HV/AIR COND. FAN DISCH. DAMPER	SB	252'	12/D	265'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
4	5250	0	1-HV-MOD-138	HV/AIR COND. FAN DISCH. DAMPER	SB	252'	12/D	265'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
5	4211A3	0	2-FW-FY-2479	ELECTRO-PNEUMATIC CONTROLLER	MER#2	286'	D/12	286'	N/A	NA/	N/A	N/A	N/A	Y	Y	Y	O/R21	CGR,KNM
6	4211B3	0	2-FW-FY-2489	ELECTRO-PNEUMATIC CONTROLLER	MER#2	286'	D/12	286'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	O/R21	CGR,KNM
7	4211C3	0	2-FW-FY-2499	ELECTRO-PNEUMATIC CONTROLLER	MER#2	286'	D/12	286'	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	O/R21	CGR,KNM
8	5262	0	2-HV-MOD-235	HV/AIR COND. FAN DISCH. DAMPER	SB	277'	10/D	290'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
9	5272	0	2-HV-MOD-236	HV/AIR COND. FAN DISCH. DAMPER	SB	277'	10/D	290'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
10	5241	0	2-HV-MOD-237	HV/AIR COND. FAN DISCH. DAMPER	SB	252'	12/D	265'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
11	5251	0	2-HV-MOD-238	HV/AIR COND. FAN DISCH. DAMPER	SB	252'	12/D	265'	N/A	DOC	CRS	Y	N/A	N/A	Y	Y	O/R3	DB,DPM
12	6015	01	2-EP-MC-10	EP/EMERGENCY MCC 2H1-1	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
13	6022	01	2-EP-MC-11	EP/EMERGENCY MCC 2J1-1	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
14	6021	01	2-EP-MC-12	EP/EMERGENCY MCC 2H1-1A	EDG	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
15	6027	01	2-EP-MC-13	EP/EMERGENCY MCC 2J1-1A	EDG	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
16	6020	01	2-EP-MC-19	EP/EMERGENCY MCC 2H1-2N	AUX	259' 6"	11/J	260'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
17	6017	01	2-EP-MC-20	EP/EMERGENCY MCC 2H1-2S	AUX	259' 6"	11/J	260'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
18	6024	01	2-EP-MC-21	EP/EMERGENCY MCC 2J1-2N	AUX	259' 6"	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R27	TWH,JJ
19	6023	01	2-EP-MC-22	EP/EMERGENCY MCC 2J1-2S	AUX	259' 6"	CABLE TUNNEL	260'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R27	TWH,JJ
20	6018	01	2-EP-MC-32	EP/EMERGENCY MCC 2H1-3	SWPH	328'	SWPH	328'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,CGR
21	6025	01	2-EP-MC-33	EP/EMERGENCY MCC 2J1-3	SWPH	327'	SWPH	327'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
22	6016	01	2-EP-MC-41	EP/EMERGENCY MCC 2H1-4	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	TWH,SEZ
23	6019	01	2-EP-MC-50	EP/EMERGENCY MCC 2H1-3A	SWVH	326'	SWVH	326'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	KNM,CGR
24	6026	01	2-EP-MC-51	EP/EMERGENCY MCC 2J1-3A	SWVH	326'	--	326'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R25	SEZ,JJ
25	1252	02	2-EE-BKR-BYA	CR*/REACTOR TRIP BREAKER BYPASS A	AUX	280'	RCD	280'	N/A	DOC/GERS	CRS	Y	Y	Y	Y	Y	O/R18	MS,DB
26	1253	02	2-EE-BKR-BYB	CR*/REACTOR TRIP BREAKER BYPASS B	AUX	280'	RCD	280'	N/A	DOC/GERS	CRS	Y	Y	Y	Y	Y	O/R18	MS,DB
27	1250	02	2-EE-BKR-RTA	CR*/REACTOR TRIP BREAKER A	AUX	280'	RCD	280'	N/A	DOC/GERS	CRS	Y	Y	Y	Y	Y	O/R18	MS,DB
28	1251	02	2-EE-BKR-RTB	CR*/REACTOR TRIP BREAKER B	AUX	280'	RCD	280'	N/A	DOC/GERS	CRS	Y	Y	Y	Y	Y	O/R18	MS,DB

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
29	6011	02	2-EE-SS-01	EE/480V EMERGENCY BUS 2H	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	DB,DPM
30	6013	02	2-EE-SS-02	EE/480V EMERGENCY BUS 2J	SB	252'	8/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,MS
31	6012	02	2-EE-SS-03	EE/480V EMERGENCY BUS 2H1	AUX	280'	RCD	280'	N	ABS	CRS	Y	Y	Y	Y	Y	2, 14	DB,DPM
32	6014	02	2-EE-SS-04	EE/480V EMERGENCY BUS 2J1	AUX	280'	11/K	280'	N	ABS	CRS	Y	Y	Y	Y	Y	14	DB,MS
33	6005	03	2-EE-SW-01	EE/4KV EMERGENCY BUS 2H (ORANGE)	SB	252'	9/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
34	6006	03	2-EE-SW-02	EE/4KV EMERGENCY BUS 2J (PURPLE)	SB	252'	8/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
35	6007	04	2-EE-ST-2H	EE/4160/480 TRANSFORMER 2H	SB	254'	9/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R34	DB,DPM
36	6008	04	2-EE-ST-2H1	EE/4160/480 TRANSFORMER 2H1	AUX	280'	RCD	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R34, 14	DB,DPM
37	6009	04	2-EE-ST-2J	EE/4160/480 TRANSFORMER 2J	SB	252'	8/D	252'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R42	DB,MS
38	6010	04	2-EE-ST-2J1	EE/4160/480 TRANSFORMER 2J1	AUX	274'	11/D	280'	N/A	ABS	CRS	Y	Y	Y	Y	Y	O/R42, 14	DB,MS
39	5561*	04	2-EE-TRANS-42N-2	/HEAT TRACE TRANSFORMER	AFPH	271'	--	280'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
40	5562*	04	2-EE-TRANS-42R-2	/HEAT TRACE TRANSFORMER	AFPH	271'	--	280'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
41	6030	04	2-EP-TRANS-80-2*	EP/480/120 VOLT. REG. TRANSFORMER (80-2)	SB	252'	9/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,JJ
42	6028	04	2-TRANS-79A	EP/480/120 VOLT. REG. TRANSFORMER (79A-2)	SB	254'	9/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
43	6029	04	2-TRANS-79B	EP/480/120 VOLT. REG. TRANSFORMER (79B-2)	SB	254'	9/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,SEZ
44	6031	04	TRANS-118-2*	EP/480/120 SEMI-VITAL TRANSFORMER (118-2)	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
45	6033	04	TRANS-119-2*	EP/480/120 SEMI-VITAL TRANSFORMER (119-2)	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
46	6032	04	TRANS-70-2*	EP/480/120 SEMI-VITAL TRANSFORMER (70-2)	SB	284'	CR	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
47	6034	04	TRANS-71-2*	EP/480/120 SEMI-VITAL TRANSFORMER (71-2)	SB	284'	CR	284'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
48	1160	05	1-CH-P-2C	CH/BORIC ACID TRANSFER PUMP (BATP)	AUX	261'	9.5/HJ	261'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
49	1161	05	1-CH-P-2D	CH/BORIC ACID TRANSFER PUMP (BATP)	AUX	261'	9.5/HJ	261'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
50	5001	05	2-CC-P-1A	CC/COMPONENT COOLING WATER PUMP	AUX	245'	9/H	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
51	5005	05	2-CC-P-1B	CC/COMPONENT COOLING WATER PUMP	AUX	245'	10/H	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
52	1064	05	2-CH-P-1A	CH/CENTRIFUGAL CHARGING PUMP A; (CCP A)	AUX	244'	9/J	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
53	1065	05	2-CH-P-1B	CH/CENTRIFUGAL CHARGING PUMP B; (CCP B)	AUX	244'	9.5/J	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
54	1066	05	2-CH-P-1C	CH/CENTRIFUGAL CHARGING PUMP C; (CCP C)	AUX	244'	10/J	244'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
55	4142	05	2-FW-P-2	FW/TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP (TDAFWP)	AFPH	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
56	4135	05	2-FW-P-3A	FW/MOTOR-DRIVEN AUXILIARY FEEDWATER PUMP (MDAFWP)	AFPH	275'	--	283'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
57	4129	05	2-FW-P-3B	FW/MOTOR-DRIVEN AUXILIARY FEEDWATER PUMP (MDAFWP)	AFPH	275'	--	283'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
58	5194	06	2-HV-P-20A	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
59	5201	06	2-HV-P-20B	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
60	5221	06	2-HV-P-20C	HV/CHILLED WATER PUMP	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
61	5226C	06	2-HV-P-22A	HV/CR & RELAY ROOM WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM 11/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
62	5226D	06	2-HV-P-22B	HV/CR & RELAY ROOM WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM 12/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
63	5226E	06	2-HV-P-22C	HV/CR & RELAY ROOM WATER SYSTEM BOOSTER PUMP	SB	254'	CHILLER RM 11/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
64	4249	06	2-RH-P-1A	RH/RHR PUMP A	CONTMT	231'	17.5	231'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,DPM
65	4252	06	2-RH-P-1B	RH/RHR PUMP B	CONTMT	231'	2	231'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,DPM
66	5263	07	1-HV-TCV-155	HV/CHILLED WATER CONTROL VALVE	SB	277'	10/D	283'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
67	5273	07	1-HV-TCV-164	HV/CHILLED WATER CONTROL VALVE	SB	277'	10/D	283'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
68	5242	07	1-HV-TCV-166	HV/CHILLED WATER CONTROL VALVE	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
69	5253	07	1-HV-TCV-167	HV/CHILLED WATER CONTROL VALVE	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
70	4210A	07	2-FW-FCV-2478	A MAIN FEED REG VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y		CGR,KNM

