VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

October 29, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Serial No. 285
E&C/PEC:klh:2007N
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
RESOLUTION OF SER'S FOR ENVIRONMENTAL QUALIFICATION
OF SAFETY-RELATED ELECTRICAL EQUIPMENT

On March 24, 1983, Vepco received the NRC Safety Evaluation Report (SER) for the Environmental Qualification of Safety-Related Electrical Equipment at North Anna Power Station Units 1 and 2. The SER contained a Technical Evaluation Report (TER) which noted a number of environmental qualification deficiencies for safety-related electrical equipment at North Anna. Vepco formally responded to the TER deficiencies on April 29, 1983 (Serial No. 110B). On March 19, 1984, Vepco met with members of the NRC Staff to further discuss our method of resolution for each of the deficiencies noted in the North Anna TER. The TER deficiencies identified and the status of their resolutions are contained in Attachment 1 which is Vepco's "Status of Environmental Qualification of Electrical Equipment" for the North Anna Power Station. This attachment also contains the list of equipment at North Anna within the scope of 10CFR50.49. Appropriate notations have been added to the list which indicate whether equipment 1) is qualified, 2) will be qualified and on what schedule, or 3) deleted from the list. The Justification for Continued Operation (JCO) listed in Attachment 2 is the only currently applicable JCO. Several JCO's previously provided to the NRC are no longer applicable since either the equipment referenced by the JCO has been qualified or replaced with qualified equipment during the current refueling outages.

At the March 19, 1984 meeting, the Staff also requested confirmation that the Design Basis Events at North Anna Power Station which could result in a potentially harsh environment, including flooding outside containment, were addressed in identifying the safety-related electrical equipment required to be environmentally qualified. The flooding and environmental effects resulting from postulated Design Basis Events are documented in the North Anna Final Safety Analysis Report (FSAR). The effects of flooding and the environmental effects resulting from High-Energy Line Breaks (HELB) outside containment are documented in our response to the initial Safety Evaluation Report for Unit 1

A046
1/1

dated August 24, 1981 (Serial No. 330). Approval of this response is documented in Section 4.3.5 of the TER. Therefore, the Design Basis Events which could potentially result in a harsh environment at North Anna Power Station were considered in the identification of electrical equipment within the scope of Paragraph(b)(1) of 10CRF50.49.

Additionally it was requested at the March 19, 1984 NRC/Vepco meeting that Vepco provide its general methodology for the identification of equipment within the scope of 10CFR50.49, paragraph (b).

(A) Safety-Related Electric Equipment - 10CFR50.49(b)(1)

Vepco prepared its initial list of safety-related electric equipment in response to IEB 79-01B and NUREG-0588 by determining what safety-related plant electrical equipment is required to function to obtain safe hot shutdown. This list was based on reviews of the Final Safety Analysis Report (FSAR), Technical Specifications, Emergency and Abnormal Operating Procedures and flow and electrical diagrams for safety systems. Mechanical and auxiliary systems necessary to support the operation of equipment on the Environmental Qualification Master List (EQML) (e.g., cooling water or lubricating systems) were also considered. The electrical equipment identified is incorporated into the EQML, which was reviewed and accepted by the NRC on May 20, 1981 (Unit 1) and June 3, 1981 (Unit 2). Subsequent to that time, electrical items which were installed due to TMI requirements and are located in a harsh environment have been added and items to be qualified under Regulatory Guide 1.97 have been identified on the EQML. With the issuance of the EQ Rule (10CFR50.49), those EQML items identified as located in a mild environment were deleted. Subsequent reviews and/or local refinements of the Environmental Zone Descriptions have identified a few additional mild environment items, which have also been deleted.

(B) Non-Safety Related Equipment - 10CFR50.49(b)(2)

The methodology for the "(b)(2)" review was submitted to the NRC by our letter dated December 1, 1983 (Serial No. 668A). In summary, paragraph (b)(2) of 10CFR50.49 requires that licensees identify "Nonsafety-related electric equipment whose failure under postulated environmental conditions could prevent satisfactory accomplishment of safety functions ...". The methodology that was used to identify such equipment is summarized below:

1. A list of safety-related electrical equipment (as defined in paragraph (b)(1) of 10CFR50.49) required to remain functional during or following design-basis Loss of Coolant Accident (LOCA) or High Energy Line Break (HELB) Accidents was generated. The LOCA/HELB accidents are the only design-basis accidents which result in significantly adverse environments to electrical equipment which is required for safe shutdown or accident mitigation. This list was based on reviews of the Final Safety Analysis Report (FSAR), Technical Specifications, Emergency and

Abnormal Operating Procedures, and flow and electrical diagrams for safety systems.

2. The elementary wiring diagrams of the safety-related electrical equipment identified in Step 1 have been reviewed to identify any auxiliary devices electrically connected directly into the control or power circuitry of the safety-related equipment (e.g., automatic trips) whose failure due to postulated environmental conditions could prevent the required operation of the safety-related equipment.

3. The operation of safety-related systems and equipment was reviewed to identify any directly mechanically connected auxiliary systems with electrical components which are necessary for the required operation of the safety-related equipment (e.g., cooling water or lubricating systems). This involved the review of electrical and flow diagrams, component technical manuals, and/or system descriptions in the FSAR.

4. Nonsafety-related electrical circuits indirectly associated with the electrical equipment identified in Step 1 by common power supply or in physical proximity were considered by a review of the original North Anna Power Station electrical design including the use of applicable industry standards (e.g., IEEE, NEMA, ANSI, UL, and NEC) and the use of properly coordinated protective relays, circuit breakers, and fuses for electrical circuit fault protection.

The failure due to environmental effects on systems and equipment identified by the process delineated in Steps 2, 3 or 4 above was reviewed for potential impact on the EQML equipment. No additional EQML equipment was identified by this review. However, the review did identify that a short circuit on certain non-safety branch circuits fed from the 120 VAC Vital Bus System could potentially degrade the voltage on the Vital Bus. Even though the likelihood of such an occurrence is low, Vepco is proceeding to install in-line fuses to protect the Vital Bus from faults on the non-safety branch circuits on Unit 2. Unit 1 modifications are complete.

(C) Post-Accident Monitoring Equipment - 10CFR50.49(b)(3)

The Post-Accident monitoring instrumentation is presently derived from Regulatory Guide 1.97, Revision 3 by comparing, on a point-by-point basis, the list of generic points in Regulatory Guide 1.97 Revision 3 with existing plant parameters. The resultant list, including the equipment to be added, was transmitted to the NRC for review on January 31, 1984 (Serial No. 054). Upon completion of the NRC review, the Category 1 and 2 variables will be added to the EQML. Certain of these items have been identified in Attachment 1 and will be qualified under the Regulatory Guide 1.97 implementation schedule.

During the March 19, 1984 meeting, the NRC staff inquired about the Vepco plans for long-term maintenance of environmentally qualified electrical equipment. We recognize this to be an important aspect of the environmental qualification program. Accordingly, we have been taking steps to integrate an effective EQ maintenance program into existing station programs. Upon complete implementation, Vepco's surveillance/maintenance program will ensure continued qualification of equipment on the EQML and will consist of the following basic components:

- Documentation of the maintenance/surveillance program and responsibilities
- Documentation of maintenance/surveillance requirements
- Control of maintenance/surveillance practices
- Maintenance/surveillance training
- Control of replacement parts
- Routine preventive maintenance, including replacement of aged parts at the end of their design life
- Failure trend analysis
- Control of maintenance/surveillance records

The continued maintenance of "qualified" electrical equipment will also depend on the incorporation of pertinent information disseminated to the industry. Such information is available from several sources, such as equipment vendors, INPO and the NRC (primarily via I&E Notices and Bulletins). Proper review of this information for applicability is performed by Vepco at both the corporate and station level and is documented. If such industry information affects the qualification status of any electrical equipment, the information will be evaluated for inclusion into the surveillance/maintenance program as discussed previously.

In order to ensure that design modifications will not adversely affect the continued environmental qualification program, the Engineering procedures will be revised to ensure EQ requirements are incorporated in Design Change Packages (DCPs) and that control of the EQML and qualification documents are addressed in future DCPs.

Vepco's aging evaluation program, which will be incorporated into the surveillance/maintenance programs as discussed above, was submitted to the NRC in the response to the initial SER's for North Anna in mid-1981. Approval of Vepco's aging evaluation program, subject to implementation, is documented in section 4.3.6 to the TER.

With the equipment identified and qualified, or scheduled for modification or replacement, Vepco's environmental qualification program, in response to the requirements of 10CFR50.49, is in place. The essence of this program as described in this letter includes the following: (1) identification of equipment covered by the EQ rule, (2) replacement of unqualified equipment in Unit 1 and plans for replacement of unqualified equipment in Unit 2 as identified in Attachment 1, (3) the establishment of the supporting equipment qualification files and (4) the submittal of one necessary exemption request (Attachment 2) for the Hydrogen Recombiner (Vepco letter June 18, 1984 s/n 298).

The complimentary maintenance and surveillance programs are being developed and implemented based on the most recent upgrade of EQML equipment during the refueling outages. These programs will include the provisions for aging and failure trending to empirically validate and monitor service life for this equipment. The aging and failure trending analysis programs will be implemented by January 31, 1985.

Accordingly, it is requested that a supplemental SER be issued to indicate that Vepco's environmental qualification program, with the exceptions noted herein, has been implemented and that the March 24, 1983 SER deficiencies have been resolved.

Very truly yours,

W. L. Stewart

Attachments (2)

cc: Mr. James P. O'Reilly (w/attachments)
Regional Administrator
Region II
USNRC

Mr. M. W. Branch (w/attachments)
NRC Resident Inspector
North Anna Power Station

ATTACHMENT 1

STATUS OF ENVIRONMENTAL QUALIFICATON OF ELECTRICAL EQUIPMENT

NORTH ANNA POWER STATION

NOTE & CATEGORY GUIDE

NORTH ANNA

Note 1: Qualified equipment will be installed by the second refueling outage after March 31, 1982. These outage end dates are presently scheduled for completion by 09/28/84 and 10/28/84 for Units 1 and 2 respectively.

Note 2: Will be upgraded to Regulatory Guide 1.97 requirements and added to the Master List in accordance with our NUREG-0737 Supplement 1 response by the third refueling after March 31, 1982. These outage end dates are presently scheduled for completion by 04/07/86 and 04/21/86 for Units 1 and 2 respectively.

Note 3: Will be upgraded to Regulatory Guide 1.97 requirements and added to the Master List in accordance with our NUREG-0737 Supplement 1 response during the 1987 refueling outages.

NRC CATEGORY	CATEGORY DESCRIPTION
I.A.	EQUIPMENT QUALIFIED
I.B	EQUIPMENT QUALIFICATION PENDING MODIFICATION REVIEW WAS NOT PERFORMED ON EQUIPMENT IDENTIFIED AS BEING REPLACED PRIOR TO COMMENCEMENT OF FAC REVIEW
II.A	EQUIPMENT QUALIFICATION NOT ESTABLISHED
II.B	EQUIPMENT NOT QUALIFIED
II.C	EQUIPMENT SATISFIES ALL REQUIREMENTS EXCEPT QUALIFIED LIFE OR REPLACEMENT SCHEDULE JUSTIFIED
III.A	EQUIPMENT EXEMPT FROM QUALIFICATION
III.B	EQUIPMENT NOT IN THE SCOPE OF THE REVIEW
IV.	DOCUMENTATION NOT MADE AVAILABLE

