



Westinghouse
Electric Corporation

Water Reactor
Divisions

Box 355
Pittsburgh Pennsylvania 15230

NS-EPR-2622

July 8, 1982

Mr. James R. Miller, Chief
Special Projects Branch
Division of Project Management
Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, MD 20014

Dear Mr. Miller:

Enclosed are:

1. Fifteen (15) copies of Revision 3 to WCAP-8587 "Equipment Qualification Data Packages" Supplement 1, EQDP-ESE-5, "Resistance Temperature Detectors: RCS Bypass Manifold" (Non-Proprietary).
2. Twenty-five (25) copies of Revision 1 to proprietary report WCAP-8687 "Equipment Qualification Test Reports" Supplement 2, E05A "Resistance Temperature Detector (RCS Bypass) (Seismic and Environmental Testing) (Proprietary).
3. Fifteen (15) copies of Revision 2 to WCAP-8587 "Equipment Qualification Data Packages" Supplement 1, EQDP-ESE-17, "Solid State Protection System (SSPS) Three Train and Safeguards Test Cabinet" (Non-Proprietary).
4. Twenty-five (25) copies of proprietary report WCAP-8687 "Equipment Qualification Test Reports" Supplement 2, E17A "Three Train Solid State Protection System (Normal and Abnormal Temperature and Humidity Testing)" (Proprietary).
5. Twenty-five (25) copies of proprietary report WCAP-8687 "Equipment Qualification Test Reports" Supplement 2, E17B "Three Train Solid State Protection System (SSPS) (Seismic Design Verification Testing)" (Proprietary).

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NON-PROP
 T008
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Also enclosed are:

1. One (1) copy of Application for Withholding AW-82-39 (Non-Proprietary).
2. One (1) copy of Affidavit (Non-Proprietary).

The above reports are being provided as a result of the completed review and acceptance by the Westinghouse Users Group. These revisions have incorporated comments received as a result of that review. These reports will replace those reports (initial submittals or revisions) previously submitted by Westinghouse for WCAP's 8587/8687.

The enclosed information is being submitted in connection with the commitments made by Westinghouse in WCAP-8587, "Methodology for Qualifying Westinghouse WRD Supplied Safety Related Electrical Equipment." The generic qualification program described in WCAP-8587 is in accordance with Regulatory Guide 1.89 (IEEE 323-1974) and 1.100 (IEEE 344-1975). It is referenced by a number of plants in Sections 3.10 and 3.11 of the FSAR.

Some of these revisions contain proprietary information of Westinghouse Electric Corporation. In conformance with the requirements of 10CFR Section 2.790, as amended, of the Commission's regulations, we are enclosing with this submittal an application for withholding from public disclosure and an affidavit. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission.

Correspondence with respect to the affidavit or application for withholding should reference AW-82-39 and should be addressed to R. A. Wiesemann, Manager of Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230.

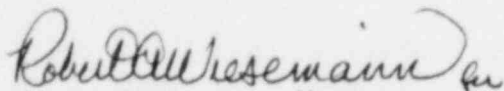
By carbon copy of this letter, we are sending two (2) additional copies of all of the reports listed above. One copy to Mr. Paul Shemanski of the NRC Equipment Qualification Branch and one (1) copy to Mr. Richard Borgen of EG&G Idaho. This is being done to provide the necessary documentation which will permit EG&G Idaho to complete the first two review stages of the Westinghouse program as agreed at our meeting on January 8, 1982, at the NRC with Mr. Shemanski and members of EG&G Idaho staff.

Table 1 summarizes those Westinghouse programs that have been completed and for which the qualification documentation has been reviewed and accepted by the working group which represents a group of utilities who are referencing WCAP-8587 for qualification purposes. With this submittal, the NRC now has all of this information. Table 2 summarizes the status of other Westinghouse ongoing qualification programs which we expect to be completed in the near term.

At your earliest convenience, we would appreciate an estimate from you of the completion date for your review of this material. If a meeting with Westinghouse, or any other support we can give, would help you with this review, please do not hesitate to contact myself, George Butterworth (412) 373-5761, or Alex Ball (412) 373-5792 of my staff.