Date:03/15/00

SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
71	4211A	07	2-FW-FCV-2479	A MAIN FEED REG BYPASS VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R47	CGR,KNM
72	4210B	07	2-FW-FCV-2488	B MAIN FEED REG VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y		CGR,KNM
73	4211B	07	2-FW-FCV-2489	B MAIN FEED REG BYPASS VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y		CGR,KNM
74	4210C	07	2-FW-FCV-2498	C MAIN FEED REG VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y		CGR,KNM
75	4211C	07	2-FW-FCV-2499	C MAIN FEED REG BYPASS VALVE	SB	286'	12/D	286'	Y	BS	GRS	Y	Y	N/A	Y	Y		CGR,KNM
76	4172	07	2-FW-HCV-200A	FW/AFWP HEADER TO SG A	AFPH	275'	--	275'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
77	4169	07	2-FW-HCV-200B	FW/AFWP HEADER TO SG B	AFPH	275'	--	275'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
78	4147	07	2-FW-PCV-259A	FW/AFWP TO SG B CONTROL VALVE	AFPH	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
79	4152	07	2-FW-PCV-259B	FW/AFWP TO SG C CONTROL VALVE	AFPH	274'	--	274'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
80	2038	07	2-GN-PCV-225A-1	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5.1	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES
81	2039	07	2-GN-PCV-225A-2	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5.1	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES
82	2035	07	2-GN-PCV-225A-3	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES
83	2036	07	2-GN-PCV-225B-1	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES
84	2037	07	2-GN-PCV-225B-2	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
85	2034	07	2-GN-PCV-225B-3	GN/PZR PORV N2 SUPPLY PRESSURE REDUCING VALVE	CONTMT	308'	5	308'	N	GERS-7	CRS	Y	Y	Y	Y	Y		DB,DPM,CES
86	1239	07	2-HRS-TV-1617	HRS/RC COLD LEG SAMPLE COOLER ISOL	AUX	259'	10.5/L	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
87	1225	07	2-HRS-TV-1619	HRS/HOT LEG SAMPLE COOLER INLET ISOL	AUX	259'	10.5/JK	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
88	4271	07	2-HRS-TV-1621	HRS/SAMPLING SYSTEM ISOL	AUX	259'	10.5/L	259'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
89	5264	07	2-HV-TCV-255	HV/CHILLED WATER CONTROL VALVE	SB	277'	10/D	282'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
90	5274	07	2-HV-TCV-264	HV/CHILLED WATER CONTROL VALVE	SB	277'	10/D	282'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
91	5243	07	2-HV-TCV-266	HV/CHILLED WATER CONTROL VALVE	SB	252'	12/D	263'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
92	5254	07	2-HV-TCV-267	HV/CHILLED WATER CONTROL VALVE	SB	252'	12/D	263'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
93	4014	07	2-MS-PCV-201A	MS/SG A ATMOSPHERIC STEAM DUMP VALVE	MSVH	309'	--	309'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	TWH,SEZ
94	4042	07	2-MS-PCV-201B	MS/SG B ATMOSPHERIC STEAM DUMP VALVE	MSVH	309'	13/GB	309'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	TWH,SEZ
95	4070	07	2-MS-PCV-201C	MS/SG C ATMOSPHERIC STEAM DUMP VALVE	MSVH	309'	13.3/GA	309'	N	DOC	CRS	Y	N/A	N/A	Y	Y	37	TWH,SEZ
96	4017	07	2-MS-TV-201A	MS/SG A MSIV	MSVH	285'	--	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS
97	4045	07	2-MS-TV-201B	MS/SG B MSIV	MSVH	285'	13.3/GB	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS
98	4073	07	2-MS-TV-201C	MS/SG C MSIV	MSVH	285'	13.5/GB	285'	Y	BS	GRS	Y	Y	N/A	Y	Y	O/R8	DPM,MS

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
99	4086	07	2-MS-TV-211A	MS/TDAFW STEAM ADMISSION	MSVH	274'	13.3/GA	274'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
100	4088	07	2-MS-TV-211B	MS/TDAFW STEAM ADMISSION	MSVH	274'	13.3/GA	274'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
101	4102	07	2-MS-TV-215	MS/TDAFW TRIP VALVE	AFWPH	274'	13.2/GA	274'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	38	TWH,SEZ
102	2020	07	2-RC-PCV-2455C	RC/PZR PORV	CONTMT	308'	5	308'	N	DOC	CRS	Y	Y	N/A	Y	Y	39, O/R5, O/R43	MS,DPM,SEZ
103	2029	07	2-RC-PCV-2456	RC/PZR PORV	CONTMT	308'	5.1	308'	N	DOC	CRS	Y	Y	N/A	Y	Y	39. O/R43	MS,DPM,SEZ
104	4262	07	2-RH-FCV-2605	RH/RHR HX BYPASS	CONTMT	217'	1.5	232'	Y	ABS	CRS	Y	Y	N/A	Y	Y	O/R41	MS,DPM,SEZ
105	4260	07	2-RH-HCV-2758	RH/RHR HX OUTLET	CONTMT	227'	2	231'	Y	ABS	CRS	Y	Y	N/A	Y	Y		MS,DPM,SEZ
106	5057	08A	2-CC-MOV-200A	CC/RHR HX OUTLET CONTROL VALVE	CONTMT	234'	14.2	234'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
107	5065	08A	2-CC-MOV-200B	CC/RHR HX OUTLET CONTROL VALVE	CONTMT	230'	14.2	230'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
108	3049	08A	2-CH-MOV-2115B	CH/RWST TO CCP INLET ISOL	AUX	244'	10.6/JK	246'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
109	3048	08A	2-CH-MOV-2115D	CH/RWST TO CCP INLET ISOL	AUX	244'	10.6/JK	246'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
110	1178	08A	2-CH-MOV-2350	CH/EMERGENCY BORATE VALVE	AUX	274'	9.7/JK	276'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
111	4175	08A	2-FW-MOV-200A	FW/AFWP HEADER TO SG A	AFPH	275'	--	278'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
112	4167	08A	2-FW-MOV-200C	FW/AFWP HEADER TO SG C	AFPH	275'	--	278'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
113	3020	08A	2-RC-MOV-2535	RC/PZR PORV BLOCK VALVE	CONTMT	308'	5.1	308'	N	DOC/GERS	CRS	Y	Y	N/A	Y	Y		MS,DPM
114	3021	08A	2-RC-MOV-2536	RC/PZR PORV BLOCK VALVE	CONTMT	308'	5	308'	N	DOC/GERS	CRS	Y	Y	N/A	Y	Y		MS,DPM
115	4247	08A	2-RH-MOV-2700	RH/RHR PUMP SUCTION ISOL	CONTMT	241'	16	241'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
116	4248	08A	2-RH-MOV-2701	RH/RHR PUMP SUCTION ISOL	CONTMT	231'	16	231'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
117	4274	08A	2-RH-MOV-2720A	RH/RHR RETURN ISOL LOOP 2	CONTMT	216'	4.3	226'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
118	4275	08A	2-RH-MOV-2720B	RH/RHR RETURN ISOL LOOP 3	CONTMT	216'	4	226'	Y	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
119	2048	08A	2-SI-MOV-2865A	SI/ACCUM OUTLET ISOL	CONTMT	216'	14.8	220'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	KNM,CGR
120	4278	08A	2-SI-MOV-2865B	SI/ACCUM OUTLET ISOL	CONTMT	216'	9	220'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	KNM,CGR
121	4281	08A	2-SI-MOV-2865C	SI/ACCUM OUTLET ISOL	CONTMT	216'	4.3	220'	Y	ABS	CRS	Y	Y	N/A	Y	Y	16	KNM,CGR
122	4210A1	08B	2-FW-SOV-2478-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
123	4210A2	08B	2-FW-SOV-2478-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
124	4211A1	08B	2-FW-SOV-2479-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
125	4211A2	08B	2-FW-SOV-2479-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
126	4210B1	08B	2-FW-SOV-2488-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
127	4210B2	08B	2-FW-SOV-2488-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
128	4211B1	08B	2-FW-SOV-2489-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
129	4211B2	08B	2-FW-SOV-2489-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	Y	Y	36, O/R32	CGR,KNM
130	4210C1	08B	2-FW-SOV-2498-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
131	4210C2	08B	2-FW-SOV-2498-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	N/A	Y	Y	36, O/R32	CGR,KNM
132	4211C1	08B	2-FW-SOV-2499-1	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	N	Y	36, O/R32	CGR,KNM
133	4211C2	08B	2-FW-SOV-2499-2	SOLENOID OPERATED VALVE	SB	286'	12/D	299'	N	GERS	CRS	Y	Y	Y	N	Y	36, O/R32	CGR,KNM
134	1240	08B	2-HRS-SOV-1617	HRS/RC COLD LEG SAMPLE COOLER ISOL PILOT	AUX	259'	10.5/L	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
135	1226	08B	2-HRS-SOV-1619	HRS/HOT LEG SAMPLE COOLER INLET ISOL PILOT	AUX	259'	10.5/JK	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
136	4272	08B	2-HRS-SOV-1621	HRS/SAMPLING SYSTEM ISOL PILOT	AUX	259'	10.5/L	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
137	5235	08B	2-HV-SOV-2200A	HV/CND WTR PUMP SEAL FLOW CONTROL	SB	256'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
138	5236	08B	2-HV-SOV-2200B	HV/CND WTR PUMP SEAL FLOW CONTROL	SB	256'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
139	5237	08B	2-HV-SOV-2200C	HV/CND WTR PUMP SEAL FLOW CONTROL	SB	256'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
140	4018	08B	2-MS-SOV-201A1	MS/SG A MSIV PILOT VALVE	QSPH	281'	13/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
141	4019	08B	2-MS-SOV-201A2	MS/SG A MSIV PILOT VALVE	QSPH	281'	13/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
142	4020	08B	2-MS-SOV-201A4	MS/SG A MSIV PILOT VALVE	QSPH	281'	13/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
143	4021	08B	2-MS-SOV-201A5	MS/SG A MSIV PILOT VALVE	QSPH	281'	13/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
144	4022	08B	2-MS-SOV-201A6	MS/SG A MSIV PILOT VALVE	QSPH	281'	13.6/GA	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
145	4023	08B	2-MS-SOV-201A7	MS/SG A MSIV PILOT VALVE	QSPH	281'	13.6/GA	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
146	4046	08B	2-MS-SOV-201B1	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
147	4047	08B	2-MS-SOV-201B2	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
148	4048	08B	2-MS-SOV-201B4	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
149	4049	08B	2-MS-SOV-201B5	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
150	4050	08B	2-MS-SOV-201B6	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
151	4051	08B	2-MS-SOV-201B7	MS/SG B MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
152	4074	08B	2-MS-SOV-201C1	MS/SG C MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
153	4075	08B	2-MS-SOV-201C2	MS/SG C MSIV PILOT VALVE	QSPH	281'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
154	4076	08B	2-MS-SOV-201C4	MS/SG C MSIV PILOT VALVE	QSPH	276'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
155	4077	08B	2-MS-SOV-201C5	MS/SG C MSIV PILOT VALVE	QSPH	276'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
156	4078	08B	2-MS-SOV-201C6	MS/SG C MSIV PILOT VALVE	QSPH	276'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
157	4079	08B	2-MS-SOV-201C7	MS/SG C MSIV PILOT VALVE	QSPH	276'	13.6/GB	285'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
158	4087	08B	2-MS-SOV-211A	MS/TDAFW STEAM ADMISSION PILOT	QSPH	252'	12.8/G	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
159	4089	08B	2-MS-SOV-211B	MS/TDAFW STEAM ADMISSION PILOT	QSPH	252'	12.8/G	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
160	2021	08B	2-RC-SOV-2455C-1	GN/PZR PORV PILOT	CONTMT	308'	5	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y	O/R6	MS,DPM,SEZ
161	2022	08B	2-RC-SOV-2455C-2	GN/PZR PORV PILOT	CONTMT	308'	5	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y	O/R6	MS,DPM,SEZ
162	2023	08B	2-RC-SOV-2455C-3	GN/PZR PORV PILOT	CONTMT	308'	5	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y		MS,DPM,SEZ
163	2031	08B	2-RC-SOV-2456-1	GN/PZR PORV PILOT	CONTMT	308'	5.1	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y		MS,DPM,SEZ
164	2032	08B	2-RC-SOV-2456-2	GN/PZR PORV PILOT	CONTMT	308'	5.1	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y	O/R7	MS,DPM,SEZ
165	2033	08B	2-RC-SOV-2456-3	GN/PZR PORV PILOT	CONTMT	308'	5.1	308'	N	GERS	CRS	Y	N/A	N/A	Y	Y		MS,DPM,SEZ
166	1235	08B	2-SS-TV-202A	SS/COLD LEG SAMPLE HEADER ISOL	CONTMT	241' A	9.5	249'	Y	ABS	CRS	Y	Y	N/A	Y	Y	18	KNM,CGR
167	1236	08B	2-SS-TV-202B	SS/RC COLD LEG SAMPLE ISOL	AUX	245'	11.5/JK	249'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
168	4267	08B	2-SS-TV-203A	SS/SAMPLING SYSTEM ISOL	CONTMT	241'	9	249'	Y	ABS	CRS	Y	Y	N/A	Y	Y	18	KNM,CGR