DJF/lms/MISC5/119

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
1.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-RS-100A	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified
		MOV-RS-155A	Outside Recirculation Spray Suction		Additional Documentation in QDR	Qualified
		MOV-RS-155B	Outside Recirculation Spray Suction		Additional Documentation in QDR	Qualified
		MOV-RS-156A	Outside Recirculation Spray Discharge		Additional Documentation in QDR	Qualified
		MOV-RS-156B	Outside Recirculation Spray Discharge		Additional Documentation in QDR	Qualified
		MOV-QS-100A	Quench Spray Pump Suction		Additional Documentation in QDR	Qualified
		MOV-QS-100B	Quench Spray Pump Suction		Additional Documentation in QDR	Qualified
		MOV-QS-101A	Quench Spray Pump Discharge		Additional Documentation in QDR	Qualified
		MOV-QS-101B	Quench Spray Pump Discharge		Additional Documentation in QDR	Qualified
	9.	MOV-QS-201A	Quench Spray Pump Discharge		Additional Documentation in QDR	Qualified
	9.	MOV-QS-201B	Quench Spray Pump Discharge		Additional Documentation in QDR	Qualified
	9.	MOV-RS-255A	Outside Recirculation Spray Suction		Additional Documentation in QDR	Qualified
	9.	MOV-RS-255B	Outside Recirculation Spray Suction		Additional Documentation in QDR	Qualified
	9.	MOV-RS-256A	Outside Recirculation Spray Discharge		Additional Documentation in QDR	Qualified
	9.	MOV-RS-256B	Outside Recirculation Spray Discharge		Additional Documentation in QDR	Qualified
	9.	MOV-RS-200A	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified
	9.	MOV-QS-200A	Quench Spray Pump Suction		Additional Documentation in QDR	Qualified
	9.	MOV-QS-200B	Quench Spray Pump Suction		Additional Documentation in QDR	Qualified
2.		LIMITORQUE MOTOR OPERATED VALVES		I.B	AGING QUALIFIED LIFE RADIATION	
		MOV-1890C	Low Head Safety Injection Line Stop Valve		Removed Unqualified Brake Assemblies	Qualified
	9.	MOV-2890C	Low Head Safety Injection Line Stop Valve		Removed Unqualified Brake Assemblies	Qualified
3.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-RS-100B	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified
		MOV-RS-101A	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified
	9.	MOV-RS-200B	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified
	9.	MOV-RS-201A	Casing Cooling to Outside Recirculation Spray Pump		Additional Documentation in QDR	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
4.		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1864A Low Head Safety Injection Discharge Valve		Additional Documentation in QDR	Qualified
		MOV-1864B Low Head Safety Injection Discharge Valve		Additional Documentation in QDR	Qualified
	15.	MOV-2864A Low Head Safety Injection Discharge Valve		Additional Documentation in QDR	Qualified
	15.	MOV-2864B Low Head Safety Injection Discharge Valve		Additional Documentation in QDR	Qualified
5.		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1860A Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
		MOV-1860B Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
		MOV-1885A Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
		MOV-1885B Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
	116.	MOV-2860A Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
	116.	MOV-2860B Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
	116.	MOV-2885A Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
	116.	MOV-2885B Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
6.		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1862A Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
		MOV-1862B Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
		MOV-1885C Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
		MOV-1885D Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
	15.	MOV-2885C Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
	15.	MOV-2885D Low Head Safety Injection Recirculation Valve		Additional Documentation in QDR	Qualified
	15.	MOV-2862A Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified
	15.	MOV-2862B Low Head Safety Injection Suction Valve		Additional Documentation in QDR	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
7.		LIMITORQUE MOTOR OPERATED VALVES		I.B	SIMILARITY AGING QUALIFIED LIFE	
		MOV-RS-101B	Casing Cooling to Outside Recirculation Spray Pump	Replaced Unqualified Parts		Qualified
	9.	MOV-RS-201B	Casing Cooling to Outside Recirculation Spray Pump	Replaced Unqualified Parts		Qualified
8.		LIMITORQUE MOTOR OPERATED VALVES		I.B	AGING QUALIFIED LIFE RADIATION	
		MOV-1890A	Low Head Safety Injection Line Stop Valve	Replaced Unqualified Parts		Qualified
		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
	12.	MOV-2890A	Low Head Safety Injection Line Stop Valve	Additional Documentation in QDR		Qualified
9.		LIMITORQUE MOTOR OPERATED VALVES		I.B	AGING QUALIFIED LIFE RADIATION	
		MOV-1890B	Low Head Safety Injection Line Stop Valve	Replaced Unqualified Parts		Qualified
		MOV-1890D	Low Head Safety Injection Line Stop Valve	Replaced Unqualified Parts		Qualified
	9.	MOV-2890D	Low Head Safety Injection Line Stop Valve	Replaced Unqualified Parts		Qualified
	12.	MOV-2890B	Low Head Safety Injection Line Stop Valve	Replaced Unqualified Parts		Qualified
10.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-1867C	Boron Injection Tank Outlet Valve	Additional Documentation in QDR		Qualified
	16.	MOV-2867C	Boron Injection Tank Outlet Valve	Additional Documentation in QDR		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
11.		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1373 Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2373 Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
12.		LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1381 Seal Water Return Service	Additional Documentation in QDR		Qualified
		MOV-1869B Charging Pump Safety Injection Stop Valve	Additional Documentation in QDR		Qualified
		MOV-1869A Charging Pump Safety Injection Stop Valve	Additional Documentation in QDR		Qualified
		MOV-1863B Low Head Safety Injection Discharge Valve	Additional Documentation in QDR		Qualified
		MOV-1863A Low Head Safety Injection Discharge Valve	Additional Documentation in QDR		Qualified
		MOV-1836 High Head Cold Leg PA Circulation Isolation Valve	Additional Documentation in QDR		Qualified
		MOV-1270B Low Head and Volume Control Tank Discharge to Charging Pump	Additional Documentation in QDR		Qualified
		MOV-1269B Low Head and Volume Control Tank Discharge to Charging Pump	Additional Documentation in QDR		Qualified
		MOV-1267B Low Head Safety Injection to Charging Pump	Additional Documentation in QDR		Qualified
		MOV-1370 Charging Pump to Seal Water Recirculation Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2863A Low Head Safety Injection Discharge Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2863B Low Head Safety Injection Discharge Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2267B Low Head Safety Injection Charging Pump	Additional Documentation in QDR		Qualified
	6.	MOV-2269B Low Head and Volume Control Tank Discharge to Charging Pump	Additional Documentation in QDR		Qualified
	6.	MOV-2270B Low Head and Volume Control Tank Discharge to Charging Pump	Additional Documentation in QDR		Qualified
	6.	MOV-2370 Charging Pump to Seal Water Recirculation Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2869A Charging Pump Safety Injection Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2869B Charging Pump Safety Injection Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2836 Cold Leg Circulation Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2381 Seal Water Return Service	Additional Documentation in QDR		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
13.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-1275C	Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
		MOV-1275B	Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
		MOV-1275A	Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2275A	Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
	6.	MOV-2275C	Charging Pump Recirculation Stop Valve	Additional Documentation in QDR		Qualified
		LIMITORQUE MOTOR OPERATED VALVES		I.B	DOCUMENTATION	
	3.	MOV-2275B	Charging Pump Recirculation Stop Valve	Replaced Unqualified Parts		Qualified
14.		LIMITORQUE MOTOR OPERATED VALVES		I.B	AGING QUALIFIED LIFE RADIATION	
		MOV-1115D	Charging Pump Suction From Refueling Water Storage Tank	Replaced Unqualified Parts		Qualified
		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
	5.	MOV-2115D	Charging Pump Suction from Refueling Water Storage Tank	Additional Documentation in QDR		Qualified
15.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-1286B	Charging Pump Discharge Valve	Additional Documentation in QDR		Qualified
	7.	MOV-2286B	Charging Pump Discharge Valve	Additional Documentation in QDR		Qualified
16.		LIMITORQUE MOTOR OPERATED VALVES		I.B	SIMILARITY AGING QUALIFIED LIFE	
		MOV-1269A	Low Head Safety Injection and Volume Control Tank Discharge Valve	Replaced Unqualified Parts		Qualified
		MOV-1115B	Charging Pump Suction From Refueling Water Storage Tank Valve	Replaced Unqualified Parts		Qualified
	7A.	MOV-2269A	Low Head Safety Injection and Volume Control Tank Discharge Valve	Replaced Unqualified Parts		Qualified
	7A.	MOV-2115B	Charging Pump Suction From Refueling Water Storage Tank Valve	Replaced Unqualified Parts		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
17.			LIMITORQUE MOTOR OPERATED VALVES	II.C	AGING QUALIFIED LIFE	
		MOV-1270A	Low Head Safety Injection and Volume Control Tank Discharge Valve	Additional	Documentation in QDR	Qualified
		MOV-1267A	Low Head Safety Injection to Charging Pump	Additional	Documentation in QDR	Qualified
		MOV-1867D	Boron Injection Tank Outlet Valve	Additional	Documentation in QDR	Qualified
		MOV-1867B	Boron Injection Tank Inlet Valve	Additional	Documentation in QDR	Qualified
		MOV-1867A	Boron Injection Tank Inlet Valve	Additional	Documentation in QDR	Qualified
		MOV-1287C	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
		MOV-1287B	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
		MOV-1287A	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
		MOV-1289B	Charging Pump Discharge Line Stop Valve	Additional	Documentation in QDR	Qualified
		MOV-1289A	Charging Pump Discharge Line Stop Valve	Additional	Documentation in QDR	Qualified
		MOV-1286C	Charging Pump Discharge Valve	Additional	Documentation in QDR	Qualified
		MOV-1286A	Charging Pump Discharge Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2286A	Charging Pump Discharge Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2286C	Charging Pump Discharge Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2287A	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2287B	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2287C	Charging Pump Stop Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2867A	Boron Injection Tank Inlet Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2867B	Boron Injection Tank Inlet Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2867D	Boron Injection Tank Outlet Valve	Additional	Documentation in QDR	Qualified
	7.	MOV-2267A	Low Head Safety Injection To Charging Pump	Additional	Documentation in QDR	Qualified
	7A.	MOV-2289A	Charging Pump Discharge Line Stop Valve	Additional	Documentation in QDR	Qualified
	7A.	MOV-2289B	Charging Pump Discharge Line Stop Valve	Additional	Documentation in QDR	Qualified
	7A.	MOV-2270A	Low Head Safety Injection and Volume Control Tank Discharge Valve	Additional	Documentation in QDR	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
18.		LIMITORQUE MOTOR OPERATED VALVES		I.B	SIMILARITY AGING QUALIFIED LIFE	
		MOV-SW-101A	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
		MOV-SW-101B	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
		MOV-SW-101C	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
		MOV-SW-101D	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
		MOV-SW-105A	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
		MOV-SW-105B	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
		MOV-SW-105C	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
		MOV-SW-105D	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
		MOV-SW-106A	Recirculation Spray Heat Exchanger Header Outlet Crossover		Replaced Unqualified Parts	Qualified
		MOV-SW-106B	Recirculation Spray Heat Exchanger Header Outlet Crossover		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-201A	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-201B	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-201C	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-201D	Recirculation Spray Heat Exchanger Header Inlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-205A	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-205B	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-205C	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-205D	Recirculation Spray Heat Exchanger Header Outlet		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-206A	Recirculation Spray Heat Exchanger Header Outlet Crossover		Replaced Unqualified Parts	Qualified
	6.	MOV-SW-206B	Recirculation Spray Heat Exchanger Header Outlet Crossover		Replaced Unqualified Parts	Qualified
		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
	10.	MOV-SW-214A	Recirculation Air Cooling Coils Supply		Deleted R-4 Dated 9/31/81 to 0588	Deleted
	10.	MOV-SW-214B	Recirculation Air Cooling Coils Supply		Deleted R-4 Dated 9/31/81 to 0588	Deleted
	10.	MOV-SW-210A	Recirculation Air Cooling Coils Supply		Deleted R-4 Dated 9/31/81 to 0588	Deleted
	10.	MOV-SW-210B	Recirculation Air Cooling Coils Supply		Deleted R-4 Dated 9/31/81 to 0588	Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
19.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-SW-103A	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-103B	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-103C	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-103D	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-104A	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-104B	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
		MOV-SW-104D	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	4.	MOV-SW-203A	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	4.	MOV-SW-203C	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	4.	MOV-SW-203D	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	4.	MOV-SW-204B	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	4.	MOV-SW-204D	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	6.	MOV-SW-203B	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
	6.	MOV-SW-204A	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
20.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-SW-104C	Service Water to Recirculation Spray Cooler		Deleted R-4 dated 8/24/81 - 79-016	Deleted
	4.	MOV-SW-204C	Service Water to Recirculation Spray Cooler		Additional Documentation in QDR	Qualified
21.		LIMITORQUE MOTOR OPERATED VALVES		I.B	SIMILARITY AGING QUALIFIED LIFE	
		MOV-SW-108B	Component Cooling Heat Exchanger Supply Isolation Valve		Replaced Unqualified Parts	Qualified
	2.	MOV-SW-208B	Component Cooling Heat Exchanger Supply Isolation Valve		Replaced Unqualified Parts	Qualified
22.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-1350	Emergency Blender By-Pass Stop Valve		Additional Documentation in QDR	Qualified
		LIMITORQUE MOTOR OPERATED VALVES		I.B	AGING QUALIFIED LIFE RADIATION	
	1.	MOV-2350	Emergency Blender By-Pass Stop Valve		Replaced Unqualifed Parts	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
23.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-SW-113A	Component Cooling Fuel Pit Coolers Return Isolation	Additional Documentation in QDR		Qualified
	2.	MOV-SW-213A	Component Cooling Fuel Pit Coolers Return Isolation	Additional Documentation in QDR		Qualified
24.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-SW-108A	Component Cooling Heat Exchanger Supply Isolation	Additional Documentation in QDR		Qualified
		MOV-SW-113B	Component Cooling Fuel Pit Coolers Supply Isolation	Additional Documentation in QDR		Qualified
	2.	MOV-SW-208A	Component Cooling Heat Exchanger Supply Isolation	Additional Documentation in QDR		Qualified
	2.	MOV-SW-213B	Component Cooling Fuel Pit Coolers Supply Isolation	Additional Documentation in QDR		Qualified
25.		LIMITORQUE MOTOR OPERATED VALVES		I.B	SIMILARITY AGING QUALIFIED LIFE	
		MOV-1115C	Charging Pump Suction From Volume Control Tank	Replaced Unqualified Parts		Qualified
		LIMITORQUE MOTOR OPERATED VALVE		I.B	DOCUMENTATION	
	115.	MOV-2115C	Charging Pump Suction From Volume Control Tank	Replaced Unqualifed Parts		Qualified
26.		LIMITORQUE MOTOR OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
		MOV-2380	Reactor Coolant Pump Sealwater Return	Additional Documentation in QDR		Qualified
	11.	MOV-2380	Reactor Coolant Pump Sealwater Return	Additional Documentation in QDR		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
27.			LIMITORQUE MOTOR OPERATED VALVES	III.A	NONE	
		MOV-1865A	Accumulator Tank 1 Cold Leg		Deleted R-4 dated 8/24/81 to 79-01B	Deleted
		MOV-1865B	Accumulator Tank 2 Cold Leg		Deleted R-4 dated 8/24/81 to 79-01B	Deleted
		MOV-1865C	Accumulator Tank 3 Cold Leg		Deleted R-4 dated 8/24/81 to 79-01B	Deleted
	13.	MOV-2865A	Accumulator Tank 1 Cold Leg		Deleted R-4 dated 8/24/81 to 0588	Deleted
	13.	MOV-2865B	Accumulator Tank 2 Cold Leg		Deleted R-4 dated 8/24/81 to 0588	Deleted
	13.	MOV-2865C	Accumulator Tank 3 Cold Leg		Deleted R-4 dated 8/24/81 to 0588	Deleted
27A			RAYMOND CONTROLS MOTOR OPERATED VALVES & STRAINERS	III.A	NONE	
		MOV-HV-115-1	Flush Valve Left for Strainer		Qualified Backup Available	Qualified
		MOV-HV-115-2	Flush Valve Right for Strainer		Qualified Backup Available	Qualified
		MOV-HV-116-1	Flush Valve Left for Strainer		Qualified Backup Available	Qualified
		MOV-HV-116-2	Flush Valve Right for Strainer		Qualified Backup Available	Qualified
		HV-S-1A	Chiller Room Strainer		Qualified Backup Available	Qualified
		HV-S-1B	Chiller Room Strainer		Qualified Backup Available	Qualified
	17.	MOV-HV-215-1	Flush Valve Left for Strainer		Qualified Backup Available	Qualified
	17.	MOV-HV-216-1	Flush Valve Left for Strainer		Qualified Backup Available	Qualified
	17.	MOV-HV-215-2	Flush Valve Right for Strainer		Qualified Backup Available	Qualified
	17.	MOV-HV-216-2	Flush Valve Right for Strainer		Qualified Backup Available	Qualified
	100.	HV-S-1A	Self-cleaning Strainer		Qualified Backup Available	Qualified
	100.	HV-S-1B	Self-cleaning Strainer		Qualified Backup Available	Qualified
136.			LIMITORQUE MOTOR OPERATED VALVES	I.B	AGING QUALIFIED LIFE	
		MOV-1115E	Charging Pump Suction - Volume Control Tank		Replaced Unqualifed Parts	Qualified
			LIMITORQUE MOTOR OPERATED VALVES	I.B	DOCUMENTATION	
	3.	MOV-2115E	Charging Pump Suction - Volume Control Tank		Replaced Unqualified Parts	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
137.	LIMITORQUE MOTOR OPERATED VALVES		I.B	DOCUMENTATION	
	MOV-HV-100C	Containment Purge Supply	Deleted R-4 dated 8/24/81 to 79-01B		Deleted
	MOV-HV-100A	Containment Purge Supply	Deleted R-4 dated 8/24/81 to 79-01B		Deleted
	LIMITORQUE MOTOR OPERATED VALVES		II.A	DOCUMENTATION	
8.	MOV-HV-200A	Containment Purge Supply	Deleted R-4 dated 9/31/81 to 0588		Deleted
8.	MOV-HV-200C	Containment Purge Supply	Deleted R-4 dated 9/31/81 to 0588		Deleted
14.	MOV-HV-200D	Reactor Coolant Purge System Exhaust Valve	Deleted R-4 dated 9/31/81 to 0588		Deleted
14.	MOV-HV-201	Reactor Coolant Purge System Bypass Valve	Deleted R-4 dated 9/31/81 to 0588		Deleted
14.	MOV-HV-200B	Reactor Coolant Purge System Valve	Deleted R-4 dated 9/31/81 to 0588		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
28.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1519	Primary Grade Water to Pressurizer Relief Tank	Replaced with ASCO NP Series		Qualified
	22.	SOV-2519A	Primary Grade Water to Pressurizer Relief Tank	Replaced with ASCO NP Series		Qualified
29.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1859	Safety Injection Test Line	Replaced with ASCO NP Series		Qualified
	22.	SOV-2859	Safety Injection Test Line	Replaced with ASCO NP Series		Qualified
30.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1884A	Boron Injection Tank to Boric Acid	Replaced with ASCO NP Series		Qualified
		SOV-1884B	Boron Injection Tank to Boric Acid	Replaced with ASCO NP Series		Qualified
		SOV-1884C	Boron Injection Tank to Batch Tank	Replaced with ASCO NP Series		Qualified
	22.	SOV-2884A	Boron Injection Tank to Boric Acid	Replaced with ASCO NP Series		Qualified
	22.	SOV-2884B	Boron Injection Tank to Boric Acid	Replaced with ASCO NP Series		Qualified
	22.	SOV-2884C	Boron Injection Tank to Batch Tank	Replaced with ASCO NP Series		Qualified
31.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-SS-100B	Pressurizer Liquid Sample Space Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-101B	Pressurizer Vapor Space Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-112B	Steam Generator Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-106B	Primary Coolant Hot Leg Sample Isolation Valve	Replaced with Valcor SOV-TV-SS-106		Deleted
		SOV-SS-102B	Primary Coolant Cold Leg Sample Isolation Valve	Replaced with Valcor SOV-TV-SS-102B		Deleted
		SOV-SS-104B	Pressurizer Relief Tank Gas Space Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-103A	Residual Heat Removal Outboard Isolation Valve	Replaced with Valcor SOV-TV-SS-103A		Deleted
		SOV-SS-103B	Residual Heat Removal Outboard Isolation Valve	Replaced with Valcor SOV-TV-SS-103B		Deleted
	26.	SOV-SS-200B	Pressurer Liquid Sample Space Isolation Valve			Note 1
	26.	SOV-SS-212B	Steam Generator Sample Isolation Valve			Note 1
	26.	SOV-SS-201B	Pressurer Vapor Space Sample Isolation Valve			Note 1
	26.	SOV-SS-204B	Pressurer Relief Tank Gas Space Isolation Valve			Note 1
		ASCO SOLENOID OPERATED VALVES		I.B	AGING QUALIFIED LIFE AGING SIMULATION	
	27.	SOV-SS-206B	Primary Coolant Hot Leg Sample Isolation Valve	Replaced with Valcor SOV-TV-SS-206B		Deleted
	27.	SOV-SS-202B	Primary Coolant Cold Leg Sample Isolation Valve	Replaced with Valcor SOV-TV-SS-202B		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
31A		VALCOR TRIP VALVES		I.A	None	
		TV-HC-100A	Hydrogen Analyzer #1 Suction			Qualified
		TV-HC-100B	Hydrogen Analyzer #1 Suction			Qualified
		TV-HC-101A	Hydrogen Analyzer #1 Discharge			Qualified
		TV-HC-101B	Hydrogen Analyzer #1 Discharge			Qualified
		TV-HC-102A	Hydrogen Analyzer #2 Suction			Qualified
		TV-HC-102B	Hydrogen Analyzer #2 Suction			Qualified
		TV-HC-103A	Hydrogen Analyzer #2 Discharge			Qualified
		TV-HC-103B	Hydrogen Analyzer #2 Discharge			Qualified
		TV-SS-102A	Primary Coolant Cold Leg Sample			Qualified
		TV-SS-102B	Primary Coolant Cold Leg Sample			Qualified
		TV-SS-103A	Residual Heat Removal System Sample			Qualified
		TV-SS-103B	Residual Heat Removal System Sample			Qualified
		TV-SS-106A	Primary Coolant Hot Leg Sample			Qualified
		TV-SS-106B	Primary Coolant Hot Leg Sample			Qualified
		TV-SS-107A	Residual Heat Removal System Sample			Qualified
		TV-SS-107B	Residual Heat Removal System Sample			Qualified
		TV-SS-108D	Primary Coolant Hot Leg Sample			Qualified
		TV-SS-109A	Primary Coolant Cold Leg Sample			Qualified
	36A	TV-HC-200A	Hydrogen Analyzer #1 Suction			Qualified
	36A	TV-HC-200B	Hydrogen Analyzer #1 Suction	NuReg-0737		Note 1
	36A	TV-HC-201A	Hydrogen Analyzer #1 Discharge	NuReg-0737		Note 1
	36A	TV-HC-201B	Hydrogen Analyzer #1 Discharge	NuReg-0737		Note 1
	36A	TV-HC-202A	Hydrogen Analyzer #2 Suction	NuReg-0737		Note 1
	36A	TV-HC-202B	Hydrogen Analyzer #2 Suction	NuReg-0737		Note 1
	36A	TV-HC-203A	Hydrogen Analyzer #2 Discharge	NuReg-0737		Note 1
	36A	TV-HC-203B	Hydrogen Analyzer #2 Discharge	NuReg-0737		Note 1
	36A	TV-SS-202A	Primary Coolant Cold Leg Sample	NuReg-0737		Note 1
	36A	TV-SS-202B	Primary Coolant Cold Leg Sample	NuReg-0737		Note 1
	36A	TV-SS-203A	Residual Heat Removal System Sample	NuReg-0737		Note 1
	36A	TV-SS-203B	Residual Heat Removal System Sample	NuReg-0737		Note 1
	36A	TV-SS-206A	Primary Coolant Hot Leg Sample	NuReg-0737		Note 1
	36A	TV-SS-206B	Primary Coolant Hot Leg Sample	NuReg-0737		Note 1
	36A	TV-SS-207A	Residual Heat Removal System Sample	NuReg-0737		Note 1
	36A	TV-SS-207B	Residual Heat Removal Sytem Sample	NuReg-0737		Note 1
	36A	TV-SS-208D	Primary Coolant Hot Leg Sample	NuReg-0737		Note 1
	36A	TV-SS-209A	Primary Coolant Cold Leg Sample	NuReg-0737		Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
32.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-CC-100A	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-100B	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-100C	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-101A	Reactor Coolant Pump Thermal Barrier Return Header	Replaced with ASCO NP Series		Qualified
		SOV-BD-100A	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
		SOV-BD-100C	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
		SOV-BD-100E	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
		SOV-CC-102A	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
		SOV-CC-102C	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
		SOV-CC-102E	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
		SOV-CC-103A	Residual Heat Removal Heat Exchanger Return	Replaced with ASCO NP Series		Qualified
		SOV-CC-103B	Residual Heat Removal Heat Exchanger Return	Replaced with ASCO NP Series		Qualified
		SOV-CC-104A-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-104A-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-104B-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-104B-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-104C-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CC-104C-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
		SOV-CV-150A	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
		SOV-CV-150B	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
		SOV-CV-150C	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
		SOV-CV-150D	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
		SOV-SI-101	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
		SOV-SI-100B	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
		SOV-SI-100A	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
		SOV-RM-100A	Radiation Monitoring Isolation Return	Replaced with ASCO NP Series		Qualified
		SOV-RM-100B	Radiation Monitoring Isolation Supply	Replaced with ASCO NP Series		Qualified
		SOV-RM-100D	Radiation Monitoring Isolation Return	Replaced with ASCO NP Series		Qualified
		SOV-VG-100A	Primary Drain Transfer Tank Vent	Replaced with ASCO NP Series		Qualified
		SOV-DG-100A	Primary Drain Transfer Pump Discharge	Replaced with ASCO NP Series		Qualified
		SOV-DA-100A	Reactor Containment Sump Pump Discharge	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204A-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204A-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204B-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204B-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204C-1	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-204C-2	Reactor Coolant Pump Cooler Inlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-DA-200A	Reactor Coolant Sump Pump Discharge	Replaced with ASCO NP Series		Qualified
	24.	SOV-RM-200A	Radiation Monitoring Isolation Return	Replaced with ASCO NP Series		Qualified
	24.	SOV-RM-200B	Radiation Monitoring Isolation Supply	Replaced with ASCO NP Series		Qualified
	24.	SOV-RM-200D	Radiation Monitoring Isolation Return	Replaced with ASCO NP Series		Qualified
	24.	SOV-CV-250A	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
	24.	SOV-CV-250B	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
	24.	SOV-CV-250C	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
32.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
	24.	SOV-CV-250D	Containment Vacuum Pump Suction	Replaced with ASCO NP Series		Qualified
	24.	SOV-BD-200A	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
	24.	SOV-BD-200C	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
	24.	SOV-BD-200E	Steam Generator Blowdown Isolation	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-200A	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-200B	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-200C	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-201A	Reactor Coolant Pump Thermal Barrier Return Header	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-202A	Reactor Coolant Pump Coolers Return Header	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-202C	Reactor Coolant Pump Coolers Return Header	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-202E	Reactor Coolant Pump Coolers Return Header	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-203A	Residual Heat Removal Heat Exchanger Return	Replaced with ASCO NP Series		Qualified
	24.	SOV-CC-203B	Residual Heat Removal Heat Exchanger Return	Replaced with ASCO NP Series		Qualified
	24.	SOV-SI-200A	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
	24.	SOV-SI-200B	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
	24.	SOV-SI-201	Nitrogen Supply Line	Replaced with ASCO NP Series		Qualified
	24.	SOV-VG-200A	Primary Drain Transfer Tank Vent	Replaced with ASCO NP Series		Qualified
		ASCO SOLENOID OPERATED VALVES		II.A	AGING QUALIFIED LIFE AGING DEGRADATION AGING SIMULATION	
	26.	SOV-DG-200A	Primary Drain Transfer Pump Discharge			Note 1
33.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-HV-115B-1	Iodine Filter Bank Isolation Supply	Replaced with ASCO NP Series		Qualified
		SOV-HV-115B-2	Iodine Filter Bank Isolation Supply	Replaced with ASCO NP Series		Qualified
	19.	SOV-HV-215B-1	Iodine Filter Bank Isolation Supply	Replaced with ASCO NP Series		Qualified
	19.	SOV-HV-215B-2	Iodine Filter Bank Isolation Supply	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
34.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-LM-101D	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
		SOV-LM-101C	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
		SOV-LM-101B	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
		SOV-LM-101A	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
	23.	SOV-LM-201A	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
	23.	SOV-LM-201B	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
	23.	SOV-LM-201C	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
	23.	SOV-LM-201D	Containment Leakage Monitoring	Replaced with ASCO NP Series		Qualified
35.		ASCO SOLENOID OPERATED VALVES		II.C	QUALIFIED LIFE	
		SOV-DA-103A	Post Accident Sample System Containment Return Line	Conax Seal Installed		Qualified
		SOV-DA-103B	Post Accident Sample System Containment Return Line	Conax Seal Installed		Qualified
		ASCO SOLENOID OPERATED VALVES		II.C	AGING QUALIFIED LIFE	
	28.	SOV-DA-203A	Post Accident Sample System Containment Return Line			Note 1
	28.	SOV-DA-203B	Post Accident Sample System Containment Return Line			Note 1
36.		ASCO SOLENOID OPERATED VALVES		III.A	NONE	
		SOV-1460B	Letdown Line Loop 2	Deleted R-4 dated 8/24/81 - 79-01B		Deleted
	21.	SOV-2460B	Letdown Line Loop 2	Deleted R-4 dated 9/3/81 - 0588		Deleted
37.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1200C-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	35.	SOV-2200C-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
38.		ASCO SOLENOID OPERATED VALVES	II.C	DOCUMENTATION	
		SOV-IA-102B Containment Instrument Air Isolation Valve		Replaced with ASCO NP Series	Qualified
		SOV-IA-102A Containment Instrument Air Isolation Valve		Replaced with ASCO NP Series	Qualified
	24.	SOV-IA-202A Containment Instrument Air Isolation Valve		Replaced with ASCO NP Series	Qualified
	24.	SOV-IA-202B Containment Instrument Air Isolation Valve		Replaced with ASCO NP Series	Qualified
39.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-MS-111A Auxiliary Feed Pump Turbine Drive		Replaced with ASCO NP Series	Qualified
		SOV-MS-111B Auxiliary Feed Pump Turbine Drive		Replaced with ASCO NP Series	Qualified
	25.	SOV-MS-211A Auxiliary Feed Pump Turbine Drive		Replaced with ASCO NP Series	Qualified
	25.	SOV-MS-211B Auxiliary Feed Pump Turbine Drive		Replaced with ASCO NP Series	Qualified
40.		ASCO SOLENOID OPERATED VALVES	II.C	AGING DEGRADATION	
		SOV-SW-101A-2 Air Cooler Emergency Supply Valve		Replaced with ASCO NP Series	Qualified
		SOV-SW-101A-1 Air Cooler Emergency Supply Valve		Replaced with ASCO NP Series	Qualified
		SOV-SW-101B-1 Air Cooler Emergency Return Valve		Replaced with ASCO NP Series	Qualified
		SOV-SW-101B-2 Air Cooler Emergency Return Valve		Replaced with ASCO NP Series	Qualified
	26.	SOV-SW-201A-1 Air Cooler Emergency Supply Valve			Note 1
	26.	SOV-SW-201A-2 Air Cooler Emergency Supply Valve			Note 1
	26.	SOV-SW-201B-1 Air Cooler Emergency Return Valve			Note 1
	26.	SOV-SW-201B-2 Air Cooler Emergency Return Valve			Note 1
41.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-MS-101C-2 Main Steam Line Trip		Replaced with ASCO NP Series	Qualified
	22.	SOV-MS-201C-2 Main Steam Line Trip		Replaced with ASCO NP Series	Qualified
	22.	SOV-MS-201C-4 Main Steam Line Trip		Replaced with ASCO NP Series	Qualified
	22.	SOV-MS-201C-5 Main Steam Line Trip		Replaced with ASCO NP Series	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
42.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-MS-101C-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
		SOV-MS-101B-2 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
		SOV-MS-101B-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
		SOV-MS-101A-2 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
		SOV-MS-101A-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201A-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201A-2 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201A-4 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201A-5 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201B-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201B-2 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201B-4 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201B-5 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
	22.	SOV-MS-201C-1 Main Steam Line Trip	Replaced with ASCO NP Series		Qualified
43.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-MS-109A Main Steam Line Drains to Condenser	Replaced with ASCO NP Series		Qualified
	18.	SOV-MS-209A Main Steam Line Drains to Condenser	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
44.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-MS-113C1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-113C2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-113B1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-113B2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-113A1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-113A2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-MS-109B Main Steam Line Letdown Control		Replaced with ASCO NP Series	Qualified
		SOV-SV-102-1 Air Ejector Discharge Trip Valve		Replaced with ASCO NP Series	Qualified
		SOV-SV-103 Air Ejector Discharge Trip Valve		Replaced with ASCO NP Series	Qualified
		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION SIMILARITY AGING QUALIFIED LIFE AGING SIMULATION	
18.		SOV-MS-213A-1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-213A-2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-213B-1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-213B-2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-213C-1 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-213C-2 Steam Generator Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-MS-209B Main Steam Line Letdown Control		Replaced with ASCO NP Series	Qualified
18.		SOV-SV-202-1 Air Ejector Discharge Trip Valve		Replaced with ASCO NP Series	Qualified
18.		SOV-SV-203 Air Ejector Discharge Trip Valve		Replaced with ASCO NP Series	Qualified
45.		ASCO SOLENOID OPERATED VALVES	II.B	AGING DEGRADATION	
		SOV-BD-100D Steam Generator Blowdown Isolation Valve		Replaced with ASCO NP Series	Qualified
		SOV-BD-100F Steam Generator Blowdown Isolation Valve		Replaced with ASCO NP Series	Qualified
29.		SOV-BD-200D Steam Generator Blowdown Isolation Valve			Note 1
29.		SOV-BD-200F Steam Generator Blowdown Isolation Valve			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
46.		ASCO SOLENOID OPERATED VALVES	II.C	AGING DEGRADATION	
	SOV-VG-100B	Primary Drain Transfer Tank Vent	Replaced with ASCO NP Series		Qualified
	SOV-DG-100B	Primary Drain Transfer Pump Discharge	Replaced with ASCO NP Series		Qualified
	SOV-BD-100G	Steam Generator Blowdown Isolation Valve	Replaced with ASCO NP Series		Qualified
	SOV-BD-100B	Steam Generator Blowdown Isolation Valve	Replaced with ASCO NP Series		Qualified
		ASCO SOLENOID OPERATED VALVES	II.A	DOCUMENTATION AGING QUALIFIED LIFE	
29.	SOV-BD-200B	Steam Generator Blowdown Isolation Valve			Note 1
29.	SOV-BD-200G	Steam Generator Blowdown Isolation Valve			Note 1
29.	SOV-VG-200B	Primary Drain Transfer Tank Vent			Note 1
		ASCO SOLENOID OPERATED VALVES	I.B	PEAK TEMPERATURE	
31.	SOV-DG-200B	Primary Drain Transfer Pump Discharge	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
47.		ASCO SOLENOID OPERATED VALVES	II.C	AGING DEGRADATION	
	SOV-BD-100H	Steam Generator Blowdown Isolation Valve	Replaced with ASCO NP Series		Qualified
	SOV-BD-100J	Steam Generator Blowdown Isolation Valve	Replaced with ASCO NP Series		Qualified
	SOV-RM-100C	Radiation Monitoring Isolation Supply	Replaced with ASCO NP Series		Qualified
	SOV-DA-100B	Containment Sump Pump Discharge Isolation Valve	Replaced with ASCO NP Series		Qualified
	SOV-CC-105C	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	SOV-CC-105B	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	SOV-CC-105A	Containment Recirculation Air Cooler Outlet	Replaced with ASCO NP Series		Qualified
	SOV-CC-102F	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
	SOV-CC-102D	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
	SOV-CC-102B	Reactor Coolant Pump Cooler Return Header	Replaced with ASCO NP Series		Qualified
	SOV-CC-101B	Reactor Coolant Pump Thermal Barrier Return Header	Replaced with ASCO NP Series		Qualified
		ASCO SOLENOID OPERATED VALVES	II.A	DOCUMENTATION AGING QUALIFIED LIFE	
29.	SOV-BD-200H	Steam Generator Blowdown Isolation Valve			Note 1
29.	SOV-CC-202B	Reactor Coolant Pump Bearing Cooling Water			Note 1
29.	SOV-CC-202D	Reactor Coolant Pump Bearing Cooling Water			Note 1
29.	SOV-CC-202F	Reactor Coolant Pump Bearing Cooling Water			Note 1
29.	SOV-CC-201B	Reactor Coolant Pump Thermal Barrier Header			Note 1
29.	SOV-CC-205A	Containment Recirculation Air Cooler Outlet			Note 1
29.	SOV-CC-205B	Containment Recirculation Air Cooler Outlet			Note 1
29.	SOV-CC-205C	Containment Recirculation Air Cooler Outlet			Note 1
29.	SOV-DA-200B	Containment Sump Pump Discharge Isolation Valve			Note 1
29.	SOV-RM-200C	Radiation Monitoring Isolation Supply			Note 1
		ASCO SOLENOID OPERATED VALVE	I.B	PEAK TEMPERATURE	
31.	SOV-BD-200J	Steam Generator Blowdown Isolation Valve	Replaced with ASCO NP Series		Qualified
48.		ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
	SOV-1842	Accumulator Test Line Isolation	Replaced with ASCO NP Series		Qualified
32.	SOV-2842	Accumulator Test Line Isolation	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
48A			ASCO SOLELOID OPERATED VALVES	I.A	NONE	
		SOV-HC-104A	Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Qualified
		SOV-HC-104B	Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Qualified
		SOV-HC-105A	Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Qualified
		SOV-HC-105B	Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Qualified
		SOV-HC-106A	Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Qualified
		SOV-HC-106B	Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Qualified
		SOV-HC-107A	Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Qualified
		SOV-HC-107B	Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Qualified
	48B	SOV-HC-204A	Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-204B	Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-205A	Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-205B	Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-206A	Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-206B	Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-207A	Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation	NuReg-0737		Note 1
	48B	SOV-HC-207B	Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation	NuReg-0737		Note 1
49.			ASCO SOLENOID OPERATED VALVES	I.B	DOCUMENTATION	
		SOV-SS-112A	Steam Generator Surface Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-100A	Pressurizer Liquid Space Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-106A	Primary Coolant Hot Leg Sampling Containment Isolation Valve	Replaced with Valcor SOV-TV-SS-106A		Deleted
		SOV-SS-104A	Pressurizer Relief Tank Gas Space Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
		SOV-SS-102A	Primary Coolant Cold Leg Sample Containment Isolation Valve	Replaced with valcor SOV-TV-SS-102A		Deleted
		SOV-SS-101A	Pressurizer Vapor Space Sample Isolation Valve	Replaced with ASCO NP Series		Qualified
	29.	SOV-SS-200A	Pressurizer Liquid Space Sample Isolation Valve			Note 1
	29.	SOV-SS-201A	Pressurizer Vapor Space Sample Isolation Valve			Note 1
	29.	SOV-SS-204A	Pressurizer Relief Tank Gas Space Sample Isolation Valve			Note 1
	29.	SOV-SS-212A	Steam Generator Sample Isolation Valve			Note 1
	30.	SOV-SS-202A	Primary Coolant Cold Leg Sample Containment Isolation Valve	Replaced with Valcor SOV-TV-SS-202A		Deleted
	34.	SOV-2311	Auxiliary Spray Line	Deleted Sept. 3, 1981 Submittal		Deleted
	36.	SOV-SS-207A	Residual Heat Removal Sample Line	Replaced with Valcor SOV-TV-SS-207A		Deleted
	36.	SOV-SS-207B	Residual Heat Removal Sample Line	Replaced with Valcor SOV-TV-SS-207B		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
50.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-LM-100C	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100D	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100E	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100F	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100G	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100H	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100B	Containment Open Tap	Replaced with ASCO NP Series		Qualified
		SOV-LM-100A	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200A	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200B	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200C	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200D	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200E	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200F	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200G	Containment Open Tap	Replaced with ASCO NP Series		Qualified
	20.	SOV-LM-200H	Containment Open Tap	Replaced with ASCO NP Series		Qualified
51.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1936	Accumulator Vent Line Flow Control	Replaced with ASCO NP Series		Qualified
	33.	SOV-2936	Accumulator Vent Line Flow Control	Replaced with ASCO NP Series		Qualified
52.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1200A-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	34.	SOV-2200A-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
53.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1200B-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	35.	SOV-2200B-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
54.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1200A-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	35.	SOV-2200A-2	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
55.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1200C-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
		SOV-1200B-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	34.	SOV-2200B-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	34.	SOV-2200C-1	Chemical Volume Control System Isolation Valve for Letdown	Replaced with ASCO NP Series		Qualified
	24.	SOV-IA-201B	Containment Instrument Air Isolation Valve	Replaced with ASCO NP Series		Qualified
55A		VALCOR SOLENOID OPERATED VALVES		I.A	NONE	
		TV-HC-108A	Containment Atmospheric Sampling Isolation			Qualified
		TV-HC-108B	Containment Atmospheric Sampling Isolation			Qualified
		TV-HC-109A	Containment Atmospheric Sampling Isolation			Qualified
		TV-HC-109B	Containment Atmospheric Sampling Isolation			Qualified
	36A	TV-HC-208A	Containment Atmospheric Sampling Isolation			Note 1
	36A	TV-HC-208B	Containment Atmospheric Sampling Isolation			Note 1
	36A	TV-HC-209A	Containment Atmospheric Sampling Isolation			Note 1
	36A	TV-HC-209B	Containment Atmospheric Sampling Isolation			Note 1
56.		ASCO SOLENOID OPERATED VALVES		I.B	DOCUMENTATION	
		SOV-1204	Regenerative Heat Exchanger Outlet Valve	Replaced with ASCO NP Series		Qualified
	22.	SOV-2204	Regenerative Heat Exchanger Outlet Valve	Replaced with ASCO NP Series		Qualified
56A		TARGET ROCK SOLENOID OPERATED VALVES		I.2	DOCUMENTATION	
		SOV-RC-101A-1	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-101A-2	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-101B-1	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-101B-2	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-102A-1	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-102A-2	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-102B-1	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
		SOV-RC-102B-2	Reactor Coolant System Venting Isolation	Conax Seals Installed		Qualified
	56B	SOV-RC-201A-1	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-201A-2	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-201B-1	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-201B-2	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-202A-1	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-202A-2	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-202B-1	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1
		SOV-RC-202B-2	Reactor Coolant System Venting Isolation	NuReg-0737		Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
57.		WESTINGHOUSE VENTILATION FANS		III.A	NONE	
		1-HV-F-8C	Auxiliary Building Central Area Exhaust Fan	Deleted 08/24/81 Submittal		Deleted
	72.	1-HV-F-8C	Auxiliary Building Central Area Exhaust Fan	Deleted 09/03-81 Submittal		Deleted
58.		WESTINGHOUSE VENTILATION FANS		III.A	NONE	
		HV-F-8A	Auxiliary Building Central Area Exhaust Fan	Deleted 08/24/81 Submittal		Deleted
		HV-F-8B	Auxiliary Building Central Area Exhaust Fan	Deleted 08/24/81 Submittal		Deleted
	72.	HV-F-8A	Auxiliary Building Central Area Exhaust Fan	Deleted 09/03/81 Submittal		Deleted
	72.	HV-F-8B	Auxiliary Building Central Area Exhaust Fan	Deleted 09/03/81 Submittal		Deleted
58A		WESTINGHOUSE VENTILATION FANS		III.A	NONE	
		HV-F-24	Equipment Room Supply Fan	Qualified Backup Available		Qualified
	68.	HV-F-24	Equipment Room Supply Fan	Qualified Backup Available		Qualified
59.		HONEYWELL MOTOR OPERATED DAMPERS		III.B	NONE	
		MOD-HV-163C	Central Area Exhaust Discharge Damper	Deleted 08/24/81 Submittal		Deleted
	75.	MOD HV 163C	Central Area Exhaust Discharge Damper	Deleted 09/03/81 Submittal		Deleted
60.		HONEYWELL MOTOR OPERATED DAMPERS		III.B	NONE	
		MOD-HV-163B	Central Area Exhaust Discharge Damper	Deleted 08/24/81 Submittal		Deleted
		MOD-HV-163A	Central Area Exhaust Discharge Damper	Deleted 08/24/81 Submittal		Deleted
	75.	MOD-HV-163A	Central Area Exhaust Discharge Damper	Deleted 09/03/81 Submittal		Deleted
	75.	MOD-HV-163B	Central Area Exhaust Discharge Damper	Deleted 09/03/81 Submittal		Deleted
61		MARATHON ELECTRIC PUMP MOTORS		I.B	DOCUMENTATION	
		1-SW-P-5	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
		1-SW-P-6	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
	69.	2-SW-P-5	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
	69.	2-SW-P-6	Radiation Monitoring Pump	Motor Windings Rewound		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
62.		WESTINGHOUSE PUMP MOTORS		I.A	NONE	
		SI-P-1A	Low Head Safety Injection, Pump A, Including Lubricant Exxon Teresstic 46			Qualified
		SI-P-1B	Low Head Safety Injection, Pump B, Including Lubricant Exxon Teresstic 46			Qualified
	73.	SI-P-1A	Low Head Safety Injection, Pump B, Including Lubricant Exxon Teresstic 46			Qualified
	73.	SI-P-1B	Low Head Safety Injection, Pump B, Including Lubricant Exxon Teresstic 46			Qualified
63.		WESTINGHOUSE PUMP MOTORS		III.B	NONE	
		CH-P-1B	Charging Pump B (High Head Safety Injection Pump) Including Lubricant Exxon Terestic 46	QDR File is Available		Qualified
		CH-P-1C	Charging Pump C (High Head Safety Injection Pump) Including Lubricant Exxon Terestic 46	QDR File is Available		Qualified
	74.	CH-P-1B	Chargine Pump B (High Head Safety Injection Pump) Including Lubricant Exxon Terestic 46	QDR File is Available		Qualified
	74.	CH-P-1C	Chargine Pump B (High Head Safety Injection Pump) Including Lubricant Exxon Terestic 46	QDR File is Available		Qualified
63A		WESTINGHOUSE PUMP MOTORS		III.A	NONE	
		1-HV-P-20A	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
		1-HV-P-20B	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
		1-HV-P-20C	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
		1-HV-P-22A	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
		1-HV-P-22B	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
		1-HV-P-22C	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
	71.	2-HV-P-20A	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
	71.	2-HV-P-20B	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
	71.	2-HV-P-20C	Chiller Room Air Conditioning	Qualified Backup Available		Qualified
	105.	2-HV-P-22A	In-Line Pump Air Conditioning	Qualified Backup Available		Qualified
	105.	2-HV-P-22B	In-Line Pump Air Conditioning	Qualified Backup Available		Qualified
	105.	2-HV-P-22C	In-Line Pump Air Conditioning	Qualified Backup Available		Qualified
94.		RELIANCE PUMP MOTORS		I.B	DOCUMENTATION	
		1-SW-P-7	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
	69.	2-SW-P-7	Radiation Monitoring Pump	Motor Windings Rewound		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
95.		RELIANCE PUMP MOTORS		I.B	DOCUMENTATION	
		1-SW-P-8	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
	69.	2-SW-P-8	Radiation Monitoring Pump	Motor Windings Rewound		Qualified
96.		WESTINGHOUSE PUMP MOTORS		III.B	NONE	
		CH-P-1A	Charging Pump A (High Head Safety Injection Pump), Including Lubricant Exxon Terrestic 46	QDR File is Available		Qualified
		WESTINGHOUSE CHARGING PUMPS		III.B	NONE	
	74.	CH-P-1A	Charging Pump A (High Head Safety Injection Pump), Including Lubricant Exxon Terrestic 46	QDR File is Available		Qualified
96A		WESTINGHOUSE AIR CONDITIONING CHILLERS		III.A	NONE	
		1-HV-E-4A	Control and Relay Room Chiller	Qualified Backup Available		Qualified
		1-HV-E-4B	Control and Relay Room Chiller	Qualified Backup Available		Qualified
		1-HV-E-4C	Control and Relay Room Chiller	Qualified Backup Available		Qualified
	99.	2-HV-E-4A	Control and Relay Room Chiller	Qualified Backup Available		Qualified
	99.	2-HV-E-4B	Control and Relay Room Chiller	Qualified Backup Available		Qualified
	99.	2-HV-E-4C	Control and Relay Room Chiller	Qualified Backup Available		Qualified
97.		RELIANCE PROPELLER FAN MOTORS		II.A	SIMILARITY	
		1-HV-F-71A	Safeguards Area Ventilation	Replacement Motors Installed		Qualified
		1-HV-F-71B	Safeguards Area Ventilation	Replacement Motors Installed		Qualified
	67.	2-HV-F-71A	Ventilation Safeguard Area	Replacement Motors Installed		Qualified
	67.	2-HV-F-71B	Ventilation Safeguard Area	Replacement Motors Installed		Qualified
		BUFFALO FORGE CENTRIFUGAL FANS		III.B	NONE	
	66.	HV-F-40A	Safeguard Area Ventilation	Deleted R-4 dated 9/3/81 - 0588		Deleted
	66.	HV-F-40B	Safeguard Area Ventilation	Deleted R-4 dated 9/3/81 - 0588		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
98.		GENERAL ELECTRIC PUMP MOTORS		I.A	NONE	
		1-RS-P-2A	Recirculation Spray Pump, Including Lubricant Mobil DTE 797			Qualified
		1-RS-P-2B	Recirculation Spray Pump, Including Lubricant Mobil DTE 797			Qualified
	65.	2-RS-P-2A	Recirculation Spray Pump, Including Lubricant Mobil DTE 797			Qualified
	65.	2-RS-P-2B	Recirculation Spray Pump, Including Lubricant Mobil DTE 797			Qualified
99.		GENERAL ELECTRIC PUMP MOTORS		II.A	AGING QUALIFIED LIFE AGING SIMULATION TIME DURATION SPRAY	
		1-RS-P-1A	Recirculation Spray Pump, Motor A, Including Lubricant Mobil DTE 797		Documentation Submitted 4/29/83	Qualified
		1-RS-P-1B	Recirculation Spray Pump, Motor B, Including Lubricant Mobil DTE 797		Documentation Submitted 4/29/83	Qualified
	63.	2-RS-P-1A	Recirculation Spray Pump, Motor A, Including Lubricant Mobil DTE 797		Documentation Submitted 4/29/83	Qualified
	63.	2-RS-P-1B	Recirculation Spray Pump, Motor B, Including Lubricant Mobil DTE 797		Documentation Submitted 4/29/83	Qualified
100.		WESTINGHOUSE HYDROGEN RECOMBINER MOTORS		I.B	DOCUMENTATION	
		1-HC-HC-1	Hydrogen Recombiner Blower Motor	Refer to TER 109 pg. 78		Deleted
100A		ALLIS-CHALMERS PUMP MOTORS		III.A	NONE	
		1-DB-P-10A	Chiller Room Sump Pump	Qualified Backup Available		Qualified
		1-DB-P-10B	Chiller Room Sump Pump	Qualified Backup Available		Qualified
	70.	2-DB-P-10A	Chiller Room Sump Pump	Qualified Backup Available		Qualified
	70.	2-DB-P-10B	Chiller Room Sump Pump	Qualified Backup Available		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
64.		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS	I.B	NONE	
		TE-1410 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		TE-1413 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		TE-1420 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		TE-1423 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		TE-1430 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		TE-1433 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
		ROSEMOUNT RESISTANT TEMPERATURE DETECTORS	II.A	DOCUMENTATION AGING QUALIFIED LIFE PROFILE ENVELOPED STEAM EXPOSURE SPRAY FUNCTIONAL TESTING INSTRUMENT ACCURACY	
62.		TE-2410 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
62.		TE-2413 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
62.		TE-2420 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
62.		TE-2423 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
62.		TE-2430 Reactor Coolant System Temperature Elements (Wide-Range)			Note 1
62.		TE-2433 Reactor Coolant System Temperature Elements (Wide-Range)	Replaced with Weed RTD		Qualified
64A		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS	I.B		
		TE-CC-164 Component Cooling Temperature	Replaced with Conax RTD		Qualified
		TE-LM-100-1 Containment Temperature Monitoring	Replaced with Conax RTD		Qualified
		TE-LM-100-2 Containment Temperature Monitoring	Replaced with Conax RTD		Qualified
62A		TE-CC-264 Component Cooling Temperature			Note 2
62A		TE-LM-200-1 Containment Temperature Monitoring			Note 2
62A		TE-LM-200-2 Containment Temperature Monitoring			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
65.	ROSEMOUNT AMBIENT TEMPERATURE DETECTORS	III.A	NONE	
	TE-AM-115 Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	TE-AM-116 Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	TE-AM-117A Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	TE-AM-117B Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	TE-AM-117C Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	TE-AM-117D Service Building Temperature Monitoring		Deleted R-4 dated 8/24/81 - 79-01B	Deleted
	ROSEMOUNT AMBIENT TEMPERATURE DETECTORS	III.B	NONE	
58.	TE-AM 215 Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted
58.	TE-AM 216 Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted
58.	TE-AM 217A Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted
58.	TE-AM 217B Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted
58.	TE-AM 217C Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted
58.	TE-AM 217D Service Building Temperature Monitoring		Deleted R-4 dated 9/3/81 - 0588	Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
66.	ROSEMOUNT AMBIENT TEMPERATURE DETECTORS	II.A	DOCUMENTATION AGING QUALIFIED LIFE STEAM EXPOSURE TEST DURATION	
	TE-AM-100A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-101A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-102A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-103A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-104A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-105A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-106A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-107A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-108A Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-100B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-101B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-103B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-102B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-104B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-105B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-106B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-107B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	TE-AM-108B Auxiliary Building Ambient Air Temperature Monitor		Replaced with Conax RTD	Qualified
	ROSEMOUNT AMBIENT TEMPERATURE MONITORS	II.A	DOCUMENTATION AGING QUALIFIED LIFE PROFILE ENVELOPED RADIATION	
59.	TE-AM-100A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-101A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-102A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-103A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-104A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-104B Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-105A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-106A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-107A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-108A Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate
59.	TE-AM-108B Auxiliary Building Ambient Air Temperature Monitoring		Duplicate TER 66(U1)	Duplicate

