



Westinghouse  
Electric Corporation

Water Reactor  
Divisions

Box 355  
Pittsburgh Pennsylvania 15230

NS-EPR-2836

October 14, 1983

Dr. Cecil O. Thomas, Chief  
Special Projects Branch  
Division of Project Management  
Nuclear Regulatory Commission  
Phillips Building  
7920 Norfolk Avenue  
Bethesda, MD 20014

Dear Mr. Thomas:

Enclosed are:

- # 1. Fifteen (15) copies of Revision 0 to "Equipment Qualification Data Package", EQDP-HE-8, "Conax and Litton Electrical Seal Assemblies (Qualification Group A)" (Non-Proprietary).
- # 2. Twenty-five (25) copies of Revision 0 to "Equipment Qualification Test Report" H08A, "Conax and Litton Electrical Seal Assemblies (Qualification Group A)" (Proprietary).
- # 3. Fifteen (15) copies of Revision 0 "Equipment Qualification Data Package", EQDP-HE-10A, "Solenoid Operated Isolation Valve" (Non-Proprietary).
- # 4. Twenty-five (25) copies of Revision 0 to "Equipment Qualification Test Report" H10A, "Target Rock Isolation Solenoid Valve (One Inch) (Environmental and Seismic Testing )," (Proprietary).

Also enclosed are:

- 1. One (1) copy of Application for Withholding AW-83-89 (Non-Proprietary).
- 2. One (1) copy of Affidavit (Non-Proprietary).

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 Section 3.11 of the FSAR.

*Two Rids T007 1/25 H08A #2  
H10A #4*

*T008 1/15 EQDP-HE-8 #1  
EQDP-HE-10A #3*

8311100252 831014  
PDR TOPRP EMVWEST  
C PDR

These documents 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-83-89 and should be addressed to R. A. Wieseemann, 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 continue their review of the Westinghouse program.

Table 1, Part 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. These utilities are known as the "Westinghouse Users Group". Table 1, Part 2 represents the Westinghouse test programs which have been completed since October 1982. These documents have not yet been scheduled for NRC/EG&G Idaho review. With this submittal, the NRC now has all of this information.

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, Clarence Draughon (412) 374-5761, or Alex Ball (412) 374-5792 of my staff.

Very truly yours,

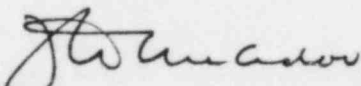
  
for E. P. Rahe, Manager  
Nuclear Safety Department

TABLE 1

(Part 1)

Complete Qualification Program Documentation October 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	EQDP-ESE-1, Rev. 3 (Barton) EQTR-E01A, Rev. 1 (Barton) EQDP-ESE-1B, Rev. 0 (Veritrak) EQTR-E01B, Rev. 0 (Veritrak)
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	EQDP-ESE-3, Rev. 3 (Barton) EQTR-E03A, Rev. 1 (Barton) EQDP-ESE-3B, Rev. 0 (Veritrak) EQTR-E03B, Rev. 0 (Veritrak)
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

TABLE 1 (Cont)

(Part 1)

Complete Qualification Program Documentation October 1982

<u>Program Number</u>	<u>Equipment Description</u>	<u>Final Version of EQDP and EQTR</u>
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
ESE-19	Instrument Bus Distribution Panels	EQDP-ESE-19, Rev. 3 EQTR-E19A, Rev. 1
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. 1
-	Component Aging Program	WCAP-8687, Appendix A1, Rev. 1
-	Materials Aging Program	WCAP-8687, Appendix A2, Rev. 1

TABLE 1 (Cont)

## (Part 2)

Documentation Submitted to the NRC for  
Westinghouse Programs Completed After October 1982

These Documents have not yet been scheduled for  
NRC/EG&G Review as of October 1983

<u>Program Number</u>	<u>Equipment Description</u>	<u>Final Version of EQDP and EQTR</u>
ESE-8	Two Section Power Range Neutron Detector	EQDP-ESE-8, Rev. 0 EQTR-E08A, Rev. 0
ESE-13	7300 Process Protection System	EQDP-ESE-13, Rev. 3 EQTR-E13A, Rev. 1 EQTR-E13B, Rev. 1
ESE-20	Reactor Trip Switchgear	EQDP-ESE-20, Rev. 4 EQTR-E20A, Rev. 2 EQTR-E20B, Rev. 1
ESE-27	N-16 Detector	EQDP-ESE-27, Rev. 0 EQTR-E27A, Rev. 0 EQTR-E27B, Rev. 0
ESE-42	Resistance Temperature Detectors: Surface Mounted	EQDP-ESE-42, Rev. 0 EQTR-E42A, Rev. 0
ESE-48	High Volume Sensor	EQDP-ESE-48, Rev. 0 EQTR-E48A, Rev. 0
ESE-49	DP Indicating Switch (Group A)	EQDP-ESE-49, Rev. 0 EQTR-E49A, Rev. 0
ESE-53	Plant Safety Monitoring System	EQDP-ESE-53, Rev. 0 EQTR-E53A, Rev. 0
ESE-54	Digital Metal Impact Monitoring System Cabinet and Associated Electronics	EQDP-ESE-54, Rev. 0 EQTR-E54A, Rev. 0
ESE-55	Auxiliary Safeguards Cabinet	EQDP-ESE-55, Rev. 0 EQTR-E55A, Rev. 0
HE-1	Limiterque Motor Operators (Group A)	EQDP-HE-1, Rev. 2 EQTR-H01A, Rev. 0
HE-8	Conax and Litton Electrical Seal Assemblies (Group A)	EQDP-HE-8, Rev. 0 EQTR-H08A, Rev. 0
HE-10	Target Rock Isolation Solenoid Valve (One Inch)	EQDP-HE-10A, Rev. 0 EQTR-H10A, Rev. 0

NS-EPR-2836

October 14, 1983

bcc:

A. E. Blanchard, 286  
C. G. Draughon, 4  
D. Rygg, 286  
D. H. Rawlins, 4  
R. A. Wieseemann, 4  
E. P. Rahe, 4  
M. Shrut, 4  
B. Lorenz, 4  
R. G. Saint-Paul, Brussels  
J. Cobian, Madrid  
E. T. Murphy, Bethesda  
J. M. Moore, PC 3 600