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
169	4268	08B	2-SS-TV-203B	SS/SAMPLING SYSTEM ISOL	AUX	245'	12/F	249'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
170	1223	08B	2-SS-TV-206A	SS/HOT LEG SAMPLE HEADER ISOL	CONTMT	241'	9.5	249'	Y	ABS	CRS	Y	Y	N/A	Y	Y	18	KNM,CGR
171	1224	08B	2-SS-TV-206B	SS/HOT LEG SAMPLE ISOL	AUX	245'	11.5/JK	249'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
172	4265	08B	2-SS-TV-207A	SS/RHR HX OUTLET TO SAMPLING SYSTEM	CONTMT	232'	4	232'	Y	ABS	CRS	Y	N/A	Y	Y	Y	4	DB,DPM
173	4266	08B	2-SS-TV-207B	SS/RHR HX OUTLET TO SAMPLING SYSTEM	CONTMT	232'	1	232'	Y	ABS	CRS	Y	N/A	Y	Y	Y	4	DB,DPM
174	1222	08B	2-SS-TV-208D	SS/HOT LEG SAMPLE ISOL	CONTMT	243' C	8.5	243'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
175	1230	08B	2-SS-TV-209A	SS/COLD LEG SAMPLE ISOL	CONTMT	241' CA	14	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	18	KNM,CGR
176	5260	10	1-HV-AC-1	HV/CONTROL ROOM AIR CONDITIONER	SB	277'	10/D	294'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9, O/R11	DB,DPM
177	5270	10	1-HV-AC-2	HV/CONTROL ROOM AIR CONDITIONER	SB	277'	10/D	294'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9, O/R11	DB,DPM
178	5239	10	1-HV-AC-6	HV/RELAY ROOM AIR COND.	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
179	5249	10	1-HV-AC-7	HV/RELAY ROOM AIR COND.	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
180	5238	10	2-HV-AC-6	HV/RELAY ROOM AIR COND.	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
181	5248	10	2-HV-AC-7	HV/RELAY ROOM AIR COND.	SB	252'	12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
182	5259	10	2-HV-AC-8	HV/CONTROL ROOM AIR CONDITIONER	SB	277'	10/D	294'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9	DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
183	5269	10	2-HV-AC-9	HV/CONTROL ROOM AIR CONDITIONER	SB	277'	10/D	294'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R9, O/R10	DB,DPM
184	5226G	11	2-HV-E-4A	HV/CHILLER UNIT	SB	254'	CHILLER RM 11/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
185	5226H	11	2-HV-E-4B	HV/CHILLER UNIT	SB	254'	CHILLER RM 12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
186	5226I	11	2-HV-E-4C	HV/CHILLER UNIT	SB	254'	CHILLER RM 12/D	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,EQE
187	6057	14	2-BP-SW-1	BP/BY-PASS SWITCH 1 (MANUAL)	SB	276'	CR	281'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,DPM
188	6058	14	2-BP-SW-2	BP/BY-PASS SWITCH 2 (MANUAL)	SB	276'	CR	281'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,DPM
189	6059	14	2-BP-SW-3	BP/BY-PASS SWITCH 3 (MANUAL)	SB	276'	CR	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,MS
190	6060	14	2-BP-SW-4	BP/BY-PASS SWITCH 4 (MANUAL)	SB	276'	CR	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R12	DB,MS
191	6061	14	2-EP-CB-04A	EP/120V VITAL AC 2-I BUS (RED & ORANGE)	SB	276' 9"	9/C	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
192	6062	14	2-EP-CB-04B	EP/120V VITAL AC 2-II BUS (WHITE)	SB	276' 9"	9/C	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,TWH
193	6063	14	2-EP-CB-04C	EP/120V VITAL AC 2-III BUS (BLUE & PURPLE)	SB	276' 9"	9/C	276'-9"	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R33	KNM,JJ
194	6064	14	2-EP-CB-04D	EP/120V VITAL AC 2-IV BUS (YELLOW)	SB	276' 9"	CR	276'-9"	Y	ABS	CRS	Y	Y	Y	Y	Y	35	KNM,JJ
195	6045	14	2-EP-CB-12A	EP/125V VITAL DC BUS (2-I)	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,DPM
196	6046	14	2-EP-CB-12B	EP/125V VITAL DC BUS (2-II)	SB	254'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,DPM

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NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
197	6047	14	2-EP-CB-12C	EP/125V VITAL DC BUS (2-III)	SB	252'	8/C	252'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,MS
198	6048	14	2-EP-CB-12D	EP/125V VITAL DC BUS (2-IV)	SB	254'	8/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		KM,CR,MS,JJ
199	6035	14	2-EP-CB-16A	EP/120V SEMI-VITAL AC 2A BUS	SB	276' 9"	CR	281'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
200	6037	14	2-EP-CB-16B	EP/120V SEMI-VITAL AC 2B BUS	SB	276' 9"	CR	281'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,MS
201	5573*	14	2-EP-CB-42AN	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
202	5585*	14	2-EP-CB-42AR	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
203	5574*	14	2-EP-CB-42BN	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
204	5586*	14	2-EP-CB-42BR	EP/HEAT TRACE DISTRIBUTION CABINET	AFPH	271'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
205	6049	15	2-BY-B-01	BY/125V BATTERY 2-I	SB	294'	9/C	294'	N	ABS	CRS	Y	Y	Y	Y	Y		KNM,MS
206	6050	15	2-BY-B-02	BY/125V BATTERY 2-II	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,MS
207	6051	15	2-BY-B-03	BY/125V BATTERY 2-III	SB	294'	8/Db	294'	N	ABS	CRS	Y	Y	Y	Y	Y		KNM,MS
208	6052	15	2-BY-B-04	BY/125V BATTERY 2-IV	SB	252'	8/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,MS
209	6065	15	2-EG-B-02B	AP/EDG BATTERIES AND RACKS	SB	272'	EDG2H	272'	Y	DOC	CRS	Y	N/A	Y	Y	Y	24, O/R45	CGR, RDC
210	6066	15	2-EG-B-04D	AP/EDG BATTERIES AND RACKS	SB	272'	EDG2J	272'	Y	DOC	CRS	Y	N/A	Y	Y	Y	24, O/R45	CGR, RDC