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
66A		THERMO TRINITY RESISTANCE TEMPERATURE DETECTOR		I.B	DOCUMENTATION	
		TE-CC-167	Component Cooling Temperature	Replaced with Conax RTD		Qualified
		TE-RS-150A	Containment Sump Temperature	Considered Cat. III - R.G. 1.97		Deleted
		TE-RS-150B	Containment Sump Temperature	Considered Cat. III - R.G. 1.97		Deleted
		TE-SW-108A	Pump Discharge Header Temperature			Note 2
		TE-SW-108B	Pump Discharge Header Temperature			Note 2
	62B	TE-CC-267	Component Cooling Temperature			Note 2
	62B	TE-RS-250A	Containment Sump Temperature	Considered Cat. III - R.G. 1.97		Deleted
	62B	TE-RS-250B	Containment Sump Temperature	Considered Cat. III - R.G. 1.97		Deleted
67.		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS		I.B	DOCUMENTATION	
		TE-1412C	Change in Temperature Average Protection	Replaced with Weed RTD		Qualified
		TE-1422C	Change in Temperature Average Protection	Replaced with Weed RTD		Qualified
		TE-1432C	Change in Temperature Average Protection	Replaced with Weed RTD		Qualified
		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS		II.A	DOCUMENTATION AGING QUALIFIED LIFE PROFILE ENVELOPED SPRAY FUNCTIONAL TESTING INSTRUMENT ACCURACY	
60.		TE-2412C	Change in Average Temperature Protection			Note 1
60.		TE-2422C	Change in Average Temperature Protection			Note 1
60.		TE-2432C	Change in Average Temperature Protection			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
67A		MINCO TEMPERATUI ELEMENTS		I.A	NONE	
		TE-1313	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1314	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1315	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1316	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1317	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1318	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1319	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1323	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1324	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1325	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1326	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1327	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1328	Reactor Vessel Level Temperature Compensation			Qualified
		TE-1329	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2313	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2314	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2315	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2316	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2317	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2318	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2319	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2323	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2324	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2325	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2326	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2327	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2328	Reactor Vessel Level Temperature Compensation			Qualified
	61B	TE-2329	Reactor Vessel Level Temperature Compensation			Qualified
		HONEYWELL TEMPERATURE SWITCH		III.B	NONE	
57.		TS-HV-2230	Temperature Switch for 2-HV-F-68B	Deleted 09/03/81 Submittal		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
68.		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS	I.B	NONE	
	TE-1412B	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
	TE-1412D	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
	TE-1422B	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
	TE-1422D	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
	TE-1432B	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
	TE-1432D	Reactor Coolant System Temperature Narrow Range Resistant Temperature Detector		Replaced with Weed RTD	Qualified
		ROSEMOUNT RESISTANT TEMPERATURE DETECTORS	II.A	DOCUMENTATION AGING QUALIFIED LIFE PROFILE ENVELOPED SPRAY FUNCTIONAL TESTING INSTRUMENT ACCURACY	
61.	TE-2412B	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1
61.	TE-2412D	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1
61.	TE-2422B	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1
61.	TE-2422D	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1
61.	TE-2432B	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1
61.	TE-2432D	Reactor Coolant System Temperature Narrow Range Resistance Temperature Detector			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
68A		ROSEMOUNT TEMPERATURE ELEMENTS	I.B	NONE	
		TE-1411B Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1411C Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1411D Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1421D Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1421C Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1421B Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1431B Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1431C Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		TE-1431D Reactor Coolant System Narrow Range	Replaced with Weed RTD		Qualified
		ROSEMOUNT RESISTANCE TEMPERATURE DETECTORS	I.B		
61A		TE-2411B Reactor Coolant System Narrow Range			Note 1
61A		TE-2411C Reactor Coolant System Narrow Range			Note 1
61A		TE-2411D Reactor Coolant System Narrow Range			Note 1
61A		TE-2421B Reactor Coolant System Narrow Range			Note 1
61A		TE-2421C Reactor Coolant System Narrow Range			Note 1
61A		TE-2421D Reactor Coolant System Narrow Range			Note 1
61A		TE-2431B Reactor Coolant System Narrow Range			Note 1
61A		TE-2431C Reactor Coolant System Narrow Range			Note 1
61A		TE-2431D Reactor Coolant System Narrow Range			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69.		NAMCO LIMIT SWITCHES	II.C	AGING QUALIFIED LIFE	
		ZS-DA-103A-1 Auxiliary Building to Containment Sump Pump			Note 2
		ZS-DA-103B-1 Auxiliary Building to Containment Sump Pump			Note 2
	69A	ZS-DA-103A-2 Auxiliary Building to Containment Sump Pump			Note 2
		ZS-DA-103B-2 Auxiliary building to Containment Sump Pump			Note 2
		NAMCO LIMIT SWITCHES	II.A	SIMILARITY AGING QUALIFIED LIFE	
	55.	ZS-DA-203A-1 Auxiliary Building to Containment Sump Pump			Note 2
	55.	ZS-DA-203B-1 Auxiliary Building to Containment Sump Pump			Note 2
	55A	ZS-DA-203A-2 Auxiliary Building to Containment Sump Pump			Note 2
	55A	ZS-DA-203B-2 Auxiliary Building to Containment Sump Pump			Note 2
69A		FISHER LIMIT SWITCHES	I.B	NONE	
		ZS-BD-100A-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100A-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100C-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100C-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100E-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100E-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100G-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100G-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100H-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100H-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100J-A1 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-BD-100J-A2 Steam Generator Blowdown Isolation	Replaced with Namco Limit Switch		Qualified
		ZS-CC-101A-A1 Reactor Coolant Pump Thermal Barrier Return Header	Replaced with Namco Limit Switch		Qualified
		ZS-CC-101A-A2 Reactor Coolant Pump Thermal Barrier Return Header	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150A-A1 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150A-A2 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150B-B1 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150B-B2 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150C-A1 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150C-A2 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150D-B1 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-CV-150D-B2 Containment Vacuum Pump Suction	Replaced with Namco Limit Switch		Qualified
		ZS-DA-100A-A1 Containment Sump Pump Discharge	Replaced with Namco Limit Switch		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69A		FISHER LIMIT SWITCHES	I.B	NONE	
		ZS-DA-100A-A2 Containment Sump Pump Discharge		Replaced with Namco Limit Switch	Qualified
		ZS-DG-100A-A1 Primary Drain Transfer Pump Discharge		Replaced with Namco Limit Switch	Qualified
		ZS-DG-100A-A2 Primary Drain Transfer Pump Discharge		Replaced with Namco Limit Switch	Qualified
		ZS-MS-109-A1 Main Steamline Drains to Condenser		Replaced with Namco Limit Switch	Qualified
		ZS-MS-109-A2 Main Steamline Drains to Condenser		Replaced with Namco Limit Switch	Qualified
		ZS-MS-109-B1 Main Steamline Letdown Control		Replaced with Namco Limit Switch	Qualified
		ZS-MS-109-B2 Main Steamline Letdown Control		Replaced with Namco Limit Switch	Qualified
		ZS-MS-111A-A1 Auxiliary Feed Pump Turbine Drive		Replaced with Namco Limit Switch	Qualified
		ZS-MS-111A-A2 Auxiliary Feed Pump Turbine Drive		Replaced with Namco Limit Switch	Qualified
		ZS-MS-111B-B1 Auxiliary Feed Pump Turbine Drive		Replaced with Namco Limit Switch	Qualified
		ZS-MS-111B-B2 Auxiliary Feed Pump Turbine Drive		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113A-A1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113A-A2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113A-B1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113A-B2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113B-A1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113B-A2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113B-B1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113B-B2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113C-A1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113C-A2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113C-B1 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-113C-B2 Steam Generator Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100A-A1 Radiation Monitoring Isolation Return		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100A-A2 Radiation Monitoring Isolation Return		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100B-A1 Radiation Monitoring Isolation Supply		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100B-A2 Radiation Monitoring Isolation Supply		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100D-B1 Radiation Monitoring Isolation Return		Replaced with Namco Limit Switch	Qualified
		ZS-RM-100D-B2 Radiation Monitoring Isolation Return		Replaced with Namco Limit Switch	Qualified
		ZS-SI-100-A1 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SI-100-A2 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SI-100-B1 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SI-100-B2 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SI-101-A1 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SI-101-A2 Nitrogen Supply Line		Replaced with Namco Limit Switch	Qualified
		ZS-SV-102-1-A1 Air Ejector Discharge Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-SV-102-1-A2 Air Ejector Discharge Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-SV-103-B1 Air Ejector Discharge Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-SV-103-B2 Air Ejector Discharge Trip Valve		Replaced with Namco Limit Switch	Qualified
		ZS-VG-100A-A1 Primary Drain Transfer Tank Vent		Replaced with Namco Limit Switch	Qualified
		ZS-VG-100A-A2 Primary Drain Transfer Tank Vent		Replaced with Namco Limit Switch	Qualified
	56A	ZS-BD-200A-A1 Steam Generator Blowdown Isolation			Note 2
	56A	ZS-BD-200A-A2 Steam Generator Blowdown Isolation			Note 2
	56A	ZS-BD-200C-A1 Steam Generator Blowdown Isolation			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69A		FISHER LIMIT SWITCHES		I.B	NONE	
	56A	ZS-BD-200C-A2	Steam Generator Blowdown Isolation			Note 2
	56A	ZS-BD-200E-A1	Steam Generator Blowdown Isolation			Note 2
	56A	ZS-BD-200E-A2	Steam Generator Blowdown Isolation			Note 2
	56A	ZS-BD-200G-A1	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-BD-200G-A2	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-BD-200H-A1	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-BD-200H-A2	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-BD-200J-A1	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-BD-200J-A2	Steam Generator Blowdown Isolation			Note 1
	56A	ZS-CC-201A-A1	Reactor Coolant Pump Thermal Barrier Return Header			Note 2
	56A	ZS-CC-201A-A2	Reactor Coolant Pump Thermal Barrier Return Header			Note 2
	56A	ZS-CV-250A-A1	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250A-A2	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250B-B1	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250B-B2	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250C-A1	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250C-A2	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250D-B1	Containment Vacuum Pump Suction			Note 2
	56A	ZS-CV-250D-B2	Containment Vacuum Pump Suction			Note 2
	56A	ZS-DA-200A-A1	Containment Sump Pump Discharge			Note 2
	56A	ZS-DA-200A-A2	Containment Sump Pump Discharge			Note 2
	56A	ZS-DG-200A-A1	Primary Drain Transfer Pump Discharge			Note 2
	56A	ZS-DG-200A-A2	Primary Drain Transfer Pump Discharge			Note 2
	56A	ZS-MS-209-A1	Main Steam Line Drains to Condenser			Note 2
	56A	ZS-MS-209-A2	Main Steam Line Drains to Condenser			Note 2
	56A	ZS-MS-209-B1	Main Steam Line Drains to Condenser			Note 2
	56A	ZS-MS-209-B2	Main Steam Line Drains to Condenser			Note 2
	56A	ZS-MS-211A-A1	Auxiliary Feed Pump Turbine Drive			Note 1
	56A	ZS-MS-211A-A2	Auxiliary Feed Pump Turbine Drive			Note 1
	56A	ZS-MS-211B-B1	Auxiliary Feed Pump Turbine Drive			Note 1
	56A	ZS-MS-211B-B2	Auxiliary Feed Pump Turbine Drive			Note 1
	56A	ZS-MS-213A-A1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213A-A2	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213A-B1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213A-B2	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213B-A1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213B-A2	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213B-B1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213B-B2	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213C-A1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213C-A2	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213C-B1	Steam Generator Trip Valve			Note 2
	56A	ZS-MS-213C-B2	Steam Generator Trip Valve			Note 2
	56A	ZS-RM-200A-A1	Radiation Monitoring Isolation Return			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69A			FISHER LIMIT SWITCHES	I.B	NONE	
	56A	ZS-RM-200A-A2	Radiation Monitoring Isolation Return			Note 2
	56A	ZS-RM-200B-A1	Radiation Monitoring Isolation Supply			Note 2
	56A	ZS-RM-200B-A2	Radiation Monitoring Isolation Supply			Note 2
	56A	ZS-RM-200D-A1	Radiation Monitoring Isolation Return			Note 2
	56A	ZS-RM-200D-A2	Radiation Monitoring Isolation Return			Note 2
	56A	ZS-SI-200-A1	Nitrogen Supply Line			Note 2
	56A	ZS-SI-200-A2	Nitrogen Supply Line			Note 2
	56A	ZS-SI-200-B1	Nitrogen Supply Line			Note 2
	56A	ZS-SI-200-B2	Nitrogen Supply Line			Note 2
	56A	ZS-SI-201-A1	Nitrogen Supply Line			Note 2
	56A	ZS-SI-201-A2	Nitrogen Supply Line			Note 2
	56A	ZS-SV-203-B1	Air Ejector Discharge Trip Valve			Note 2
	56A	ZS-SV-203-B2	Air Ejector Discharge Trip Valve			Note 2
	56A	ZS-VG-200A-A1	Primary Drain Transfer Tank Vent			Note 2
	56A	ZS-VG-200A-A2	Primary Drain Transfer Tank Vent			Note 2
69B			GORDOS LIMIT SWITCHES	I.A	NONE	
		ZS-HC-100A-1	Hydrogen Analyzer #1 Suction			Qualified
		ZS-HC-100A-2	Hydrogen Analyzer #1 Suction			Qualified
		ZS-HC-102A-1	Hydrogen Analyzer #2 Suction			Qualified
		ZS-HC-102A-2	Hydrogen Analyzer #2 Suction			Qualified
		ZS-SS-106A-A1	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-106A-A2	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-106B-B1	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-106B-B2	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-107A-A1	Residual Heat Removal Sample Isolation			Qualified
		ZS-SS-107A-A2	Residual Heat Removal Sample Isolation			Qualified
		ZS-SS-107B-B1	Residual Heat Removal Sample Isolation			Qualified
		ZS-SS-107B-B2	Residual Heat Removal Sample Isolation			Qualified
		ZS-SS-108D-B1	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-108D-B2	Primary Coolant Hot Leg Sample Isolation			Qualified
		ZS-SS-102A-A1	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-SS-102A-A2	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-SS-102B-B1	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-SS-102B-B2	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-SS-103A-A1	Residual Heat Removal System Sample Isolation			Qualified
		ZS-SS-103A-A2	Residual Heat Removal System Sample Isolation			Qualified
		ZS-SS-103B-B1	Residual Heat Removal System Sample Isolation			Qualified
		ZS-SS-103B-B2	Residual Heat Removal System Sample Isolation			Qualified
		ZS-SS-109A-A1	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-SS-109A-A2	Primary Coolant Cold Leg Sample Isolation			Qualified
		ZS-HC-108A-A1	Containment Atmosphere Sampling Isolation			Qualified
		ZS-HC-108A-A2	Containment Atmosphere Sampling Isolation			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69B		GORDOS LIMIT SWITCHES		I.B	DOCUMENTATION	
	55C	ZS-HC-200A-1	Hydrogen Analyzer #1 Suction			Note 1
	55C	ZS-HC-200A-2	Hydrogen Analyzer #1 Suction			Note 1
	55C	ZS-HC-200B-1	Hydrogen Analyzer #1 Suction			Note 1
	55C	ZS-HC-200B-2	Hydrogen Analyzer #1 Suction			Note 1
	55C	ZS-HC-201A-1	Hydrogen Analyzer #1 Discharge			Note 1
	55C	ZS-HC-201A-2	Hydrogen Analyzer #1 Discharge			Note 1
	55C	ZS-HC-201B-1	Hydrogen Analyzer #1 Discharge			Note 1
	55C	ZS-HC-201B-2	Hydrogen Analyzer #1 Discharge			Note 1
	55C	ZS-HC-202A-1	Hydrogen Analyzer #2 Suction			Note 1
	55C	ZS-HC-202A-2	Hydrogen Analyzer #2 Suction			Note 1
	55C	ZS-HC-202B-1	Hydrogen Analyzer #2 Suction			Note 1
	55C	ZS-HC-202B-2	Hydrogen Analyzer #2 Suction			Note 1
	55C	ZS-HC-203A-1	Hydrogen Analyzer #2 Discharge			Note 1
	55C	ZS-HC-203A-2	Hydrogen Analyzer #2 Discharge			Note 1
	55C	ZS-HC-203B-1	Hydrogen Analyzer #2 Discharge			Note 1
	55C	ZS-HC-203B-2	Hydrogen Analyzer #2 Discharge			Note 1
	55C	ZS-RC-201A1-A1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201A1-A2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201A2-A1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201A2-A2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201B1-B1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201B1-B2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201B2-B1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-201B2-B2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202A1-A1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202A1-A2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202B1-B1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202B1-B2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202A2-A1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202A2-A2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202B2-B1	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-RC-202B2-B2	Reactor Coolant System Venting Isolation			Note 1
	55C	ZS-SS-206A-A1	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-206A-A2	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-207A-A1	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-207A-A2	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-207B-B1	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-207B-B2	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-206B-B1	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-206B-B2	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-208D-B1	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-208D-B2	Primary Coolant Hot Leg Sample Isolation			Note 1
	55C	ZS-SS-202A-A1	Primary Coolant Cold Leg Sample Isolation			Note 1
	55C	ZS-SS-202A-A2	Primary Coolant Cold Leg Sample Isolation			Note 1
	55C	ZS-SS-202B-B1	Primary Coolant Cold Leg Sample Isolation			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
69B		GORDOS LIMIT SWITCHES		I.B	DOCUMENTATION	
	55C	ZS-SS-202B-B2	Primary Coolant Cold Leg Sample Isolation			Note 1
	55C	ZS-SS-203A-A1	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-203A-A2	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-203B-B1	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-203B-B2	Residual Heat Removal Sample Isolation			Note 1
	55C	ZS-SS-209A-A1	Primary Coolant Cold Leg Sample Isolation			Note 1
	55C	ZS-SS-209A-A2	Primary Coolant Cold Leg Sample Isolation			Note 1
	55C	ZS-HC-208A-A1	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-208A-A2	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-208B-B1	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-208B-B2	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-209A-A1	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-209A-A2	Containment Atmosphere Sampling Isolation			Note 1
	55C	ZS-HC-209B-B1	Containment Atmoshpere Sampling Isolation			Note 1
	55C	ZS-HC-209B-B2	Containment Atmosphere Sampling Isolation			Note 1
70.		NAMCO LIMIT SWITCHES		III.A	NONE	
		ZS-1842-B1	Accumulator Test Line Isolation	QDR File is Available		Qualified
		ZS-1842-B2	Accumulator Test Line Isolation	QDR File is Available		Qualified
	55B	ZS-2482-B1	Accumulator Test Line Isolation	QDR File is Available		Qualified
	55B	ZS-2482-B2	Accumulator Test Line Isolation	QDR File is Available		Qualified
70A		NAMCO LIMIT SWITCHES		I.A	NONE	
		ZS-BD-100B-B1	Steam Generator Blowdown Isolation			Qualified
		ZS-BD-100B-B2	Steam Generator Blowdown Isolation			Qualified
		ZS-BD-100D-B1	Steam Generator Blowdown Isolation			Qualified
		ZS-BD-100D-B2	Steam Generator Blowdown Isolation			Qualified
		ZS-BD-100F-B1	Steam Generator Blowdown Isolation			Qualified
		ZS-BD-100F-B2	Steam Generator Blowdown Isolation			Qualified
		ZS-CC-101B-B1	Reactor Coolant Pump Thermal Barrier Between Header			Qualified
		ZS-CC-101B-B2	Reactor Coolant Pump Thermal Barrier Between Header			Qualified
		ZS-CC-102B-B1	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-102B-B2	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-102D-B1	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-102D-B2	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-102F-B1	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-102F-B2	Reactor Coolant Pump Coolers Return Header			Qualified
		ZS-CC-105A-A1	Containment Recirculation Air Cooler Outlet			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
70A		NAMCO LIMIT SWITCHES		I.A	NONE	
		ZS-CC-105A-A2	Containment Recirculation Air Cooler Outlet			Qualified
		ZS-CC-105B-A1	Containment Recirculation Air Cooler Outlet			Qualified
		ZS-CC-105B-A2	Containment Recirculation Air Cooler Outlet			Qualified
		ZS-CC-105C-A1	Containment Recirculation Air Cooler Outlet			Qualified
		ZS-CC-105C-A2	Containment Recirculation Air Cooler Outlet			Qualified
		ZS-DA-100B-B1	Containment Sump Pump Discharge			Qualified
		ZS-DA-100B-B2	Containment Sump Pump Discharge			Qualified
		ZS-DG-100B-B1	Primary Drain Transfer Pump Discharge			Qualified
		ZS-DG-100B-B2	Primary Drain Transfer Pump Discharge			Qualified
		ZS-RM-100C-B1	Radiation Monitoring to Reactor Containment			Qualified
		ZS-RM-100C-B2	Radiation Monitoring to Reactor Containment			Qualified
		ZS-SS-100A-A1	Pressurizer Liquid Space Sample Isolation Valve			Qualified
		ZS-SS-100A-A2	Pressurizer Liquid Space Sample Isolation Valve			Qualified
		ZS-SS-101A-A1	Pressurizer Vapor Space Sample Isolation Valve			Qualified
		ZS-SS-101A-A2	Pressurizer Vapor Space Sample Isolation Valve			Qualified
		ZS-SS-104A-A1	Pressurizer Relief Tank Gas Space Sample Isolation Valve			Qualified
		ZS-SS-104A-A2	Pressurizer Relief Tank Gas Space Sample Isolation Valve			Qualified
		ZS-SS-112A-A1	Steam Generator Surface Sample Isolation Valve			Qualified
		ZS-SS-112A-A2	Steam Generator Surface Sample Isolation Valve			Qualified
		ZS-VG-100B-B1	Primary Drain Transfer Tank Vent			Qualified
		ZS-VG-100B-B2	Primary Drain Transfer Tank Vent			Qualified
		ZS-1200A-A1	Chemical Volume Control System Isolation Valve for Letdown			Qualified
		ZS-1200A-A2	Chemical Volume Control System Isolation Valve for Letdown			Qualified
		ZS-1200B-B1	Chemical Volume Control System Isolation Valve for Letdown			Qualified
		ZS-1200B-B2	Chemical Volume Control System Isolation Valve for Letdown			Qualified
		ZS-1200C-C1	Chemical Volume Control System Isolation Valve for Letdown			Qualified
		ZS-1200C-C2	Chemical Volume Control System Isolation Valve for Letdown			Qualified
	55B	ZS-BD-200B-B1	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-BD-200B-B2	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-BD-200D-B1	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-BD-200D-B2	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-BD-200F-B1	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-BD-200F-B2	Steam Generator Blowdown Isolation			Qualified
	55B	ZS-CC-201B-B1	Reactor Coolant Pump Thermal Barrier Return Header			Qualified
	55B	ZS-CC-201B-B2	Reactor Coolant Pump Thermal Barrier Return Header			Qualified
	55B	ZS-CC-202B-B1	Reactor Coolant Pump Coolers Return Barrier			Qualified
	55B	ZS-CC-202B-B2	Reactor Coolant Pump Coolers Return Barrier			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
70A			NAMCO LIMIT SWITCHES	I.A	NONE	
	55B	ZS-CC-202D-B1	Reactor Coolant Pump Coolers Return Barrier			Qualified
	55B	ZS-CC-202D-B2	Reactor Coolant Pump Coolers Return Barrier			Qualified
	55B	ZS-CC-202F-B1	Reactor Coolant Pump Coolers Return Barrier			Qualified
	55B	ZS-CC-202F-B2	Reactor Coolant Pump Coolers Return Barrier			Qualified
	55B	ZS-CC-205A-A1	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-CC-205A-A2	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-CC-205B-A1	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-CC-205B-A2	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-CC-205C-A1	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-CC-205C-A2	Containment Recirculation Air Cooler Outlet			Qualified
	55B	ZS-DA-200B-B1	Containment Sump Pump Discharge			Qualified
	55B	ZS-DA-200B-B2	Containment Sump Pump Discharge			Qualified
	55B	ZS-DG-200B-B1	Primary Drain Transfer Pump Discharge			Qualified
	55B	ZS-DG-200B-B2	Primary Drain Transfer Pump Discharge			Qualified
	55B	ZS-IA-201B-B1	Containment Instrument Air Isolation			Qualified
	55B	ZS-IA-201B-B2	Containment Instrument Air Isolation			Qualified
	55B	ZS-RM-200C-B1	Radiation Monitoring To Reactor Containment			Qualified
	55B	ZS-RM-200C-B2	Radiation Monitoring To Reactor Containment			Qualified
	55B	ZS-SS-200A-A1	Pressurizer Liquid Space Sample Isolation Valve			Qualified
	55B	ZS-SS-200A-A2	Pressurizer Liquid Space Sample Isolation Valve			Qualified
	55B	ZS-SS-201A-A1	Pressurizer Vapor Space Sample Isolation Valve			Qualified
	55B	ZS-SS-201A-A2	Pressurizer Vapor Space Sample Isolation Valve			Qualified
	55B	ZS-SS-204A-A1	Pressurizer Relief Tank Gas Space Sample Isolation Valve			Qualified
	55B	ZS-SS-204A-A2	Pressurizer Relief Tank Gas Space Sample Isolation Valve			Qualified
	55B	ZS-SS-212A-A1	Steam Generator Sample Isolation Valve			Qualified
	55B	ZS-SS-212A-A2	Steam Generator Sample Isolation Valve			Qualified
	55B	ZS-VG-200B-B1	Primary Draw Transfer Tank Vent			Qualified
70B			NAMCO LIMIT SWITCHES	I.B	DOCUMENTATION	
		ZS-IA-102A-A1	Containment Instrument Air Isolation Valve		Replaced with Namco Limit Switch	Qualified
		ZS-IA-102A-A2	Containment Instrument Air Isolation Valve		Replaced with Namco Limit Switch	Qualified
		ZS-IA-102B-B1	Containment Instrument Air Isolation Valve		Replaced with Namco Limit Switch	Qualified
		ZS-IA-102B-B2	Containment Instrument Air Isolation Valve		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101A-A1	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101A-A2	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101A-B1	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101A-B2	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101B-A1	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101B-A2	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101B-B1	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101B-B2	Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
70B		NAMCO LIMIT SWITCHES	I.B	DOCUMENTATION	
		ZS-MS-101C-A1 Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101C-A2 Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101C-B1 Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-MS-101C-B2 Main Steam Line Trip		Replaced with Namco Limit Switch	Qualified
		ZS-1204-B1 Regenerative Heat Exchanger Outlet Valve		Replaced with Namco Limit Switch	Qualified
		ZS-1204-B2 Regenerative Heat Exchanger Outlet Valve		Replaced with Namco Limit Switch	Qualified
		ZS-1519A-A1 Primary Grade Water to Pressurizer Relief Tank		Replaced with Namco Limit Switch	Qualified
		ZS-1519A-A2 Primary Grade Water to Pressurizer Relief Tank		Replaced with Namco Limit Switch	Qualified
		ZS-1859-A1 Safety Injection Test Line		Replaced with Namco Limit Switch	Qualified
		ZS-1859-A2 Safety Injection Test Line		Replaced with Namco Limit Switch	Qualified
		ZS-1884A-A1 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-1884A-A2 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-1884B-B1 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-1884B-B2 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-1884C-A1 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-1884C-A2 Boron Injection Tank to Boric Acid		Replaced with Namco Limit Switch	Qualified
		ZS-HC-104A-1 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-104A-2 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-104B-1 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-104B-2 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-105A-1 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-105A-2 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-105B-1 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-105B-2 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-106A-1 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-106A-2 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-106B-1 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-106B-2 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-107A-1 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-107A-2 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-107B-1 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