Very truly yours,

WESTINGHOUSE ELECTRIC CORPORATION



E. P. Rahe, Jr., Manager
Nuclear Safety Department

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Enclosures

TABLE 1

Complete Qualification Program Documentation July 1982

<u>Program Number</u>	<u>Equipment Description</u>	<u>Final Version of EQDP and EQTR</u>
	WCAP-8587, Methodology	Revision 5
AE-1	Medium Pump Motors	EQDP-AE-1, Rev. 3 EQTR-A01A, Rev. 1
AE-2	Large Motors	EQDP-AE-2, Rev. 4 EQTR-A02A, Rev. 1
AE-3	Canned Motors	EQDP-AE-3, Rev. 4 EQTR-A03A, Rev. 2
ESE-1	Pressure Transmitters Group A (Barton)	EQDP-ESE-1, Rev. 3 EQTR-E01A, Rev. 1
ESE-2	Pressure Transmitters Group B	EQDP-ESE-2, Rev. 4 EQTR-E02A, Rev. 1 (Barton) EQTR-E02B, Rev. 1 (Veritrak)
ESE-3	DP Transmitters Group A (Barton)	EQDP-ESE-3, Rev. 3 EQTR-E03A, Rev. 1
ESE-4	DP Transmitters Group B	EQDP-ESE-4, Rev. 5 EQTR-E04A, Rev. 1 (Barton) EQTR-E04B, Rev. 2 (Veritrak)
ESE-5	RTD's - RCS Bypass Manifold	EQDP-ESE-5, Rev. 3 EQTR-E05A, Rev. 1
ESE-6	RTD's - Well Mounted	EQDP-ESE-6, Rev. 4 EQTR-E06A, Rev. 2
ESE-7	RTD's - Fast Response	EQDP-ESE-7, Rev. 4 EQTR-E07A, Rev. 2
ESE-10	Nuclear Instrumentation	EQDP-ESE-10, Rev. 4 EQTR-E10A, Rev. 2
ESE-14	Indicators	EQDP-ESE-14, Rev. 3 EQTR-E14A, Rev. 1
ESE-15	Recorders	EQDP-ESE-15, Rev. 3 EQTR-E15A, Rev. 1
ESE-16	Solid State Protection System	EQDP-ESE-16, Rev. 4 EQTR-E16A, Rev. 1 EQTR-E16B, Rev. 2 EQTR-E16C, Rev. 0
ESE-17	SSPS - 3 Train	EQDP-ESE-17, Rev. 2 EQTR-E17A, Rev. 0 EQTR-E17B, Rev. 0
ESE-18	Static Inverter	EQDP-ESE-18, Rev. 4 EQTR-E18A, Rev. 1

TABLE 1 (cont.)

<u>Program Number</u>	<u>Equipment Description</u>	<u>Final Version of EQDP and EQTR</u>
ESE-19	Instrument Bus Distribution Panels	EQDP-ESE-19, Rev. 3 EQTR-E19A, Rev. 1
ESE-20	Reactor Trip Switchgear	EQDP-ESE-20, Rev. 4 EQTR-E20A, Rev. 2
ESE-21	Pressure Sensor	EQDP-ESE-21, Rev. 3 EQTR-E21A, Rev. 1
ESE-22	Power Range 4-Section Excore Detector	EQDP-ESE-22, Rev. 3 EQTR-E22A, Rev. 1
HE-2&5	Solenoid Valves (One Report)	EQDP-HE2/HE5, Rev. 3 EQTR-H02A/H05A, Rev. 1
HE-3&6	Limit Switch (One Report)	EQDP-HE3/HE6, Rev. 3 EQTR-H03A/H06A, Rev. 1
HE-4	Motor Operators	EQDP-HE4, Rev. 3 EQTR-H04A, Rev. 2
-	Component Aging Program	WCAP-8687, Appendix A1, Rev. 1
-	Materials Aging Program	WCAP-8687, Appendix A2, Rev. 1

TABLE 2
Status of Westinghouse Programs Not Yet Completed
As of July 1982

<u>Program Number</u>	<u>Equipment Description</u>	<u>Estimated Completion Date</u>
ESE-1	Pressure Transmitters Group A (Veritrak)	9/30/82
ESE-3	Differential Pressure Transmitters Group A (Veritrak)	9/30/82
ESE-8	2-Section Excore Detectors	7/30/82
ESE-12	Main Control Board Switch Modules	12/31/82
ESE-13	Process Protection System	8/30/82
ESE-23	Loop Stop Valve Cabinet	12/31/82
ESE-24	RCP Speed Sensor**	12/31/82
ESE-27	N-16 Detector	7/30/82
ESE-40	DP Indicating Switch - Group B	7/30/82
ESE-47*	Boron Dilution Fix	8/30/82
HE-1	Motor Operators	9/30/82

*This qualification includes the source and intermediate range detectors, pre-amps and drawers. Includes information previously included in ESE-9 and 11.

**Upgrade Addition.