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
211	6040	16	2-BY-C-02	BY/BATTERY CHARGER 2-I	SB	252'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
212	6039	16	2-BY-C-03	BY/BATTERY CHARGER 2C-I	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
213	6041	16	2-BY-C-04	BY/BATTERY CHARGER 2-II	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
214	6043	16	2-BY-C-05	BY/BATTERY CHARGER 2-III	SB	252'	9/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
215	6042	16	2-BY-C-06	BY/BATTERY CHARGER 2C-II	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
216	6044	16	2-BY-C-07	BY/BATTERY CHARGER 2-IV	SB	252'	8/C	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DPM,MS
217	6053	16	2-VB-I-01	VB/INVERTOR TO VITAL 2-I BUS	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
218	6054	16	2-VB-I-02	VB/INVERTOR TO VITAL 2-II BUS	SB	252'	9/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
219	6055	16	2-VB-I-03	VB/INVERTOR TO VITAL 2-III BUS	SB	252'	8/C	252'	N/A	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
220	6056	16	2-VB-I-04	VB/INVERTOR TO VITAL 2-IV BUS	SB	252'	8/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
221	6001	17	EDG-2H*	AP/EMERGENCY DIESEL GENERATOR 2H	SB	272'	15/D	275'	Y	BS	CRS	Y	Y	Y	Y	Y		CGR, MS
222	6002	17	EDG-2J*	AP/EMERGENCY DIESEL GENERATOR 2J	SB	272'	17/D	275'	Y	BS	CRS	Y	Y	Y	Y	Y		CGR, MS
223	1147	18	1-CH-LT-1102	CH/BAST C LEVEL	AUX	289'	9.5/G	289'	N	DOC	CRS	Y	Y	Y	Y	Y	37	CGR,KNM
224	1146	18	1-CH-LT-1163	CH/BAST B LEVEL	AUX	274'	9/H	274'	Y	GERS	CRS	Y	Y	Y	Y	Y	O/R40	CGR,KNM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
225	1148	18	1-CH-LT-1165	CH/BAST C LEVEL	AUX	289'	9.2/H	289'	N	GERS	CRS	Y	Y	Y	Y	Y		CGR,KNM
226	5003	18	2-CC-FT-200A	CC/CCW HX OUTLET FLOW	AUX	259'	9.5/F	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
227	5007	18	2-CC-FT-200B	CC/CCW HX OUTLET FLOW	AUX	259'	9.5/F	259'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
228	5054	18	2-CC-FT-232A	CC/CC HX FLOW TO RHR HX	CONTMT	233' A	17.5	233'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,SEZ,TWH
229	5062	18	2-CC-FT-232B	CC/CC HX FLOW TO RHR HX	CONTMT	233' A	17.5	233'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,SEZ,TWH
230	5011	18	2-CC-PT-200	CC/CCW HX OUTLET PRESSURE	AUX	245'	10.1/G	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
231	1176	18	2-CH-FT-2110	CH/BAST TO VCT FLOW	AUX	274'	9.6/J	274'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
232	1167	18	2-CH-FT-2113	CH/BAST TO VCT FLOW	AUX	274'	9.6/J	274'	Y	ABS	CRS	Y	Y	N/A	Y	Y		CGR,KNM
233	1082	18	2-CH-FT-2122	CH/CHARGING FLOW TO REGEN HX	AUX	245'	12/H	251'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
234	1104	18	2-CH-FT-2124	CH/RCP SEAL WATER INJECTION FLOW	AUX	245'	11.7/HJ	250'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
235	1106	18	2-CH-FT-2127	CH/RCP SEAL WATER INJECTION FLOW	AUX	245'	11.6/HJ	250'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
236	1108	18	2-CH-FT-2130	CH/RCP SEAL WATER INJECTION FLOW	AUX	245'	11.6/HJ	250'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
237	1052	18	2-CH-LT-2112	CH/VCT LEVEL	AUX	275'	9.1/J	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM
238	1050	18	2-CH-LT-2115	CH/VCT LEVEL	AUX	275'	9.1/J	275'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR,KNM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
239	4121	18	2-CN-LT-200A	CN/CONDENSATE STORAGE TANK LEVEL	AFPH	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
240	4122	18	2-CN-LT-200B	CN/CONDENSATE STORAGE TANK LEVEL	AFPH	275'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
241	4177	18	2-FW-FT-200A	FW/AFWP TO SG A FLOW	AFPH	273'	NOTE 2D	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
242	4161	18	2-FW-FT-200B	FW/AFWP TO SG B FLOW	AFPH	273'	--	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
243	4165	18	2-FW-FT-200C	FW/AFWP TO SG C FLOW	AFPH	273'	16/M	276'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
244	4185	18	2-FW-LT-2474	FW/SG A LEVEL	CONTMT	261'	13.5	261'	Y	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR
245	4187	18	2-FW-LT-2475	FW/SG A LEVEL	CONTMT	241' A	17.5	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	20	KNM,CGR
246	4189	18	2-FW-LT-2476	FW/SG A LEVEL	CONTMT	261'	15	261'	Y	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR
247	4181	18	2-FW-LT-2477	FW/SG A LEVEL	CONTMT	241' A	17.5	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	20	KNM,CGR
248	4197	18	2-FW-LT-2484	FW/SG B LEVEL	CONTMT	241' A	8.8	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	20	KNM,CGR
249	4199	18	2-FW-LT-2485	FW/SG B LEVEL	CONTMT	241' A	8.2	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	20	KNM,CGR
250	4201	18	2-FW-LT-2486	FW/SG B LEVEL	CONTMT	261'	8.2	261'	Y	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR
251	4193	18	2-FW-LT-2487	FW/SG B LEVEL	CONTMT	241' A	9	241'	Y	ABS	CRS	Y	Y	Y	Y	Y	20	KNM,CGR
252	4207	18	2-FW-LT-2494	FW/SG C LEVEL	CONTMT	261'	4.8	261'	N	GERS	CRS	Y	Y	Y	Y	Y	20, 22	KNM,CGR

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
253	4209	18	2-FW-LT-2495	FW/SG C LEVEL	CONTMT	261'	5.5	261'	N	GERS	CRS	Y	Y	Y	Y	Y	20, 22	KNM,CGR
254	4211	18	2-FW-LT-2496	FW/SG C LEVEL	CONTMT	241' A	4	241'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,CGR
255	4203	18	2-FW-LT-2497	FW/SG C LEVEL	CONTMT	241' A	3.8	241'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
256	4146	18	2-FW-PC-259A	FW/PRESSSURE CONTROL	AFPH	273'	--	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
257	4151	18	2-FW-PC-259B	FW/PRESSURE CONTROL	AFPH	273'	--	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
258	4136	18	2-FW-PI-256A	FW/TDAFWP SUCTION (LOCAL)	AFPH	275'	--	275'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
259	4130	18	2-FW-PI-256B	FW/MDAFWP SUCTION (LOCAL)	AFPH	274'	--	275'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
260	4124	18	2-FW-PI-256C	FW/MDAFWP SUCTION (LOCAL)	AFPH	275'	--	275'	N/A	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
261	4150	18	2-FW-PT-201A	FW/AFWP TO SG B PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
262	4155	18	2-FW-PT-201B	FW/AFWP TO SG C PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
263	4158	18	2-FW-PT-201C	FW/AFWP TO SG A PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
264	4137	18	2-FW-PT-203A	FW/TDAFWP SUCTION PRESSURE	AFPH	273'	--	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
265	4131	18	2-FW-PT-203B	FW/MDAFWP SUCTION PRESSURE	AFPH	273'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
266	4125	18	2-FW-PT-203C	FW/MDAFWP SUCTION PRESSURE	AFPH	273'	--	273'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
267	2040	18	2-GN-PT-234A	GN/N2 RESERVE PRESSURE	CONTMT	290'	5.5	297'	N	GERS	CRS	Y	Y	Y	Y	Y		DB,DPM
268	2042	18	2-GN-PT-234B	GN/N2 RESERVE PRESSURE	CONTMT	290'	5.5	297'	N	GERS	CRS	Y	Y	Y	Y	Y		DB,DPM
269	5199	18	2-HV-FS-2213A	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
270	5205	18	2-HV-FS-2213B	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
271	5205A	18	2-HV-FS-2213C	HV/CHILLER FLOW SWITCH	SB	254'	CHILLER RM	264'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
272	5232	18	2-HV-FS-2215A	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
273	5233	18	2-HV-FS-2215B	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
274	5234	18	2-HV-FS-2215C	HV/CND WTR PUMP SEAL FLOW SWITCH	SB	254'	CHILLER RM	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y	7	DB,DPM
275	5226M	18	2-HV-PC-2235A	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
276	5226N	18	2-HV-PC-2235B	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
277	5226O	18	2-HV-PC-2235C	HV/CR & RR WATER SYSTEM FLOW CONTROL	SB	254'	CHILLER RM	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
278	5227	18	2-HV-PDS-2228A	HV/CND WTR STRAINER DIFF PRESS	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
279	5228	18	2-HV-PDS-2228B	HV/CND WTR STRAINER DIFF PRESS	SB	254'	CHILLER RM	257'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
280	4007	18	2-MS-PT-201A	MS/SG A STEAM PRESSURE	QSPH	272'	14/GA	276'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
281	4035	18	2-MS-PT-201B	MS/SG B STEAM PRESSURE	QSPH	256'	13.7/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
282	4063	18	2-MS-PT-201C	MS/SG C STEAM PRESSURE	QSPH	256'	14.1/GA	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
283	4003	18	2-MS-PT-2474	MS/SG A STEAM PRESSURE	QSPH	256'	6/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
284	4005	18	2-MS-PT-2476	MS/SG A STEAM PRESSURE	QSPH	256'	6/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
285	4031	18	2-MS-PT-2485	MS/SG B STEAM PRESSURE	QSPH	256'	16/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
286	4033	18	2-MS-PT-2486	MS/SG B STEAM PRESSURE	QSPH	256'	16/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
287	4059	18	2-MS-PT-2494	MS/SG C STEAM PRESSURE	QSPH	256'	16/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
288	4061	18	2-MS-PT-2496	MS/SG C STEAM PRESSURE	QSPH	256'	16/GB	256'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
289	4015	18	2-MS-PY-201A	MS/SG A STEAM DUMP VALVE E/P TRANSDUCER	MSVH	272'	NOTE 2A	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
290	4043	18	2-MS-PY-201B	MS/SG B STEAM DUMP VALVE E/P TRANSDUCER	MSVH	272'	NOTE 2B	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
291	4071	18	2-MS-PY-201C	MS/SG C STEAM DUMP VALVE E/P TRANSDUCER	MSVH	272'	NOTE 2C	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
292	3051	18	2-QS-LT-200A	QS/RWST LEVEL	YARD	271'	--	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	5	DB,DPM
293	3052	18	2-QS-LT-200B	QS/RWST LEVEL	YARD	271'	--	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	5	DB,DPM
294	3053	18	2-QS-LT-200C	QS/RWST LEVEL	YARD	271'	--	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	5	DB,DPM