		ZS-HC-107B-2 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation		Installed Conax Seal	Qualified
70B		NAMCO LIMIT SWITCHES	I.B	NONE	
55A		ZS-2204-B1 Regenerative Heat Exchanger Outlet Valve			Note 2
55A		ZS-2204-B2 Regenerative Heat Exchanger Outlet Valve			Note 2
55A		ZS-2519A-A1 Primary Grade Water to Pressurizer Relief Tank			Note 2
55A		ZS-2519A-A2 Primary Grade Water to Pressurizer Relief Tank			Note 2
55A		ZS-2859A-A1 Safety Injection Test Line			Note 2
55A		ZS-2859A-A2 Safety Injection Test Line			Note 2
55A		ZS-2884A-A1 Boron Injection Tank to Boric Acid			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
70B		NAMCO LIMIT SWITCHES	I.B	NONE	
	55A	ZS-2884A-A2 Boron Injection Tank to Boric Acid			Note 1
	55A	ZS-2884B-B1 Boron Injection Tank to Boric Acid			Note 1
	55A	ZS-2884B-B2 Boron Injection Tank to Boric Acid			Note 1
	55A	ZS-2884C-A1 Boron Injection Tank to Batch Tank			Note 1
	55A	ZS-2884C-A2 Boron Injection Tank to Batch Tank			Note 1
	55B	ZS-IA-202A-A1 Containment Instrument Air Isolation Valve			Qualified
	55B	ZS-IA-202A-A2 Containment Instrument Air Isolation Valve			Qualified
	55B	ZS-IA-202B-B1 Containment Instrument Air Isolation Valve			Qualified
	55B	ZS-IA-202B-B2 Containment Instrument Air Isolation Valve			Qualified
	55B	ZS-MS-201A-A1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201A-A2 Main Steam Line Trip			Qualified
	55B	ZS-MS-201A-B1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201A-B2 Main Steam Line Trip			Qualified
	55B	ZS-MS-201B-A1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201B-A2 Main Steam Line Trip			Qualified
	55B	ZS-MS-201B-B1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201B-B2 Main Steam Line Trip			Qualified
	55B	ZS-MS-201C-A1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201C-A2 Main Steam Line Trip			Qualified
	55B	ZS-MS-201C-B1 Main Steam Line Trip			Qualified
	55B	ZS-MS-201C-B2 Main Steam Line Trip			Qualified
	55B	ZS-VG-200B-B2 Primary Draw Transfer Tank Vent			Qualified
	55B	ZS-2200A-A1 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-2200A-A2 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-2200B-A1 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-2200B-A2 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-2200C-A1 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-2200C-A2 Chemical Volume Control System Isolation Valve for Letdown			Note 2
	55B	ZS-HC-204A-A1 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-204A-A2 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-204B-B1 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-204B-B2 Hydrogen Recombiner (1-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-205A-A1 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-205A-A2 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-205B-B1 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-205B-B2 Hydrogen Recombiner (1-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-206A-A1 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-206A-A2 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-206B-B1 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-206B-B2 Hydrogen Recombiner (2-HC-HC-1) Inlet Isolation			Note 2
	55B	ZS-HC-207A-A1 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-207A-A2 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-207B-B1 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Note 2
	55B	ZS-HC-207B-B2 Hydrogen Recombiner (2-HC-HC-1) Outlet Isolation			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
71.		NAMCO LIMIT SWITCHES	III.A	NONE	
	ZS-HCV-1200A	Regeneration Heat Outlet		Deleted R-4 dated 8/24/83 - 79-01B	Deleted
	ZS-HCV-1200B	Regeneration Heat Outlet		Deleted R-4 dated 8/24/83 - 79-01B	Deleted
	ZS-HCV-1200C	Regeneration Heat Outlet		Deleted R-4 dated 8/24/83 - 79-01B	Deleted
		NAMCO LIMIT SWITCHES	II.C	AGING QUALIFIED LIFE	
56.	ZS-HCV-2200A	Regeneration Heat Outlet		Deleted R-4 dated 9/3/81 - 0588	Deleted
56.	ZS-HCV-2200B	Regeneration Heat Outlet		Deleted R-4 dated 9/3/81 - 0588	Deleted
56.	ZS-HCV-2200C	Regeneration Heat Outlet		Deleted R-4 dated 9/3/81 - 0588	Deleted
71A		MICRO SWITCH LIMIT SWITCHES	I.B	NONE	
	ZS-CC-100A-B1	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-100A-B2	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-100B-B1	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-100B-B2	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-100C-B1	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-100C-B2	Containment Recirculation Air Cooler Outlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102A-A1	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102A-A2	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102C-A1	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102C-A2	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102E-A1	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-102E-A2	Reactor Coolant Pump Cooler Return Header		Replaced with Namco Limit Switch	Qualified
	ZS-CC-103A-A1	Residual Heat Removal Heat Exchanger Return		Replaced with Namco Limit Switch	Qualified
	ZS-CC-103A-A2	Residual Heat Removal Heat Exchanger Return		Replaced with Namco Limit Switch	Qualified
	ZS-CC-103B-B1	Residual Heat Removal Heat Exchanger Return		Replaced with Namco Limit Switch	Qualified
	ZS-CC-103B-B2	Residual Heat Removal Heat Exchanger Return		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104A-A1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104A-A2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104A-B1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104A-B2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104B-A1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104B-A2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104B-B1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104B-B2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104C-A1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104C-A2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104C-B1	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified
	ZS-CC-104C-B2	Reactor Coolant Pump Cooler Inlet		Replaced with Namco Limit Switch	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
71A		MICRO SWITCH LIMIT SWITCHES	I.B	NONE	
		ZS-LM-100A-A1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100A-A2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100B-B1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100B-B2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100C-A1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100C-A2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100D-B1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100D-B2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100E-A1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100E-A2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-10uF-B1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100F-B2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100G-A1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100G-A2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100H-B1 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-100H-B2 Containment Open Tap	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101A-A1 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101A-A2 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101B-B1 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101B-B2 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101C-A1 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101C-A2 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101D-B1 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-LM-101D-B2 Containment Leakage Monitoring	Replaced with Namco Limit Switch		Qualified
		ZS-SS-100B-B1 Pressurizer Liquid Sample Space Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-100B-B2 Pressurizer Liquid Sample Space Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-101B-B1 Pressurizer Vapor Space Sample Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-101B-B2 Pressurizer Vapor Space Sample Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-104B-B1 Pressurizer Relief Tank Gas Space Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-104B-B2 Pressurizer Relief Tank Gas Space Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-112B-B1 Steam Generator Sample Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SS-112B-B2 Steam Generator Sample Isolation Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101A-A1 Air Cooler Emergency Supply Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101A-A2 Air Cooler Emergency Supply Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101A-B1 Air Cooler Emergency Supply Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101A-B2 Air Cooler Emergency Supply Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101B-A1 Air Cooler Emergency Return Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101B-A2 Air Cooler Emergency Return Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101B-B1 Air Cooler Emergency Return Valve	Replaced with Namco Limit Switch		Qualified
		ZS-SW-101B-B2 Air Cooler Emergency Return Valve	Replaced with Namco Limit Switch		Qualified
56B		ZS-CC-200A-B1 Containment Recirculation Air Cooler Outlet			Note 2
56B		ZS-CC-200A-B2 Containment Recirculation Air Cooler Outlet			Note 2
56B		ZS-CC-200B-B1 Containment Recirculation Air Cooler Outlet			Note 2
56B		ZS-CC-200B-B2 Containment Recirculation Air Cooler Outlet			Note 2
56B		ZS-CC-200C-B1 Containment Recirculation Air Cooler Outlet			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
71A			MICRO SWITCH LIMIT SWITCHES	I.B	NONE	
	56B	ZS-CC-200C-B2	Containment Recirculation Air Cooler Outlet			Note 2
	56B	ZS-CC-202A-A1	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-202A-A2	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-202C-A1	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-202C-A2	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-202E-A1	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-202E-A2	Reactor Coolant Pump Cooler Return Header			Note 2
	56B	ZS-CC-203A-A1	Residual Heat Removal Heat Exchanger Return			Note 2
	56B	ZS-CC-203A-A2	Residual Heat Removal Heat Exchanger Return			Note 2
	56B	ZS-CC-203B-B1	Residual Heat Removal Heat Exchanger Return			Note 2
	56B	ZS-CC-203B-B2	Residual Heat Removal Heat Exchanger Return			Note 2
	56B	ZS-CC-204A-A1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204A-A2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204A-B1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204A-B2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204B-A1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204B-A2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204B-B1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204B-B2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204C-A1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204C-A2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204C-B1	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-CC-204C-B2	Reactor Coolant Pump Coolant Inlet			Note 2
	56B	ZS-LM-200A-A1	Open Pressure Tap			Note 2
	56B	ZS-LM-200A-A2	Open Pressure Tap			Note 2
	56B	ZS-LM-200B-B1	Open Pressure Tap			Note 2
	56B	ZS-LM-200B-B2	Open Pressure Tap			Note 2
	56B	ZS-LM-200C-A1	Open Pressure Tap			Note 2
	56B	ZS-LM-200C-A2	Open Pressure Tap			Note 2
	56B	ZS-LM-200D-B1	Open Pressure Tap			Note 2
	56B	ZS-LM-200D-B2	Open Pressure Tap			Note 2
	56B	ZS-LM-200E-A1	Open Pressure Tap			Note 2
	56B	ZS-LM-200E-A2	Open Pressure Tap			Note 2
	56B	ZS-LM-200F-B1	Open Pressure Tap			Note 2
	56B	ZS-LM-200F-B2	Open Pressure Tap			Note 2
	56B	ZS-LM-200G-A1	Open Pressure Tap			Note 2
	56B	ZS-LM-200G-A2	Open Pressure Tap			Note 2
	56B	ZS-LM-200H-B1	Open Pressure Tap			Note 2
	56B	ZS-LM-200H-B2	Open Pressure Tap			Note 2
	56B	ZS-LM-201A-A1	Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201A-A2	Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201B-B1	Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201B-B2	Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201C-A1	Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201C-A2	Containment Leakage Monitoring			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
71A		MICRO SWITCH LIMIT SWITCHES	I.B	NONE	
	56B	ZS-LM-201D-B1 Containment Leakage Monitoring			Note 2
	56B	ZS-LM-201D-B2 Containment Leakage Monitoring			Note 2
	56B	ZS-SS-200B-B1 Pressurizer Liquid Space Sample Isolation Valve			Note 2
	56B	ZS-SS-200B-B2 Pressurizer Liquid Space Sample Isolation Valve			Note 2
	56B	ZS-SS-201B-B1 Pressurizer Vapor Space Sample Isolation Valve			Note 2
	56B	ZS-SS-201B-B2 Pressurizer Vapor Space Sample Isolation Valve			Note 2
	56B	ZS-SS-204B-B1 Pressurizer Relief Tank Gas Space Sample Isolation Valve			Note 2
	56B	ZS-SS-204B-B2 Pressurizer Relief Tank Gas Space Sample Isolation Valve			Note 2
	56B	ZS-SS-212B-B1 Steam Generator Sample Isolation Valve			Note 2
	56B	ZS-SS-212B-B2 Steam Generator Sample Isolation Valve			Note 2
	56B	ZS-SW-201A-A1 Air Cooler Emergency Supply Valve			Note 1
	56B	ZS-SW-201A-A2 Air Cooler Emergency Supply Valve			Note 1
	56B	ZS-SW-201A-B1 Air Cooler Emergency Supply Valve			Note 1
	56B	ZS-SW-201B-B1 Air Cooler Emergency Return Valve			Note 1
	56B	ZS-SW-201B-B2 Air Cooler Emergency Return Valve			Note 1
71B		GORDOS LIMIT SWITCHES	I.A	NONE	
		ZS-HC-100B-1 Hydrogen Analyzer #1 Suction			Qualified
		ZS-HC-100B-2 Hydrogen Analyzer #1 Suction			Qualified
		ZS-HC-101A-1 Hydrogen Analyzer #1 Discharge			Qualified
		ZS-HC-101A-2 Hydrogen Analyzer #1 Discharge			Qualified
		ZS-HC-101B-1 Hydrogen Analyzer #1 Discharge			Qualified
		ZS-HC-101B-2 Hydrogen Analyzer #1 Discharge			Qualified
		ZS-HC-102B-1 Hydrogen Analyzer #2 Suction			Qualified
		ZS-HC-102B-2 Hydrogen Analyzer #2 Suction			Qualified
		ZS-HC-103A-1 Hydrogen Analyzer #2 Discharge			Qualified
		ZS-HC-103A-2 Hydrogen Analyzer #2 Discharge			Qualified
		ZS-HC-103B-1 Hydrogen Analyzer #2 Discharge			Qualified
		ZS-HC-103B-2 Hydrogen Analyzer #2 Discharge			Qualified
		ZS-RC-101A1-A1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101A1-A2 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101A2-A1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101A2-A2 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101B1-B1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101B1-B2 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101B2-B1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-101B2-B2 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-102A1-A1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-102A1-A2 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-102B1-B1 Reactor Coolant System Venting Isolation			Qualified
		ZS-RC-102B1-B2 Reactor Coolant System Venting Isolation			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
71B	GORDOS LIMIT SWITCHES	I.A	DOCUMENTATION	
	ZS-RC-102A2-A1 Reactor Coolant System Venting Isolation			Qualified
	ZS-RC-102A2-A2 Reactor Coolant System Venting Isolation			Qualified
	ZS-RC-102B2-B1 Reactor Coolant System Venting Isolation			Qualified
	ZS-RC-102B2-B2 Reactor Coolant System Venting Isolation			Qualified
	ZS-HC-108B-B1 Containment Atmosphere Sampling Isolation			Qualified
	ZS-HC-108B-B2 Containment Atmosphere Sampling Isolation			Qualified
	ZS-HC-109A-A1 Containment Atmosphere Sampling Isolation			Qualified
	ZS-HC-109A-A2 Containment Atmosphere Sampling Isolation			Qualified
	ZS-HC-109B-B1 Containment Atmosphere Sampling Isolation			Qualified
	ZS-HC-109B-B2 Containment Atmosphere Sampling Isolation			Qualified
72A	FISHER LIMIT SWITCHES	I.B	NONE	
	ZS-MS-110-A1 Main Steam Condenser Drain	Replaced with Namco Limit Switch		Qualified
	ZS-MS-110-A2 Main Steam Condenser Drain	Replaced with Namco Limit Switch		Qualified
	ZS-MS-110-B1 Main Steam Condenser Drain	Replaced with Namco Limit Switch		Qualified
	ZS-MS-110-B2 Main Steam Condenser Drain	Replaced with Namco Limit Switch		Qualified
	ZS-SV-102-2-A1 Air Ejector Discharge	Replaced with Namco Limit Switch		Qualified
	ZS-SV-102-2-A2 Air Ejector Discharge	Replaced with Namco Limit Switch		Qualified
71A	FISHER LIMIT SWITCHES	I.B	NONE	
	ZS-MS-210-A1 Main Steam Condenser Drain			Note 2
	ZS-MS-210-A2 Main Steam Condenser Drain			Note 2
	ZS-MS-210-B1 Main Steam Condenser Drain			Note 2
	ZS-MS-210-B2 Main Steam Condenser Drain			Note 2
	ZS-SV-102-2-A1 Air Ejector Discharge			Note 2
	ZS-SV-102-2-A2 Air Ejector Discharge			Note 2
73A	MICRO LIMIT SWITCHES	I.B	NONE	
	ZS-CV-100-M1 Containment Air Ejector Duct	Replaced with Namco Limit Switch		Qualified
	ZS-CV-100-M2 Containment Air Ejector Duct	Replaced with Namco Limit Switch		Qualified
72A	MICRO LIMIT SWITCHES	I.B	NONE	
	ZS-CV-200-M1 Containment Air Ejector Duct			Note 2
	ZS-CV-200-M2 Containment Air Ejector Duct			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
72.		FOXBORO PRESSURE TRANSMITTERS	I.B	NONE	
		PT-1474 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1475 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1476 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1484 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1485 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1486 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1494 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1495 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
		PT-1496 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2476 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2486 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2496 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2474 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2484 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2494 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2475 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2485 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
	38.	PT-2495 Steam Generator, Steam Pressure Transmitter	Replaced	Rosemount 1153GB9	Qualified
73.		ROSEMOUNT FLOW TRANSMITTERS	I.B	NONE	
		FT-1474 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
		FT-1475 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
		FT-1484 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
		FT-1485 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
		FT-1494 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
		FT-1495 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2474 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2475 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2484 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2485 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2494 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified
	54.	FT-2495 Steam Generator Flow Transmitter	Replaced	Rosemount 1153DD6	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
74.		FOXBORO FLOW TRANSMITTERS		II.A	QUALIFIED LIFE AGING DEGRADATION INSTRUMENT ACCURACY	
		FT-1945	Low Head Injection Header	Replaced	Rosemount 1153DB5PA	Qualified
		FT-1946	Low Head Injection Header	Replaced	Rosemount 1153DB5PA	Qualified
		FOXBORO FLOW TRANSMITTERS		I.B	AGING QUALIFIED LIFE	
	50.	FT-2945	Low Head Injection Header			Note 1
	50.	FT-2946	Low Head Injection Header			Note 1
74A		FOXBORO FLOW TRANSMITTERS		I.B	DOCUMENTATION	
		FT-CC-128	Component Cooling Flow	Replaced	Rosemount 1153DB5PA	Qualified
		FT-1110	Boric Acid Charging Flow			Note 2
		FT-1122	Makeup Flow	Replaced	Rosemount 1153HB5PA	Qualified
		FT-1150	Letdown Flow	Replaced	Rosemount 1153DB5PA	Qualified
	50A	FT-CC-228	Component Cooling Flow			Note 2
	50A	FT-2110	Boric Acid Charging Flow			Note 2
	50A	FT-2122	Makeup Flow			Note 2
	50A	FT-2150	Letdown Flow			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
75.		FOXBORO FLOW TRANSMITTERS	II.A	DOCUMENTATION SIMILARITY QUALIFIED LIFE AGING DEGRADATION PEAK TEMPERATURE TIME DURATION TEST SEQUENCE	1
		FT-1961 Loop 1 Cold Leg Safety Injection	Qualified Backup Available		Note 2
		FT-1962 Loop 2 Cold Leg Safety Injection	Qualified Backup Available		Note 2
		FT-1963 Loop 3 Cold Leg Safety Injection	Qualified Backup Available		Note 2
		FOXBORO FLOW TRANSMITTERS	I.B	DOCUMENTATION SIMILARITY QUALIFIED LIFE AGING DEGRADATION PEAK TEMPERATURE TIME DURATION TEST SEQUENCE INSTRUMENT ACCURACY	
51.		FT-2962 Loop 2 Cold Leg Safety Injection	Qualified Backup Available		Note 2
51.		FT-2963 Loop 3 Cold Leg Safety Injection	Qualified Backup Available		Note 2
51.		FT-2961 Loop 1 Cold Leg Safety Injection	Qualified Backup Available		Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
76.		FOXBORO FLOW TRANSMITTERS	III.A	NONE	
	FT-1414	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1415	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1416	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1424	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1425	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1426	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1434	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1435	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
	FT-1436	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2414	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2415	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2416	Loop 1 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2424	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2425	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2426	Loop 2 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2434	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2435	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
52.	FT-2436	Loop 3 Reactor Coolant Flow Indication	Deleted R-4 dated 8/21/81 - 79-01B		Deleted
77.		BARTON FLOW TRANSMITTERS	II.A	DOCUMENTATION	
	FT-1940	Safety Injection Header Flow, Hot Leg	Replaced Rosemount 1153HB6PA		Qualified
	FT-1943	Boron Injection Tank Header Flow	Replaced Rosemount 1153HB6PA		Qualified
53.	FT-2940	Safety Injection Header Flow Hot Leg			Note 1
53.	FT-2943	Boron Injection Tank Header Flow			Note 1
78.		GEMS LEVEL TRANSMITTERS	III.B	NONE	
	LIT-RS-151A	Containment Water Level	Located Mild Environment		Deleted
79.		GEMS LEVEL TRANSMITTERS	III.B	NONE	
	LIT-RS-151B	Containment Water Level	Located Mild Environment		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
80.		BARTON LEVEL TRANSMITTERS	I.B	SIMILARITY	
		LT-1459 Pressurizer Level Transmitter	Replaced	Rosemount 1153 HD5	Qualified
		BARTON LEVEL TRANSMITTERS	I.B	NONE	
	49.	LT-2459 Pressurizer Level Transmitter	Replaced	Rosemount 1153 HD5	Qualified
81.		GEMS LEVEL TRANSMITTERS	I.B	SUBMERGENCE FUNCTIONAL TESTING	
		LT-RS-151A-1 Containment Sump Level Transmitter A	Replaced	GEM's Transmitters	Qualified
		LT-RS-151A-2 Containment Sump Level Transmitter A	Replaced	GEM's Transmitters	Qualified
		GEMS LEVEL TRANSMITTERS	I.B	NONE	
	44.	LT-RS-251A-1 Containment Sump Level Transmitter A	Replaced	GEM's Transmitters	Qualified
		GEMS LEVEL INDICATING TRANSMITTERS	III.B	NONE	
	46.	LIT-RS-251A-2 Containment Sump Level Transmitter A	Located in Mild Environment		Deleted
82.		GEMS LEVEL TRANSMITTERS	I.B	SUBMERGENCE FUNCTIONAL TESTING	
		LT-RS-151B-1 Containment Sump Level Transmitter B	Replaced	GEM's Transmitters	Qualified
		LT-RS-151B-2 Containment Sump Level Transmitter B	Replaced	GEM's Transmitters	Qualified
	44.	LT-RS-251B-1 Containment Sump Level Transmitter B	Replaced	GEM's Transmitters	Qualified
	46.	LT-RS-251B-2 Containment Sump Level Transmitter B	Replaced	GEM's Transmitters	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
83.		GEMS LEVEL TRANSMITTERS	II.B	DOCUMENTATION AGING QUALIFIED LIFE PEAK TEMPERATURE TIME DURATION PROFILE ENVELOPED STEAM EXPOSURE TEST SEQUENCE SPRAY SUBMERGENCE ANOMALIES FUNCTIONAL TESTING	
		LT-DA-110A Containment Sump Level Narrow Range	Qualified Backup Available		Deleted
		LT-DA-110B Containment Sump Level Narrow Range	Qualified Backup Available		Deleted
		GEMS LEVEL TRANSMITTERS	II.B	DOCUMENTATION AGING QUALIFIED LIFE PEAK TEMPERATURE TIME DURATION PROFILE ENVELOPED STEAM EXPOSURE SPRAY SUBMERGENCE TEST SEQUENCE ANOMALIES FUNCTIONAL TESTING	
	64.	LT-DA-210A Containment Sump Level Narrow Range	Qualified Backup Available		Deleted
	64.	LT-DA-210B Containment Sump Level Narrow Range	Qualified Backup Available		Deleted
83A		GEMS LEVEL MODULAR RECEIVERS	III.A	NONE	
		LQ/LS-DA-110A Modular Receiver, Containment & Sump Level (Narrow Range)	Qualified Backup Available		Deleted
		LQ/LS-DA-110B Modular Receiver, Containment & Sump Level (Narrow Range)	Qualified Backup Available		Deleted
	64A	LQ/LS-DA-210A Modular Receiver, Containment & Sump Level (Narrow Range)	Qualified Backup Available		Deleted
	64A	LQ/LS-DA-210B Modular Receiver, Containment & Sump Level (Narrow Range)	Qualified Backup Available		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
84.	FOXBORO LEVEL TRANSMITTERS		II.A	DOCUMENTATION SIMILARITY QUALIFIED LIFE AGING DEGRADATION PEAK TEMPERATURE TIME DURATION TEST SEQUENCE INSTRUMENT ACCURACY	
	LT-1477	Steam Generator 1 Wide Range Level	Replaced Rosemount 1153DD5PA		Qualified
	LT-1487	Steam Generator 1 Wide Range Level	Replaced Rosemount 1153DD5PA		Qualified
	LT-1497	Steam Generator 1 Wide Range Level	Replaced Rosemount 1153DD5PA		Qualified
	FOXBORO LEVEL TRANSMITTERS		I.B	DOCUMENTATION SIMILARITY QUALIFIED LIFE AGING DEGRADATION PEAK TEMPERATURES TIME DURATION TEST SEQUENCE INSTRUMENT ACCURACY	
47.	LT-2477	Steam Generator Wide Range Level			Note 1
47.	LT-2487	Steam Generator Wide Range Level			Note 1
47.	LT-2497	Steam Generator Wide Range Level			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
85.		ROSEMOUNT LEVEL TRANSMITTERS		I.B	NONE	
		LT-1474	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1476	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1486	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1494	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1495	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1475	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1484	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1485	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
		LT-1496	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2475	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2484	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2485	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2496	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2474	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2494	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2495	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2476	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
	48.	LT-2486	Steam Generator Narrow Range Level Transmitter	Replaced	Rosemount 1153DD4	Qualified
86.		BARTON LEVEL TRANSMITTERS		I.B	NONE	
		LT-1460	Pressurizer Level Transmitter	Replaced	Rosemount 1153HD5	Qualified
	49.	LT-2460	Pressurizer Level Transmitter	Replaced	Rosemount 1153HD5	Qualified
87.		BARTON LEVEL TRANSMITTERS		I.B	NONE	
		LT-1461	Pressurizer Level Transmitter	Replaced	Rosemount 1153HD5	Qualified
	49.	LT-2461	Pressurizer Level Transmitter	Replaced	Rosemount 1153HD5	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
87A		BARTON LEVEL TRANSMITTERS		II.A	RADIATION	
		LT-1310	Coolant Level in Reactor Vessel			Qualified
		LT-1311	Coolant Level in Reactor Vessel			Qualified
		LT-1312	Coolant Level in Reactor Vessel			Qualified
		LT-1320	Coolant Level in Reactor Vessel			Qualified
		LT-1321	Coolant Level in Reactor Vessel			Qualified
		LT-1322	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2310	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2311	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2312	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2320	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2321	Coolant Level in Reactor Vessel			Qualified
	49A	LT-2322	Coolant Level in Reactor Vessel			Qualified
88.		FOXBORO PRESSURE TRANSMITTERS		II.A	AGING QUALIFIED LIFE INSTRUMENT ACCURACY	
		PT-LM-110A	Containment Pressure (Wide Range)	Documentation Submitted 4/29/83		Qualified
		PT-LM-110B	Containment Pressure (Wide Range)	Documentation Submitted 4/29/83		Qualified
		FOXBORO PRESSURE TRANSMITTERS		I.A	NONE	
	37A	PT-LM-210A	Containment Pressure (Wide Range)			Qualified
	37A	PT-LM-210B	Containment Pressure (Wide Range)			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
89.		FOXBORO PRESSURE TRANSMITTERS	II.C	QUALIFIED LIFE AGING DEGRADATION	
		PT-LM-100A Containment Pressure		Replaced Rosemount 1153AB6PA	Qualified
		PT-LM-100B Containment Pressure		Replaced Rosemount 1153AB6PA	Qualified
		PT-LM-100C Containment Pressure		Replaced Rosemount 1153AB6PA	Qualified
		PT-LM-100D Containment Pressure		Replaced Rosemount 1153AB6PA	Qualified
		FOXBORO PRESSURE TRANSMITTERS	III.B	NONE	
	37.	PT-LM-200A Containment Pressure			Note 1
	37.	PT-LM-200B Containment Pressure			Note 1
	37.	PT-LM-200C Containment Pressure			Note 1
	37.	PT-LM-200D Containment Pressure			Note 1
		FOXBORO PRESSURE TRANSMITTERS	II.A	AGING QUALIFIED LIFE INSTRUMENT ACCURACY	
	39.	PT-LM-100A Containment Pressure		Duplicate TER Item 89(U1)	Duplicate
	39.	PT-LM-100B Containment Pressure		Duplicate TER Item 89(U1)	Duplicate
90.		FOXBORO PRESSURE TRANSMITTERS	II.A	QUALIFIED LIFE AGING DEGRADATION INSTRUMENT ACCURACY	
		PT-RS-156A Recirculation Spray Pump Discharge		Replaced Rosemount 1153GB7PA	Qualified
		PT-RS-156B Recirculation Spray Pump Discharge		Replaced Rosemount 1153GB7PA	Qualified
		FOXBORO PRESSURE TRANSMITTERS	I.B	AGING QUALIFIED LIFE	
	40.	PT-RS-256A Recirculation Spray Pump Discharge			Note 1
	40.	PT-RS-256B Recirculation Spray Pump Discharge			Note 1