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Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
295	3054	18	2-QS-LT-200D	QS/RWST LEVEL	YARD	271'	--	271'	Y	DOC	GRS	Y	N/A	Y	Y	Y	5	DB,DPM
296	3033	18	2-RC-LIS-2310	RC/RV HEAD ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
297	3034	18	2-RC-LIS-2311	RC/HOT LEG ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
298	3029	18	2-RC-LIS-2312	RC/SEAL TABLE ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
299	3042	18	2-RC-LIS-2320	RC/HOT LEG ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
300	3043	18	2-RC-LIS-2321	RC/RV HEAD ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
301	3047	18	2-RC-LIS-2322	RC/SEAL TABLE ISOLATOR	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
302	3030	18	2-RC-LT-2310	RC/PLENUM LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
303	3032	18	2-RC-LT-2311	RC/N-RANGE LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
304	3031	18	2-RC-LT-2312	RC/W-RANGE LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
305	3046	18	2-RC-LT-2320	RC/PLENUM LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
306	3044	18	2-RC-LT-2321	RC/N-RANGE LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
307	3045	18	2-RC-LT-2322	RC/W-RANGE LEVEL	AUX	259' 6"	CABLE VAULT	259'-6"	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
308	3005	18	2-RC-LT-2459	RC/PZR LEVEL	CONTMT	261'	4.8	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
309	3007	18	2-RC-LT-2460	RC/PZR LEVEL	CONTMT	261'	5.5	263'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR
310	3009	18	2-RC-LT-2461	RC/PZR LEVEL	CONTMT	261'	6	261'	N	DOC	CRS	Y	N/A	Y	Y	Y	20	KNM,CGR
311	3011	18	2-RC-LT-2462	RC/PZR LEVEL	CONTMT	261'	6	267'	N	GERS	CRS	Y	Y	Y	Y	Y		KNM,CGR
312	2027	18	2-RC-LT-2470	RC/PRT LEVEL	CONTMT	232'	5.5	232'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,SEZ
313	2001	18	2-RC-PT-2402	RC/REACTOR COOLANT WR PRESSURE	CONTMT	241' C	3.4	241'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,CGR
314	2002	18	2-RC-PT-2402-1	RC/REACTOR COOLANT WR PRESSURE	CONTMT	241'	3.4	241'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,CGR
315	2016	18	2-RC-PT-2444	RC/PZR PRESSURE	CONTMT	261'	6	261'	N	GERS	CRS	Y	Y	Y	Y	Y	22	KNM,CGR
316	2018	18	2-RC-PT-2445	RC/PZR PRESSURE	CONTMT	261'	6	261'	N	GERS	CRS	Y	Y	Y	Y	Y	22	KNM,CGR
317	2010	18	2-RC-PT-2455	RC/PZR PRESSURE	CONTMT	261'	4	261'	N	GERS	CRS	Y	Y	Y	Y	Y	22	KNM,CGR
318	2012	18	2-RC-PT-2456	RC/PZR PRESSURE	CONTMT	261'	5.5	261'	N	GERS	CRS	Y	Y	Y	Y	Y	20, 22	KNM,CGR
319	2014	18	2-RC-PT-2457	RC/PZR PRESSURE	CONTMT	261'	6	261'	N	DOC	CRS	Y	N/A	Y	Y	Y	20, 22	KNM,CGR
320	2025	18	2-RC-PT-2472	RC/PRT PRESSURE	CONTMT	216'	6.8	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
321	4261	18	2-RH-E/P-HCV-2758	RH/RHR HX OUTLET E/P	CONTMT	216'	1.5	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
322	4263	18	2-RH-FT-2605	RH/RHR HX OUTLET FLOW	CONTMT	216'	1.5	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,SEZ,TWH

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
323	4255	18	2-RH-PIC-2602	RH/RHR PUMPS DISCHARGE PRESSURE	CONTMT	216'	16	216'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,SEZ,TWH
324	4246	18	2-RH-PT-2403	RH/RHR PUMP INLET PRESSURE	CONTMT	245'	17	245'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
325	5009	19	2-CC-TE-200	CC/CCW HX OUTLET TEMP	AUX	244'	10/G	256'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
326	5052	19	2-CC-TE-201	CC/CCW PUMPS SUCTION HEADER TEMP	AUX	244'	10/E	258'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
327	5060	19	2-CC-TE-249A	CC/RHR HX COOLING WATER OUTLET TEMP	AUX	244'	11/L	251'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
328	5068	19	2-CC-TE-249B	CC/RHR HX COOLING WATER OUTLET TEMP	AUX	244'	11/L	251'	Y	ABS	CRS	Y	Y	N/A	Y	Y		TWH,SEZ
329	5084	19	2-CC-TE-250A	CC/RHR PUMP SEAL COOLER OUTLET TEMP	CONTMT	231'	1	231'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
330	5085	19	2-CC-TE-250B	CC/RHR PUMP SEAL COOLER OUTLET TEMP	CONTMT	231'	1.5	231'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
331	1087	19	2-CH-TE-2123	CH/REGEN HX OUTLET CHARGING TEMP	CONTMT	241'	6	252'-6"	Y	ABS	CRS	Y	Y	N/A	Y	Y	10	DB,DPM
332	3037	19	2-RC-TE-2313	RC/RVLIS TEMP	CONTMT	281' 6"	10.5	281'-6"	N	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
333	3036	19	2-RC-TE-2314	RC/RVLIS TEMP	CONTMT	278' 10"	11	278'-10"	N	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
334	3028	19	2-RC-TE-2315	RC/RVLIS TEMP	CONTMT	259'	12	261'-1"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
335	3035	19	2-RC-TE-2316	RC/RVLIS TEMP	CONTMT	259'	10	258'-9"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
336	3022	19	2-RC-TE-2317	RC/RVLIS TEMP	CONTMT	216'	17	222'-9"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
337	3024	19	2-RC-TE-2318	RC/RVLIS TEMP	CONTMT	244'	17	241'-3"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
338	3027	19	2-RC-TE-2319	RC/RVLIS TEMP	CONTMT	259'	16	261'-9"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
339	3038	19	2-RC-TE-2323	RC/RVLIS TEMP	CONTMT	274'	10.5	281'-6"	N	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
340	3039	19	2-RC-TE-2324	RC/RVLIS TEMP	CONTMT	274'	11	277'-3"	N	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
341	3040	19	2-RC-TE-2325	RC/RVLIS TEMP	CONTMT	259'	11.6	261'-6"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
342	3041	19	2-RC-TE-2326	RC/RVLIS TEMP	CONTMT	244'	16	257'-11"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
343	3023	19	2-RC-TE-2327	RC/RVLIS TEMP	CONTMT	216'	1	222'-9"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
344	3025	19	2-RC-TE-2328	RC/RVLIS TEMP	CONTMT	244'	1	241'-3"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
345	3026	19	2-RC-TE-2329	RC/RVLIS TEMP	CONTMT	259'	16.5	261'-10"	Y	DOC	CRS	Y	N/A	Y	Y	Y	25	TWH,SEZ
346	4284	19	2-RC-TE-2410	RC/LOOP 1 COLD LEG TEMP (T-COLD)	CONTMT	241'	10.7	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM,CES
347	4283	19	2-RC-TE-2413	RC/LOOP 1 HOT LEG TEMP (T-HOT)	CONTMT	241'	2	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM,CES
348	4288	19	2-RC-TE-2420	RC/LOOP 2 COLD LEG TEMP (T-COLD)	CONTMT	241'	12.3	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM
349	4287	19	2-RC-TE-2423	RC/LOOP 2 HOT LEG TEMP (T-HOT)	CONTMT	241'	14	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM
350	4292	19	2-RC-TE-2430	RC/LOOP 3 COLD LEG TEMPERATURE (T-COLD)	CONTMT	241'	7.5	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
351	4291	19	2-RC-TE-2433	RC/LOOP 3 HOT LEG TEMPERATURE (T-HOT)	CONTMT	241'	8	256'-4"	Y	BS	GRS	Y	Y	N/A	Y	Y	11, O/R39	DB,DPM,CES
352	4257	19	2-RH-TE-2604	RH/RHR HX INLET TEMPERATURE	CONTMT	231'	1	234'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
353	4264	19	2-RH-TE-2606	RH/RHR HX OUTLET TEMPERATURE	CONTMT	216'	3.8	229'	N/A	ABS	CRS	Y	Y	N/A	Y	Y		DB,DPM
354	5565*	20	1-EP-CB-12AN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'		259'	Y	U	CRS	Y	Y	Y	Y	Y		TWH,SEZ
355	5566*	20	1-EP-CB-12BN	EP/HEAT TRACE DISTRIBUTION CABINET	AUX	259'		259'	Y	U	CRS	Y	Y	Y	Y	Y		TWH,SEZ
356	5143	20	2-EI-CB-01	EI/BENCH BOARD 2-1	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y	33	KNM,JJ
357	5144	20	2-EI-CB-02	EI/BENCH BOARD 2-2	SB	277'	CR	277'	Y	ABS	CRS	Y	Y	Y	Y	Y	33	KNM,JJ
358	5145	20	2-EI-CB-03	EI/VERTICAL BOARD 2-1	SB	277'	CR	277'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	13	KNM,JJ
359	5146	20	2-EI-CB-04	EI/VERTICAL BOARD 2-2	SB	277'	CR	277'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	13	KNM,JJ
360	5147	20	2-EI-CB-05	EI/VERTICAL BOARD 2-3	SB	277'	CR	277'	Y	ABS/DOC	CRS	Y	Y	Y	Y	Y	13	KNM,JJ
361	5148	20	2-EI-CB-06A	EI/AUXILIARY SHUTDOWN PANEL	SB	254'	EMER SWGR	254'	N/A	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
362	5149	20	2-EI-CB-06B	EI/AUXILIARY SHUTDOWN PANEL	SB	254'	EMER SWGR	254'	N/A	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
363	5191G	20	2-EI-CB-115A	EI/CONT ISOL TRIP VALVE RELAY PANEL A	AUX	261'	CABLE TUNNEL #2	265'	N	ABS	CRS	Y	Y	Y	Y	Y	14	MS,DB
364	5191K	20	2-EI-CB-116A	EI/CONT ISOL TRIP VALVE RELAY PANEL B	AUX	259'	CABLE TUNNEL #2	265'	N	ABS	CRS	Y	Y	Y	Y	Y	14	MS,DB

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No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
365	5184B	20	2-EI-CB-202	EI/EMERG SWGR RM DG ISOL PANEL (H-TRAIN)	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		CGR, MS
366	5153	20	2-EI-CB-21	EI/HATHAWAY PANELS	SB	277'	LOGIC	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
367	5154	20	2-EI-CB-21A	EI/CONTROL PANEL	SB	277'	8.4/D	287'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,RDC
368	5155	20	2-EI-CB-23A	EI/PROCESS CABINET A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ
369	5156	20	2-EI-CB-23B	EI/PROCESS CABINET B	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
370	5157	20	2-EI-CB-23C	EI/PROCESS CABINET C	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ
371	5158	20	2-EI-CB-23D	EI/PROCESS CABINET D	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
372	5159	20	2-EI-CB-23E	EI/PROCESS CABINET E	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ
373	5160	20	2-EI-CB-23F	EI/PROCESS CABINET F	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
374	5161	20	2-EI-CB-25	EI/CONTROL PANEL	SB	277'	LOGIC	283'	N/A	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
375	5162	20	2-EI-CB-300	EI/ICCM DISPLAY POWER SUPPLY - TRAIN A & B	SB	277'	8.8/D	277'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,MS
376	5163	20	2-EI-CB-301C	EI/CONTROL PANEL	SW	252'	10.8/C	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	TWH,EQE
377	5165	20	2-EI-CB-47A	EI/SOLID STATE PROTECTION INPUT CABINET TRAIN A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ
378	5166	20	2-EI-CB-47B	EI/SOLID STATE PROTECTION INPUT CABINET (TRAIN B)	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
379	5167	20	2-EI-CB-47C	EI/SOLID STATE PROTECTION LOGIC CABINET (TRAIN A)	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
380	5168	20	2-EI-CB-47D	EI/SOLID STATE PROTECTION LOGIC CABINET (TRAIN B)	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
381	5169	20	2-EI-CB-47E	EIP/SOLID STATE PROTECTION OUTPUT CABINET (TRAIN A)	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49, O/R15	SEZ,JJ
382	5170	20	2-EI-CB-47F	EI/SOLID STATE PROTECTION OUTPUT CABINET (TRAIN B)	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
383	5171	20	2-EI-CB-48A	EI/AUXILIARY RELAY RACK I	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
384	5172	20	2-EI-CB-51	EI/PRIMARY PLANT PROCESS CABINET 1	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
385	5173	20	2-EI-CB-52	EI/PRIMARY PLANT PROCESS CABINET 2	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
386	5174	20	2-EI-CB-53	EI/PRIMARY PLANT PROCESS CABINET 3	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
387	5175	20	2-EI-CB-54	EI/PRIMARY PLANT PROCESS CABINET 4	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
388	5176	20	2-EI-CB-55	EI/PRIMARY PLANT PROCESS CABINET 5	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
389	5177	20	2-EI-CB-56	EI/PRIMARY PLANT PROCESS CABINET 6	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
390	5178	20	2-EI-CB-57	EI/PRIMARY PLANT PROCESS CABINET 7	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
391	5179	20	2-EI-CB-58	EI/PRIMARY PLANT PROCESS CABINET 8	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
392	5180	20	2-EI-CB-62A	EI/SAFEGUARDS TEST CABINET A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
393	5181	20	2-EI-CB-62B	EI/SAFEGUARDS TEST CABINET B	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
394	5182	20	2-EI-CB-64A	EI/SOLID STATE PROT SYS AUX RELAY RACK	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
395	5183	20	2-EI-CB-64B	EI/SOLID STATE PROT SYS AUX RELAY RACK	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R49	SEZ,JJ
396	5184	20	2-EI-CP-04	CI/MICROPROCESSOR CABINET	SB	277'	CR	277'	N/A	ABS/DOC	CRS	Y	Y	Y	Y	Y	12	MS,DB
397	5185	20	2-EP-CB-10C	EP/PZR DISTRIBUTION PANEL #2	AUX	280'	RCRM/12/JK	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	TWH,EQE
398	5186	20	2-EP-CB-10F	EP/RCS PZR CONTROL PANEL	AUX	280'	RCRM/12/	280'	Y	ABS	CRS	Y	Y	Y	Y	Y	14	TWH,EQE
399	5191I	20	2-EP-CB-121A	EP/CONT ISOL TRIP VALVE RELAY PANEL	SB	277'	COMPUTER RM #2	277'	Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,JJ
400	5191J	20	2-EP-CB-121B	EP/CONT ISOL TRIP VALVE RELAY PANEL	SB	277'	COMPUTER RM #2		Y	ABS	CRS	Y	Y	Y	Y	Y		KNM,JJ
401	5187	20	2-EP-CB-204	EP/APPENDIX R ISOL PANEL	SB	254'	EMER SWGR	254'	Y	ABS	CRS	Y	Y	Y	Y	Y		MS,DB
402	5188	20	2-EP-CB-28A	EP/AUXILIARY RELAY RACK A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
403	5189	20	2-EP-CB-28B	EP/AUXILIARY RELAY RACK B	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
404	5191H	20	2-EP-CB-28BT	EP/CONT ISOL TRIP VALVE RELAY PANEL	SB	252'	CABLE VAULT #2	255'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,EQE
405	5190	20	2-EP-CB-28C	EP/AUXILIARY RELAY RACK C	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
406	5190A	20	2-EP-CB-28E	EP/AUXILIARY RELAY RACK E	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
407	5190B	20	2-EP-CB-28F	EP/AUXILIARY RELAY RACK F	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y	O/R15	SEZ,JJ
408	5190C	20	2-EP-CB-28G	EP/AUXILIARY RELAY RACK G	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
409	5191	20	2-EP-CB-28H	EP/SW LOGIC CABINET 2A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
410	5191B	20	2-EP-CB-28J	EP/SW LOGIC CABINET 2B	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
411	5597*	20	2-EP-CB-42N1	EP/HEAT TRACE CONTROL CABINET	AFPH	271'	--	271'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
412	5598*	20	2-EP-CB-42R1	EP/HEAT TRACE CONTROL CABINET	AFPH	271'	--	271'	N/A	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
413	5603*	20	2-EP-CB-46A	/ANNUNCIATOR CABINET - 46	AFPH	271'	--	271'	Y	ABS	CRS	Y	Y	Y	Y	Y		DB,DPM
414	5191E	20	2-EP-CB-63A	EP/LOOP STOP VALVE LOGIC CABINET RACK A	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
415	5191F	20	2-EP-CB-63B	EP/LOOP STOP VALVE LOGIC CABINET RACK B	SB	252'	IRR #2	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		SEZ,JJ
416	6036	20	2-EP-DB-16A	EP/120V SEMI-VITAL AC BUS DISTRIBUTION	SB	254'	11/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,SEZ
417	6038	20	2-EP-DB-16B	EP/120V SEMI-VITAL AC BUS DISTRIBUTION	SB	254'	11/D	252'	Y	ABS	CRS	Y	Y	Y	Y	Y		TWH,JJ
418	1145	21	1-CH-TK-1C	CH/BORIC ACID STORAGE TANK C (BAST)	AUX	274'	9.7/H	279'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R35	SEZ,EQE
419	5002	21	2-CC-E-1A	CC/COMPONENT COOLING WATER HX	AUX	274'	9/G	263'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, RDC
420	5006	21	2-CC-E-1B	CC/COMPONENT COOLING WATER HX	AUX	274'	10.5/F	263'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, RDC