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
90A			FOXBORO PRESSURE TRANSMITTERS	III.A	NONE	
		PT-1921	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
		PT-1925	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
		PT-1929	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
	40A	PT-2921	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
	40A	PT-2925	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
	40A	PT-2929	Accumulator Pressure	Considered Cat. III R.G. 1.97		Deleted
91.			BARTON PRESSURE TRANSMITTERS	I.B	DOCUMENTATION	
		PT-1402	Reactor Coolant System Wide Range	Replaced Rosemount 1153GD9PA		Qualified
	41.	PT-2402	Reactor Coolant System Wide Range			Note 1
92.			ROSEMOUNT PRESSURE TRANSMITTERS	I.B	AGING QUALIFIED LIFE PEAK TEMPERATURE TEST SEQUENCE FUNCTIONAL TESTING	
		PT-1403	Reactor Coolant System Wide Range	Replaced Rosemount 1153GD9PA		Qualified
			ROSEMOUNT PRESSURE TRANSMITTERS	I.B	AGING QUALIFIED LIFE PEAK TEMPERATURE TEST SEQUENCE INSTRUMENT ACCURACY	
	43.	PT-2403	Reactor Coolant System Wide Range			Note 1
93.			BARTON PRESSURE TRANSMITTERS	I.B	NONE	
		PT-1457	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified
		PT-1455	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified
		PT-1456	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified
	42.	PT-2455	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified
	42.	PT-2456	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified
	42.	PT-2457	Pressurizer Pressure Protection	Replaced Rosemount 1153GD9		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
93A		MASON NEILAN TRANSMITTERS		I.B	DOCUMENTATION	
		LT-1115	Volume Control Tank Level	Considered Cat. III R.G. 1.97		Deleted
		MASON NEILAN LEVEL TRANSMITTERS				
	48A	LT-2115	Volume Control Tank Level	Considered Cat. III R.G. 1.97		Deleted
107.		GEMS LEVEL TRANSMITTERS		I.B	DOCUMENTATION	
		LIT-DA-110A	Containment Sump Level (Narrow Range)	Qualified Backup Available		Deleted
	45.	LIT-DA-210A	Containment Sump Level (Narrow Range)	Qualified Backup Available		Deleted
108.		GEMS LEVEL TRANSMITTERS		I.B	DOCUMENTATION	
		LIT-DA-110B	Containment Sump Level (Narrow Range)	Qualified Backup Available		Deleted
	45.	LIT-DA-210B	Containment Sump Level (Narrow Range)	Qualified Backup Available		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
101.		KLOCKNER-MOELLER MOTOR CONTROL CENTERS		II.C	AGING QUALIFIED LIFE	
		-MC-19	Supplies Power to Safety System	Additional	Documentation in QDR	Qualified
		EP-MC-20	Supplies Power to Safety System	Additional	Documentation in QDR	Qualified
		EP-MC-21	Supplies Power to Safety System	Additional	Documentation in QDR	Qualified
		EP-MC-22	Supplies Power to Safety System	Additional	Documentaiton in QDR	Qualified
	79.	EP-MC-19	Supplies Power to Safety Systems	Additional	Documentation in QDR	Qualified
	79.	EP-MC-20	Supplies Power to Safety Systems	Additional	Documentation in QDR	Qualified
	79.	EP-MC-21	Supplies Power to Safety Systems	Additional	Documentation in QDR	Qualified
		KNOCKNER-MOELLER MOTORE CONTROL CENTERS		I.A	NONE	
	79A	EP-MC-22	Supplies Power to Safety System			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
110.		CONAX ELECTRIC PENETRATION		I.A	NONE	
		TYPE-IA	Low Voltage Power			Qualified
		TYPE-IB	Low Voltage Power			Qualified
		TYPE-IC	Low Voltage Power			Qualified
		TYPE-IIA	Low Voltage Power			Qualified
		TYPE-IIB	Low Voltage Power			Qualified
		TYPE-IIC	Low Voltage Power			Qualified
		TYPE-IID	Low Voltage Power			Qualified
		TYPE-IIE	Low Voltage Power			Qualified
		TYPE-III	Triaxial			Qualified
		TYPE-IV	Thermocouples			Qualified
	80.	TYPE-IA	Low Voltage Power			Qualified
	80.	TYPE-IB	Low Voltage Power			Qualified
	80.	TYPE-IC	Low Voltage Power			Qualified
	80.	TYPE-IIA	Low Voltage Power			Qualified
	80.	TYPE-IIB	Low Voltage Power			Qualified
	80.	TYPE-IIC	Low Voltage Power			Qualified
	80.	TYPE-IID	Low Voltage Power			Qualified
	80.	TYPE-IIE	Low Voltage Power			Qualified
	108.	Type IV	Thermocouples			Qualified
	109.	TYPE III	Triaxial			Qualified
		CONAX PENETRATION ASSEMBLIES		I.A	NONE	
	81.	TYPE-IA	Low Voltage Power			Duplicate
	81.	TYPE-IB	Low Voltage Power			Duplicate
	81.	TYPE-IC	Low Voltage Power			Duplicate
	81.	TYPE-IIA	Low Voltage Power			Duplicate
	81.	TYPE-IIB	Low Voltage Power			Duplicate
	81.	TYPE-IIC	Low Voltage Power			Duplicate
	81.	TYPE-IID	Low Voltage Power			Duplicate
	81.	TYPE-IIE	Low Voltage Power			Duplicate