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

Filter Criteria: 'S'$eval_type and (not'I'$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 Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
421	1078	21	2-CH-E-1	CH/SEAL WATER HEAT EXCHANGER	AUX	245'	9.5/J	245'	Y	DOC	CRS	Y	N/A	Y	Y	Y	32	KNM,CGR
422	1048	21	2-CH-E-3	CH/REGENERATIVE HEAT EXCHANGER	CONTMT	245'	6	245'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	10, 41	DB,DPM
423	1198	21	2-CH-E-4	CH/EXCESS LETDOWN HEAT ECHANGER	CONTMT	233'	12	233'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	42	DB,DPM
424	1049	21	2-CH-TK-2	CH/VOLUME CONTROL TANK (VCT)	AUX	275'	9.1/J	275'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R35	KNM,CGR
425	4120	21	2-CN-TK-1	CN/CONDENSATE STORAGE TANK	AFPH	271'	16/Q	271'	Y	DOC	CRS	Y	N/A	N/A	Y	Y	43, O/R36	KNM,MS
426	5077	21	2-DG-E-1	DG/PRIMARY DRAIN TRANSFER COOLER	CONTMT	216'	12.5	216'	Y	DOC	CRS	Y	N/A	Y	Y	Y	40	KNM,CGR
427	2045	21	2-GN-TK-1A	GN/N2 RESERVE TANK	CONTMT	291' 10"	5.5	291'-10"	N/A	DOC	CRS	Y	N/A	Y	Y	Y	44	MS,DPM
428	2044	21	2-GN-TK-1B	GN/N2 RESERVE TANK	CONTMT	291' 10"	5.5	291'-10"	N/A	DOC	CRS	Y	N/A	Y	Y	Y	44	MS,DPM
429	5049	21	2-HV-E-6A	HV/SHROUD COOLING COILS	CONTMT	262'	14.8/RC	262'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	KNM,CGR
430	5050	21	2-HV-E-6B	HV/SHROUD COOLING COILS	CONTMT	261'	8/RC	261'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	KNM,CGR
431	5051	21	2-HV-E-6C	HV/SHROUD COOLING COILS	CONTMT	261'	3/RC	261'	Y	DOC	CRS	Y	N/A	Y	Y	Y	45	KNM,CGR
432	5192	21	2-HV-TK-6A	HV/CHILLED WATER EXPANSION TANK	SB	254'	CHILLER RM	262'	Y	DOC	CRS	Y	N/A	Y	Y	Y	46	CGR, RDC
433	5193	21	2-HV-TK-6B	HV/CHILLED WATER EXPANSION TANK	SB	254'	CHILLER RM	262'	Y	DOC	CRS	Y	N/A	Y	Y	Y	46	CGR, RDC
434	5082	21	2-NS-E-1A	NS/NEUTRON SHIELD TANK COOLER	CONTMT	261'	17.5	274'	N	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, MS

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SCREENING VERIFICATION DATA SHEET (SVDS) - USI A-46
NORTH ANNA POWER STATION UNIT 2

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
435	5083	21	2-NS-E-1B	NS/NEUTRON SHIELD TANK COOLER	CONTMT	261'	17.5	274'	N	DOC	CRS	Y	N/A	Y	Y	Y	40	CGR, MS
436	3050	21	2-QS-TK-1	QS/REFUELING WATER STORAGE TANK (RWST)	YARD	--	--	271'	Y	DOC	CRS	Y	N/A	Y	Y	Y	48, O/R38	KNM,EQE
437	2024	21	2-RC-TK-2	RC/PRESSURE RELIEF TANK (PRT)	CONTMT	241' PC	6	241'	Y	DOC	CRS	Y	N/A	Y	Y	Y	23	KNM,CGR
438	4256	21	2-RH-E-1A	RH/RHR HX A	CONTMT	231'	17	231'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	47	MS,DPM
439	4258	21	2-RH-E-1B	RH/RHR HX B	CONTMT	231'	1	231'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	47	MS,DPM
440	5604	21	2-RS-E-1A	RS/INSIDE RECIRC SPRAY COOLER A	CONTMT	216'		242'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	MS,DPM
441	5605	21	2-RS-E-1B	RS/INSIDE RECIRC SPRAY COOLER B	CONTMT	216'		242'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	MS,DPM
442	5606	21	2-RS-E-1C	RS/INSIDE RECIRC SPRAY COOLER C	CONTMT	216'		242'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	MS,DPM
443	5607	21	2-RS-E-1D	RS/INSIDE RECIRC SPRAY COOLER D	CONTMT	216'		242'	N/A	DOC	CRS	Y	N/A	Y	Y	Y	40	MS,DPM
444	1092A	21	2-SI-TK-2	SI/BORON INJECTION TANK (BIT)	AUX	244'	11.5/J	244'	Y	DOC	CRS	Y	N/A	Y	Y	Y	29, O/R37	SEZ,MS
445	1211	21	2-SS-E-10	SS/PZR LIQUID SPACE SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM
446	1241	21	2-SS-E-12	SS/RC COLD LEG SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM
447	5070	21	2-SS-E-34	SS/SAMPLE COOLER	AUX	244'	9/K	244'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	CGR,KNM
448	5071	21	2-SS-E-35	SS/SAMPLE COOLER	AUX	244'	9/K	244'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	CGR,KNM

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Sort Criteria: class + mark_no

No.	Line No.	Equip. Class	Equipment Mark Number	System/Equipment Description	LOCATION Bldg	Flr. Elv.	Rm/Row/Col.	Base Elev.	<40'?	Capacity Spectrum	Demand Spectrum	Cap. > Demand?	Caveats OK?	Anchor OK?	Interact. OK?	Equip. OK?	Notes	SCEs
449	5072	21	2-SS-E-36	SS/SAMPLE COOLER	AUX	244'	9/K	244'	Y	DOC	CRS	Y	N/A	Y	Y	Y	31	CGR,KNM
450	1227	21	2-SS-E-4	HRS/HOT LEG SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM
451	4273	21	2-SS-E-9	SS/RHR SAMPLE COOLER	AUX	274'	9/K	274'	Y	N/A	N/A	Y	N/A	Y	Y	Y	46	CGR,KNM

USI A-46 PROJECT
SCREENING AND VERIFICATION DATA SHEET (SVDS) NOTES

NORTH ANNA POWER STATION UNITS 1 AND 2

March 15, 2000

GENERAL NOTES:

1. For the seismic capacity, refer to calculation 11715-CZC-202.
2. Intent of the GIP is met but not the wording of a screening caveat for an attached weight of 100 lbs.
3. Valve assembly was seismically qualified in accordance w/ IEEE 344-1975 as noted in DCP 80-S32.
4. Valve is identical to valves 1-SS-TV-107A&B (VALCOR), which were seismically qualified to IEEE Std. 344-1975.
5. Transmitters were replaced by DCP 84-48 and were qualified to IEEE 344-1975.
6. Transmitters were replaced by DCP 84-47 and were qualified to IEEE 344-1975.
7. This component is pipe/line mounted.
8. Transmitters were installed by DCP 81-S08 and were qualified to IEEE 344-1975.
9. Transmitter was installed by DCP 81-14A and was qualified to IEEE 344-1975.
10. Due to ALARA concerns, this component was not walked-down but was verified using VIMS and drawings.
11. This component is approximately 42' above effective grade; therefore intent of the GIP is met but not the exact wording.
12. Cabinets were installed by DCP 85-07 (Unit 1) and DCP 85-08 (Unit 2) and were qualified to IEEE Std. 344-1975.
13. For seismic qualification and anchorage capacity, refer to EQE Report No. 42071-R-001 dated 6-26-91 and SWEC calculations 11715-NM (B)-268-CZC & 11715-NM (B)-287-CZC.
14. Intent of the GIP is met for capacity vs. demand.
15. One bolt nut for pump 2-SW-P-1A base plate support was missing. An evaluation was performed to evaluate this condition and it found acceptable. Refer to calculation CE-1157. The missing nut was installed.
16. Discussions with valve vendor VELAN indicated that the valve has been qualified to 3g horizontal and 2g vertical seismic acceleration values. The vendor also indicated that the operator weight is about 700 lbs. This weight is within the GIP requirement. The 2g and 3g values are also in the Westinghouse valve specification 676258, page 8 of 20 Section 4.2.14. The valve is therefore found acceptable.
17. Capacity exceeds demand by less than 10% in the narrow frequency band (10.5 to 11.5 Hz); hence, it is considered to meet the intent of the GIP.
18. This is a VALCOR valve that is seismically qualified to the requirements of IEEE Std. 344-1975 by Dayton T. Brown, report number DTB-04R79-0765.
19. An amplification factor of 4.5 was used to compare the in-structure ARS with GERS.
20. The transmitter is a ROSEMOUNT transmitter, which has been seismically qualified to IEEE Std. 344-1975 by ROSEMOUNT report number D830004D.
21. Pumps are being replaced by DCP 95-015. The existing pumps have A307 bolts in the column flange connections that meet the operability criteria. The replacement pumps will have A193 Grade B7 bolts.