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
111.		OKONITE INSIDE RECIRCULATION SPRAY PUMP MOTOR SPLICES		I.A	NONE	
		SP-62-1	Engineered Safety Function Design Basis Accident Mitigation			Qualified
	88.	SP-62-1	Engineered Safety Function Design Basis Accident Mitigation			Qualified
		OKONITE 3M INSIDE RECIRCULATION SPRAY PUMP MOTOR SPLICES		II.A	DOCUMENTATION SIMILARITY	
	114.	SP-26B	Engineered Safety Feature Design Basis Accident Mitigation	Documentation Submitted 4/29/83		Qualified
112.		RAYCHEM SPLICING MATERIAL		I.A	NONE	
		WCSFN	Field Splicing Material			Qualified
	86.	WCSFN	Field Splicing Material			Qualified
113.		OKONITE TAPED SPLICES		I.A	NONE	
		T-95	Insulating Tape			Qualified
		T-35	Jacketing Tape			Qualified
	87.	T-95	Insulating Tape			Qualified
	87.	T-35	Jacketing Tape			Qualified
		CONAX SPLICES		I.A	NONE	
	85.	KAPTON	Supplies Power to Safety Systems			Qualified
114.		ITE 480 VOLT SWITCHGEARS		IV	NONE	
		EE-SS-04	480 Volt Switchgear (2J1)	QDR File is Available		Qualified
		ITE IMPERIAL 480 VOLT SWITCHGEAR (2H1)		III.B	NONE	
	78.	EE-SS-03	Supplies Power to Safety Systems	Deleted R-4 dated 9/31/81 - 0588		Deleted