22. The transmitter rack is found to have natural frequency 33 Hz. Therefore, no amplification of CRS is used to compare it to GERS. Refer to seismic report by Hansen, Holley and Biggs dated August 3, 1973.
23. Tank and its anchorage evaluation were performed under calculation CE-0946.
24. Batteries and racks are new and are qualified to IEEE Std. 344-75 per Wyle test reports 43078-1 and 42356-1.
25. Documentation reference for temperature elements is Westinghouse test report WCAP-8687, Supplement 2-E42A, Rev. 1.
26. These components were not found and it was believed that they have been replaced with temperature indicating transmitters.
27. These components and supports were seismically qualified to capacities greater than demand per installation DCP 78-44.
28. IEEE Std. 344-1975 qualified this component to higher capacity than demand per Virginia Power Qualification Documentation Report (QDR) 8.24.
29. Tanks on legs are not covered in caveats of bounding spectrum; therefore, a calculation was prepared to show that the tank is qualified.
30. Transmitter racks were qualified by reference calculations RG 1.97, NAS 90-34 and NAS 90-41 and Calculation by Hasten, Holley & Briggs, Cambridge Mass.
31. Vendor documentation was used to determine that capacity > demand. Anchorage was judged acceptable.
32. Capacity is greater than demand per seismic calculation CE-1170.
33. Anchorage was qualified per calculation CE-0775 R/O.
34. The transmitter was originally Barton 384, but it has been replaced by Rosemount model 1151 per DCP 94-179.
35. Anchorage was qualified in calculation CE-1157.
36. The SOVs are qualified to the requirements of IEEE Std. 344-75, ASCO Test Report #AQR-63768, Rev. 1.
37. Refer to the equipment SEWS sheet and the accompanying calculation for documentation of seismic capacity.
38. Refer to Altran Corporation Calculation 96247-C-04.
39. Westinghouse Specification E-676270, rev. 1 required valves to be able to withstand seismic loading of 3g horizontal and 2g vertical. Calculation 14938.02-NP (B)-010-XC, rev. 0, addendum 0D determined accelerations at valve and operator to be within these limits with valves modeled as flexible. Calculation CE-1436 contains the qualification of the valves.
40. Analytical evaluation of component and anchorage has been documented and filed with SEWS.
41. Analysis has been performed in EQE Calculation No. 52308.02-C-007.
42. Analysis has been performed in EQE Calculation No. 52308.02-C-010.
43. Analysis has been performed in EQE Calculation No. 52182-C-038.
44. A review was performed of an existing SWEC calculation ND-12050-DC-16-002, Rev. 2 and concluded the adequacy of component and anchorage.
45 Existing documentation was reviewed to conclude the adequacy of component and anchorage.
46. Component and anchorage are concluded to be acceptable based on tug tests, comparison to similar anchorage, and engineering judgement.
47. A review was performed of existing SWEC calculation No. 13075.17-2 and EQE calculation No. 52182-C-034 to conclude adequacy of component and anchorage
48. An analysis was performed in EQE Calculation No. 52308.04-C-004.

49. Westinghouse Specification E-676270, rev. 1 required valves to be able to withstand seismic loading of 3g horizontal and 2g vertical. Calculation CE-1109, rev. 0, addendum 0C determined accelerations at valve and operator to be outside these limits, however, a calculation (CE-1436) was prepared to demonstrate that the valves are qualified.

NOTES FOR OUTLIERS-RESOLVED (O/R):

O/R1. Refer to the equipment SEWS sheets for seismic capacity.

O/R2. This equipment is Class 0. Refer to calculation 11715-CZC-202 and USI A-46 calculation for seismic analysis of component and anchorage.

O/R3. This component is a Class 0 component and it was resolved by using EPRI guidelines for Motor Operated Dampers.

O/R4. Nuts for U-bolt attaching PCVs to baseplate were loose. Nuts were tightened per W.O.#160003.

O/R5. Seismic interaction issues with associated SOVs and adjacent pipe support were resolved by DCP 94-012.

O/R6. Seismic interaction issue with 2-RC-PCV-2455C was resolved by DCP 94-012.

O/R7. Replaced SOV with nuclear grade ASCO model NP831654E. Reference W.O. #00309486 and IEER N94-5030-K00.

O/R8. In some locations, the grating adjacent to air lines for trip valves was not properly secured. This issue was resolved in a memo from D. B. Roth to C. E. Sorrell, which noted that air supply to trip-valves is not required.

O/R9. Gap under base is greater than 1/4". Anchorage review shows that the bolts are acceptable.

O/R10. One anchor bolt was missing. Deviation Report N-94-1080 was submitted and corrected by W.O. 00297822-01. Anchorage review is documented in Engineering Transmittal ET CEM-94-002.

O/R11. Free standing weight scale on rollers was adjacent to this component, however, the scale has been removed from area.

O/R12. This component is mounted to a block wall. It is a small component for which anchorage was determined acceptable by a tug test and/or anchorage is very robust.

O/R13. Approx. 1/4" gap exists for 1 bolt, however, this was resolved by an anchorage evaluation. Refer to the SEWS package.

O/R14. Flexible conduit w/small electrical box is attached but it was not restrained. It was removed by implementing Work Order No. 160238.

O/R15. Cabinets contain essential relays and were bolted together by DCP 93-015.

O/R16. Unistrut is embedded in concrete used for anchorage. Anchorage was evaluated and was found to be acceptable.

O/R17. Contains strip chart recorders, however, cabinet and components within were qualified to IEEE Std. 344-1975.

O/R18. Side to side restraint concern of Westinghouse DB-50 breakers was resolved by using test data from WCAP-7817, rev. 6 (Aug. 1974).

O/R19. The tank is supported on legs and skirt. An analysis was performed to demonstrate the adequacy of the tank and its anchorage.

O/R20. This tank is buried underground. A qualitative analysis was performed to demonstrate the adequacy of tank and the flexibility of piping.

O/R21. This is a class "0" item of equipment and is lightweight. It was tug tested and found to be rugged and supported well.

O/R22. Capacity exceeds the demand by less than 10% in a narrow frequency range (10.5 to 11.5 Hz); hence, it is considered to meet the intent of GIP.

O/R23. Anchorage type is not covered by GIP and the cabinets have essential relays. The anchorage calculation was performed and found acceptable. Adjacent cabinets were bolted to ensure that the cabinets do not impact with each other and chatter the relays. Calculation CE-1096 was performed to bolt the cabinets together under DCP 93-015-3.

O/R24. Anchorage type is not covered by GIP and the cabinets are next to cabinets that have essential relays. Calculation was performed to evaluate anchorage and the cabinets were bolted together under DCP 93-015-3.

O/R25. The cabinet bolt head in the back was close (1/8") to the concrete wall in the back. The cabinet was bolted to the wall under DCP 95-017. Anchorage calculation was also performed and found acceptable. HCLPF judged greater than 0.3g from the calculation.

O/R26. The surge tank is supported on four legs, which is an outlier. An evaluation was performed and it was found that the tank legs require modification along with anchorage. The tank legs and anchorage were modified under DCP 96-014-3.

O/R27. Cabinets contain essential relays and were bolted together or fixed to prevent the interaction. Reference: DCP 95-17-3.

O/R28. A 1/4" nut and washer were missing on the bracket to the support. Deviation Report (DR) N-94-1343 was issued and the resolution was implemented via Work Order 00299678-01.

O/R29. Transformer was missing two bolts, which were replaced per Work Order No. 039473.

O/R30. Junction boxes are class "0" equipment and are outliers. This issue was resolved by performing analytical evaluation and comparison to similar NEMA type junction boxes.

O/R31. Interaction (clearance of 3/16" with adjacent cabinet) was resolved by calculation CE-1096 and an evaluation is contained in the equipment SEWS.

O/R32. The interaction with platform grating and SOV supports was found to be not credible on further walkdown.

O/R33. Outlier consisted of a gap between base and concrete of 2.75". Anchorage was found adequate as documented in calculation CE-1179 R/O. Capacity is >0.38g (pga).

O/R34. The nuts for the bolts connecting the transformer coils to the base channels have been tightened.

O/R35. The tank is supported on legs. An analysis was performed to demonstrate the adequacy of the tank and its anchorage.

O/R36. The tank is unanchored and is protected by a 2' thick missile shield concrete jacket all around. Calculation 52182-C-038 was performed to show the adequacy of the tank.

O/R37. The tank is supported on legs. Calculation 52308.04-C-002 was performed to demonstrate the adequacy of the tank and its anchorage.

O/R38. The tank is analyzed using the method outlined in Brookhaven National Laboratory report BNL-52361, dated January 1993.

O/R39. Conduit support and Temperature Element concerns were noted and resolved by Work Order (W.O.) 271370.

O/R40. The transmitter is supported from a pipe off the Boric Acid Storage Tank (BAST), which is a tank on four legs, and is considered an outlier. The BAST has been evaluated and found acceptable, therefore, the outlier is considered resolved.

O/R41. Pressure gage/regulator assembly, which is mounted to valve operator, is approximately 5/8" away from post for adjacent handrail. The clearance was evaluated and it was concluded that potential displacements during a seismic event would not affect the operability or structural integrity of the pressure gage/valve.

O/R42. Friction Clips used in transformer cabinet anchorage may have a small gap with the base channel. The coils are not laterally restrained at the top, however, the transformer has been seismically tested. To improve the anchorage capacity, welding was performed to weld the base channel to the embedded channel. DCP 98-002 accomplished this. Calculation CE-1394 evaluated the adequacy of the transformer anchorage. The nuts for the bolts connecting the transformer coils to the base channels have been tightened per this DCP.

O/R43. Valve operator cantilever length exceeds limits of Figure B.7-1 of the GIP. A further

review of the valve/yoke was performed in calculation CE-1436. The valves are qualified to the levels predicted by the piping analyses, which modeled the valves as flexible.

O/R44. A clamp support, which was close to the flow switch and had a potential for interaction was moved 1" away via Engineering Transmittals CEM-97-10/12 to the Station and Work Order No. 00362829 in September 1997.

O/R45. There is a space heater suspended on long rod hangers over the battery chargers and near the batteries. Swaying of the heater was evaluated and found to be not credible to break the connecting steam/condensate line and spray the batteries.

O/R46. Cabinet contains essential relays and is bolted to adjacent cabinet by DCP 90-005.

O/R47. Interaction between limit switch support bracket for valve 2-FW-FCV-2479 and floor beam was resolved by implementing the requirement provided in ET-CEM-99-0017.

O/R48. The CR ceiling frame and anchorage has been addressed in EQE calculation 52182-C-033. The Control Room (CR) Ceiling panels were tied to the T-bars on which they rest using metal clips, to prevent their falling during a strong motion. This was accomplished via Engineering Transmittal CEM 99-019, Rev. 1 and Work Order 420902-01.

O/R49. Movable CO_2 fire extinguisher carts on wheels, tables, trashcans, etc., were a few inches away. This and other housekeeping issues in the Emergency Switchgear room and other locations were identified in Engineering Transmittal No. CEM-97-0032, and were resolved by issuing and implementing a Station Administrative Procedure VPAP-0312.

O/R50. This Cabinet contains essential relays and Engineering Transmittal ET CEM-99-033 and Work Order 00420959-01/2/3/4 connected it to the adjacent MCC.