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
		ITE IMPERIAL 480 VOLT SWITCHGEAR (2J1)		II.C	AGING QUALIFIED LIFE AGING DEGRADATION	
	77.	EE-SS-04	480 Volt Switchgear (2J1)	Additional Documentation in QDR		Qualified
		ITE IMPERIAL 480 VOLT TRANSFORMER (2J1)		III.B	NONE	
	107.	EE-ST-01	480 Volt Transformer	Deleted R-4 dated 9/31/81 - 0588		Deleted
115.		ITE 480 VOLT SWITCHGEARS		IV	NONE	
		EE-ST-02	480 Volt Switchgear (2J1)	QDR File is Available		Qualified
		ITE IMPERIAL 480 VOLT TRANSFORMER (2J1)		II.C	AGING QUALIFIED LIFE AGING DEGRADATION	
	106.	EE-ST-02	480 Volt Transformer	Additional Documentation in QDR		Qualified
116.		WESTINGHOUSE TERMINAL BLOCKS		I.B	RADIATION	
		Model TBAL	Supplies Power To Safety System	Nylon Blocks Removed		Deleted
	113.	TB-32E	Supplies Power to Safety System	Nylon Blocks Removed		Deleted
117.		GENERAL ELECTRIC TERMINAL BLOCKS		I.A	NONE	
		Model EB-5/EB-25	Supplies Power to Safety System			Qualified
	112.	EB-5/EB-25	Supplies Power to Safety System			Qualified
118.		THERMO-ELECTRIC TERMINAL BLOCKS		I.A	NONE	
		Model 3225	Supplies Power to Safety System	Not Used on Master List Equipment		Deleted
	111.	Model 3225	Supplies Power to Safety System	Not Used on Master List Equipment		Deleted

blg/1254B/68

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT
NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
119.		CONNECTRON TERMINAL BLOCKS	I.B	RADIATION	
		Model NSE-3/NSS-3/PSU Containment Electrical Penetration	Nylon Blocks Removed		Deleted
			I.A	NONE	
120.		MARATHON TERMINAL BLOCKS	I.A	NONE	
		Model 200/1500 Supplies Power to Safety System			Qualified
	83.	Model 200/1500 Supplies Power to Safety System			
		CONNECTRON TERMINAL BLOCKS	I.B	RADIATION	
	110.	NSE-3, NSS-3 Supplies Power to Safety System	Nylon Blocks Removed		Deleted
121.		CONNECTRON TERMINAL BLOCKS	I.A	NONE	
		Model NSS3 PLYSL Containment Electrical Penetrations			Qualified
	84.	NSS3 PLYSL Supplies Power to Safety System			Qualified
122.		RAYCHEM TERMINATIONS	I.A	NONE	
		HVT/HVMC Supplies Power to Safety Systems			Qualified
	122A	HVT/HVMC Supplies Power to Safety Systems			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
123.		BOSTON INSULATED WIRE AND CABLE 300 VOLT INSTRUMENT CABLES		I.A	NONE	
		NGA-67	19/C #16 AWG, Cable			Qualified
		NGA-68	12/C #16 AWG, Cable			Qualified
		NGA-69	2/C #16 AWG, Cable			Qualified
		NGA-70	18/C #16 AWG, Cable			Qualified
		NGB-35	2/C #16 AWG, Cable			Qualified
		NGB 39	3/C #16 AWG, Cable			Qualified
		NGB-40	4/C #16 AWG, Cable			Qualified
		NGB-55	45/C #16 AWG, Cable			Qualified
	91.	NGA-67	19/c #16 AWG, Cable			Qualified
	91.	NGA-68	12/c #16 AWG, Cable			Qualified
	91.	NGA-69	2/c #16 AWG, Cable			Qualified
	91.	NGA-70	18/c #16 AWG, Cable			Qualified
	91.	NGB-35	2/c #16 AWG, Cable			Qualified
	91.	NGB-39	3/c #16 AWG, Cable			Qualified
	91.	NGB-40	4/c #16 AWG, Cable			Qualified
	91.	NGB-55	45/c #16 AWG, Cable			Qualified
124.		BOSTON INSULATED WIRE AND CABLE 300 VOLT INSTRUMENT CABLES		I.A	NONE	
		NGB-35	2/c, #16 AWG, Cable			Duplicate
		NGA-69	2/c, #16 AWG, Cable			Duplicate
125		CERRO WIRE AND CABLE COMPANY HIGH TEMPERATURE CABLES		II.A	FUNCTIONAL TESTING	
		NGA-15	Triplex 250 MCM, Cable	Documentation Submitted 04/29/83		Qualified
	93.	NGA-15	Recirculation Spray Pumps	Documentation Submitted 04/29/83		Qualified
126.		CERRO WIRE AND CABLE COMPANY 300 VOLT INSTRUMENT CABLES		II.A	FUNCTIONAL TESTING	
		NGA 67	19/c, #16 AWG, Cable	Documentation Submitted 04/29/83		Qualified
		NGA-68	12/c, #16 AWG, Cable	Documentation Submitted 04/29/83		Qualified
		NGA-70	18/c, #16 AWG, Cable	Documentation Submitted 04/29/83		Qualified
		NGB-39	3/c, #16 AWG, Cable	Documentation Submitted 04/29/83		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
127.		CERRO WIRE AND CABLE COMPANY 300 VOLT INSTRUMENT CABLES		II.A	FUNCTIONAL TESTING	
		NGB-35	2/c #16 AWG, Cable	Documentation Submitted 04/29/83		Qualified
127A		CERRO WIRE AND CABLE COMPANY 300 VOLT INSTRUMENT CABLES		I.A	NONE	
		NJK-47	7/c #14 AWG, Cable			Qualified
		NJK-48	5/c #14 AWG, Cable			Qualified
		NJK-46	9/c #14 AWG, Cable			Qualified
	94A	NJK-46	9/c #14 AWG	I.A	NONE	Qualified
	94A	NJK-47	7/c #14 AWG			Qualified
127B		CONAX SEALING GLANDS		I.A	NONE	
		N-11000 Series	Electric Conductor Seal Assembly (Inside Containment)			Qualified
		PL-Series	Electric Conductor seal Assembly (Outside Containment)			Qualified
100B		CONAX SEALING GLANDS				
		N-11000 Series	Electric Conductor Seal Assembly (Inside Containment)			Qualified
		PL-Series	Electric Conductor seal Assembly (Outside Containment)			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2		DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
128.		CERRO WIRE AND CABLE COMPANY 600 VOLT COPPER CONTROL CABLES	II.A	FUNCTIONAL TESTING	
	NGA-19	2/c #2 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-34	1/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-35	2/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-36	3/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-37	5/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-38	7/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-39	9/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-40	12/c #14 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-44	1/c #12 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-45	2/c #12 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-47	4/c #12 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-49	7/c #12 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-57	4/c #10 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGA-77	4/c #10 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGB-43	2/c #8 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGB-44	2/c #6 AWG, Cable	Documentation Submitted 4/29/83		Qualified
	NGB-45	4/c #6 AWG, Cable	Documentation Submitted 4/29/83		Qualified
94.	NGA-19	2/c #2 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-34	1/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-35	2/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-36	3/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-37	5/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-38	7/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-39	9/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-40	12/c #14 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-44	1/c #12 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-45	2/c #12 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-47	4/c #12 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-49	7/c #12 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-57	4/c #10 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-77	4/c #10 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGB-43	2/c #8 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGB-44	2/c #6 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGB-45	4/c #6 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-67	19/c #16 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA 68	12/c #16 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGA-70	18/c #16 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGB-35	2/c #16 AWG	Documentation Submitted 4/29/83		Qualified
94.	NGB-39	3/c #16 AWG	Documentation Submitted 4/29/83		Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1 U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
128A	RAYCHEM 300 VOLT INSTRUMENT CABLE	I.A	NONE	
	NJK-64 4/c #16 AWG, Cable			Qualified
	NJK-65 3/c #16 AWG, Cable			Qualified
	NJK-66 2/c #16 AWG, Cable			Qualified
	NJK-67 2/c #16 AWG, Cable			Qualified
129.	ENDEVCO HARDLINE COAXIAL CABLES	I.B	NONE	
	Low Noise Cable Pressurizer Safety Valve/Power Operated Relief Valve Position			Note 2
92.	Low Noise Cable Pressurizer Safety Valve/Power Operated Relief Valve Position			Note 2
130.	GENERAL CABLE 600 VOLT ALUMINUM POWER CABLES	II.C	AGING QUALIFIED LIFE	
	NGB-5 Triplex 500 MCM, Cable		Additional Documentation in QDR	Qualified
	NGB-7 Triplex 250 MCM, Cable		Additional Documentation in QDR	Qualified
	NGB-11 Triplex 2/0 AWG, Cable		Additional Documentation in QDR	Qualified
	NGB-12 Triplex #1 AWG, Cable		Additional Documentation in QDR	Qualified
90.	NGB-5 Triplex 500 MCM		Additional Documentation in QDR	Qualified
90.	NGB-7 Triplex 250 MCM		Additional Documentation in QDR	Qualified
90.	NGB-11 Triplex 250 MCM		Additional Documentation in QDR	Qualified
90.	NGB-12 Triplex 250 MCM		Additional Documentation in QDR	Qualified
131.	GENERAL CABLE 5,000 VOLT ALUMINUM POWER CABLES	II.C	AGING QUALIFIED LIFE	
	NGA-3 Triplex 1000 MCM		Additional Documentation in QDR	Qualified
	NGA-4 3/C 500 MCM Aluminum Armor, Cable		Additional Documentation in QDR	Qualified
	NGA-5 3/C 1250 MCM Steel Armor, Cable		Additional Documentation in QDR	Qualified
	NGA-6 3/C 500 MCM Aluminum Armor, Cable		Additional Documentation in QDR	Qualified
	NGA-9 1/c 1500 MCM, Cable		Additional Documentation in QDR	Qualified
	NGA-10 1/c 2000 MCM, Cable		Additional Documentation in QDR	Qualified
	NGA-12 3/c 1000 MCM Aluminum Armor, Cable		Additional Documentation in QDR	Qualified
	NGA-13 3/c 4/0 AWG Aluminum Armor, Cable		Additional Documentation in QDR	Qualified
89.	NGA-3 Triplex 1000 MCM		Additional Documentation in QDR	Qualified
89.	NGA-4 3/c 500 MCM Aluminum Armor		Additional Documentation in QDR	Qualified
89.	NGA-5 3/c 1250 MCM Steel Armor		Additional Documentation in QDR	Qualified
89.	NGA-6 3/c 1250 MCM Aluminum Armor		Additional Documentation in QDR	Qualified
89.	NGA-9 1/c 1500 MCM		Additional Documentation in QDR	Qualified
89.	NGA-10 1/c 2000 MCM		Additional Documentation in QDR	Qualified
89.	NGA-12 3/c 1000 MCM Aluminum Armor		Additional Documentation in QDR	Qualified
89.	NGA-13 3/c 4/0 AWG Aluminum Armor		Additional Documentation in QDR	Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
132.		OKONITE 600 VOLT COPPER CABLES	I.A	NONE	
		NGB-01 2/c #10 AWG, Cable			Qualified
	95.	NGB-01 2/c #10 AWG			Qualified
133.		OKONITE 600 VOLT POWER CABLES	I.A	NONE	
		NGA-20 1/c 250 MCM, Cable			Qualified
		NGA-21 1/c 2/0 AWG Cable			Qualified
		NGB-15 Triplex #4 AWG, Cable			Qualified
		NGB-16 Triplex #6 AWG, Cable			Qualified
		NGB-17 3/c, #8 AWG, Cable			Qualified
		NGB-18 3/c, #10 AWG, Cable			Qualified
		NGB-19 3/c, #12 AWG, Cable			Qualified
	95.	NGA-20 1/c 250 MCM			Qualified
	95.	NGA-21 1/c 2/0 AWG			Qualified
	95.	NGB-15 Triplex #4 AWG			Qualified
	95.	NGB-16 Triplex #6 AWG			Qualified
	95.	NGB-17 3/c #8 AWG			Qualified
	95.	NGB-18 3/c #10 AWG			Qualified
	95.	NGB-19 3/c #12 AWG			Qualified
134.		OKONITE 600 VOLT ALUMINUM POWER CABLES	I.A	NONE	
		NGB-5 Triplex 500 MCM, Cable			Qualified
		NGB-7 Triplex 250 MCM, Cable			Qualified
		NGB-11 Triplex #2/0 AWG, Cable			Qualified
		NGB-12 Triplex #1 AWG, Cable			Qualified
	95.	NGB-5 Triplex 500 MCM			Qualified
	95.	NGB-7 Triplex 250 MCM			Qualified
	95.	NGB-11 Triplex #2/0 AWG			Qualified
	95.	NGB-12 Triplex #1 AWG			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
135.		OKONITE 5000 VOLT ALUMINUM POWER CABLES		I.A	NONE	
		NGA-3	Triplex 1000 MCM, Cable			Qualified
		NGA-4	3/c 500 MCM, Cable			Qualified
		NGA-13	3/c 4/0 AWG, Cable			Qualified
		NGA-14	Triplex 4/0 AWG, Cable			Qualified
	96.	NGA-4	3/c 500 MCM			Qualified
	96.	NGA-14	Triplex 4/0 AWG			Qualified
	96.	NGA-3	Triplex 1000 MCM			Qualified
	96.	NGA-13	3/c #4/0 AWG			Qualified

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION	NRC CATEGORY	DEFICIENCY	RESOLUTION
102.		ENDEVCO ACCELEROMETERS	I.B	DOCUMENTATION	
		YE-VMS-101B-1 Pressurizer Pilot Operated Relief Valve Position			Note 2
		YE-VMS-101B-2 Pressurizer Pilot Operated Relief Valve Position			Note 2
	97.	YE-VMS-201B-1 Pressurizer Pilot Operated Relief Valve Position			Note 2
	97.	YE-VMS-201B-2 Pressurizer Pilot Operated Relief Valve Position			Note 2
103.		ENDEVCO ACCELEROMETERS	I.B	DOCUMENTATION	
		YE-VMS-100A-1 Pressurizer Safety Valve Position			Note 2
		YE-VMS-100A-2 Pressurizer Safety Valve Position			Note 2
		YE-VMS-100B-1 Pressurizer Safety Valve Position			Note 2
		YE-VMS-100B-2 Pressurizer Safety Valve Position			Note 2
		YE-VMS-100C-1 Pressurizer Safety Valve Position			Note 2
		YE-VMS-100C-2 Pressurizer Safety Valve Position			Note 2
		YE-VMS-101A-1 Pressurizer Pilot Operated Relief Valve Position			Note 2
		YE-VMS-101A-2 Pressurizer Pilot Operated Relief Valve Position			Note 2
	97.	YE-VMS-200A-1 Acoustical Monitoring			Note 2
	97.	YE-VMS-200A-2 Acoustical Monitoring			Note 2
	97.	YE-VMS-200B-1 Acoustical Monitoring			Note 2
	97.	YE-VMS-200B-2 Acoustical Monitoring			Note 2
	97.	YE-VMS-200C-1 Acoustical Monitoring			Note 2
	97.	YE-VMS-200C-2 Acoustical Monitoring			Note 2
	97.	YE-VMS-201A-1 Acoustical Monitoring			Note 2
	97.	YE-VMS-201A-2 Acoustical Monitoring			Note 2
103A		VICTOREEN RADIATION MONITORS	I.A	NONE	
		RM-RMS-165 High Range Radiation Detector			Qualified
		RM-RMS-166 High Range Radiation Detector			Qualified
	103B	RM-RMS-265 High Range Radiation Detector	NuReg-0737		Note 1
		RM-RMS-266 High Range Radiation Detector	NuReg-0737		Note 1
104.		BENDIX HYDROGEN ANALYZERS	I.B	DOCUMENTATION	
		H2A-HC-100 Hydrogen Analyzer	Deleted R-4 dated 8/24/83 - 79-018		Deleted
		H2A-HC-200 Hydrogen Analyzer	Deleted R-4 dated 8/24/83 - 79-018		Deleted
	103.	H2-A-HC-200 Hydrogen Analyzer	Deleted R-4 dated 09/03/81 - 0588		Deleted
	103.	H2-A-HC-100 Hydrogen Analyzer	Deleted R-4 dated 09/31/81 - 0588		Deleted

bhg/1254B/76

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
104A		COMPSIP - DELPHI HYDROGEN ANALYZER		I.B	DOCUMENTATION	
		H2-HC-101	Hydrogen Concentration	NuReg-0737		Note 2
	103A	H_2-HC-201				Note 2
105.		WESTINGHOUSE RADIATION MONITORS		I.B	DOCUMENTATION	
		RM-SW-124	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
		RM-SW-125	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
		RM-SW-126	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
		RM-SW-127	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
	101.	RM-SW-224	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
	101.	RM-SW-225	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
	101.	RM-SW-226	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
	101.	RM-SW-227	Recirculation Spray Heat Exchanger Outlet	Documentation Submitted 4/29/83		Qualified
106.		UNHOLTZ-DICKIE REMOTE CHARGE PREAMPLIFIERS		I.B	DOCUMENTATION	
		YY-VMS-100A-1	Pressurizer Safety Valve Position			Note 2
		YY-VMS-100A-2	Pressurizer Safety Valve Position			Note 2
		YY-VMS-100B-1	Pressurizer Safety Valve Position			Note 2
		YY-VMS-100B-2	Pressurizer Safety Valve Position			Note 2
		YY-VMS-100C-1	Pressurizer Safety Valve Position			Note 2
		YY-VMS-100C-2	Pressurizer Safety Valve Position			Note 2
		YY-VMS-101A-1	Pressurizer Pilot Operated Relief Valve Position			Note 2
		YY-VMS-101A-2	Pressurizer Pilot Operated Relief Valve Position			Note 2
		YY-VMS-101B-1	Pressurizer Pilot Operated Relief Valve Position			Note 2
		YY-VMS-101B-2	Pressurizer Pilot Operated Relief Valve Position			Note 2
	98.	YY-VMS-200A-1	Acoustical Monitoring			Note 2
	98.	YY-VMS-200A-2	Acoustical Monitoring			Note 2
	98.	YY-VMS-200B-1	Acoustical Monitoring			Note 2
	98.	YY-VMS-200B-2	Acoustical Monitoring			Note 2
	98.	YY-VMS-200C-1	Acoustical Monitoring			Note 2
	98.	YY-VMS-200C-2	Acoustical Monitoring			Note 2
	98.	YY-VMS-201A-1	Acoustical Monitoring			Note 2
	98.	YY-VMS-201A-2	Acoustical Monitoring			Note 2
	98.	YY-VMS-201B-1	Acoustical Monitoring			Note 2
	98.	YY-VMS-201B-2	Acoustical Monitoring			Note 2

"STATUS OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT AT NORTH ANNA POWER STATION FOR UNITS 1 AND 2"

TECHNICAL EVALUATION REPORT ITEM NUMBER U1	U2	DESCRIPTION		NRC CATEGORY	DEFICIENCY	RESOLUTION
109.		ROCKWELL HYDROGEN RECOMBINERS		I.B	DOCUMENTATION	
		1-HC-HC-1	Hydrogen Recombiner			Note 1
	104.	2-HC-HC-1	Hydrogen Recombiner			Note 1
109A		GAMMA METRICS FLUX MONITORS		III.A	DOCUMENTATION	
		NFD-190	Neutron Flux			Note 2
		NFD-1270	Neutron Flux			Note 2
	57A	NFD-290	Neutron Flux			Note 2
	57A	NFD-2270	Neutron Flux			Note 2
109B		WESTINGHOUSE THERMOCOUPLE SYSTEM		I.B	DOCUMENTATION	
		TC-00	Thermocouples			Note 3
	62C	TC-00	Thermocouples			Note 3
109C		COPES VULCAN ELECTRICAL TO PRESSURE FOR FLOW CONTROL VALVE		III.A	NONE	
	76.	FC-2122	Charging Flow Control to Regenerate Heat Exchange	Deleted R-4 dated 9/3/81 - 0588		Deleted
109D		FISHER ELECTRICAL TO PRESSURE FOR HAND CONTROL VALVE		III.A	NONE	
	102.	AB-244A	Seal Water Flow Control	Deleted R-4 dated 9/3/81 - 0588		Deleted

ATTACHMENT 2

NORTH ANNA JCO

HYDROGEN RECOMBINERS

NORTH ANNA JUSTIFICATION FOR CONTINUED OPERATION

1. Hydrogen Recombiners*

   1-HC-HC-1, 2-HC-HC-1

   Two recombiners are available for North Anna Units 1 and 2. The recombiners are redundant and can be used on either unit. The experience detailed in Rockwell International review document AI-N139TI120010, p. 42-44, "Three Mile Island Recombiner Post-LOCA Operation," shows that the TMI-2 operational experience of a recombiner with the same or similar (e.g., insulation class) components performed for as long as it was needed and in an environment more severe than specified for either North Anna Unit. The North Anna hydrogen recombiners can therefore be relied upon until the above qualification/replacement activities are completed.

   Based on the above, no significant degradation of the safety function or misleading information to the operator as a result of failure of the equipment under the accident environment resulting from a design basis event should occur.

*Exemption Request submitted to NRC on June 18, 1984 letter serial no. 298.