

THE CINCINNATI GAS & ELECTRIC COMPANY



E. A. BORGMANN
SENIOR VICE PRESIDENT

November 22, 1982

Docket No. 50-358

Mr. Harold Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

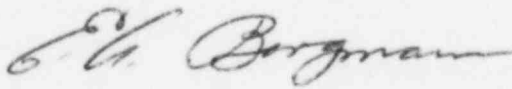
Dear Mr. Denton:

RE: WM. H. ZIMMER NUCLEAR POWER STATION -
UNIT 1 - SEISMIC QUALIFICATION OF EQUIPMENT

This is a follow-up to the October 13, 1982 letter on this same subject and Subsection 3.10 of SSER-3. Enclosed as supplemental information are six copies of the SQRT Program Status for both NSSS and BOP Equipment. Two copies of this report are being sent directly to Mr. George Dick of NRR and two copies are being sent directly to the Staff Consultant, Mr. Jag Singh of EG&G.

Very truly yours,

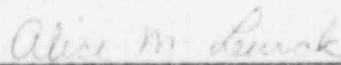
THE CINCINNATI GAS & ELECTRIC COMPANY

By  A048
E. A. BORGMANN

EAB:dew
Enclosures
cc: Without Enclosures
See Reverse Side

State of Ohio)
County of Hamilton) SS

Sworn to and subscribed before me this 22nd day of
November, 1982.


Notary Public

ALICE M. LEURCK

Notary Public, State of Ohio

My Commission Expires December 16, 1986

8211240276 821122
PDR ADOCK 05000358
A PDR

cc: John H. Frye III
M. Stanley Livingston
Frank F. Hooper
Troy B. Conner, Jr.
James P. Fenstermaker
Steven G. Smith
William J. Moran
J. Robert Newlin
Samuel H. Porter
James D. Flynn
W. F. Christianson
Lynne Bernabei
John D. Woliver
Deborah F. Webb
David K. Martin
George E. Pattison
Andrew B. Dennison
George Dick
Jag Singh

SEISMIC QUALIFICATION STATUS

NSSS

MPL NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
C11-F010 C11-F011	SCRAM DISCHARGE VOLUME VENT VALVE		5/03/83
E12-C002	RHR PUMP/MOTOR	NUTECH PRELIMINARY ANALYSIS COMPLETE	12/01/82
E21-C001	LPCS PUMP/MOTOR	NUTECH PRELIMINARY ANALYSIS COMPLETE	12/01/82
E22-C001	HPCS PUMP/MOTOR	NUTECH PRELIMINARY ANALYSIS COMPLETE	12/01/82
E22-F001	HPCS SUCTION VALVE FROM CST	ANALYSIS COMPLETE MODIFICATION REQUIRED	
E22-F004	HPCS INJECTION VALVE	ANALYSIS COMPLETE. MODIFICATION REQUIRED. TORSIONAL EFFECT ON PIPING BEING REVIEWED.	

MPL NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
E22-F010 E22-F011	HPCS TEST RETURN VALVES TO CST	ANALYSIS COMPLETE, MODIFICATION REQUIRED	4/18/83
E22-F012	HPCS BYPASS VALVE TO SUPPRESSION POOL	ANALYSIS COMPLETE. MODIFICATION REQUIRED. TORSIONAL EFFECT ON PIPING BEING REVIEWED.	
E22-F015	HPCS SUCTION VALVE FROM SUPPRESSION POOL	ANALYSIS COMPLETE, MODIFICATION REQUIRED	
E22-F023	HPCS TEST RETURN VALVE TO SUPPRESSION POOL	ANALYSIS COMPLETE MODIFICATION REQUIRED	4/18/83
E51-C002	RCIC TURBINE		7/25/83
F11-E001	FUEL PREP MACHINE		4/01/83

MPL NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
F15-E003	REFUEL PLATFORM EQUIPMENT		4/01/83
F16-E002	SPENT FUEL STORAGE RACK	QUALIFIED PENDING RESOLUTION OF NRC CONCERNS	
F16-E006	IN- VESSEL RACK	MODIFICATION WORK IN PROGRESS	1/28/83
T49-D001	FLAMMABILITY CONTROL UNIT		
C11-D001	HYDRAULIC CONTROL UNITS		2/28/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
	MULTIPLIER/DIVIDER	QUAL. TESTING IN PROGRESS	1/07/83
	TRIP AUXILIARY UNIT	QUAL. TESTING IN PROGRESS	1/07/83

SEISMIC QUALIFICATION STATUS

BOP

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
	ELECTRICAL PENETRATIONS	CONAX TO REVISE REPORTS	12/01/82
1E12C003 1E21C002 1E22C003 1E51C003	CSCS WATERLEG PUMPS	VENDOR TO REVISE REPORT	7/01/83
1VG04AA/B	SGTS HEATING COILS	TO BE REPLACED	
1VGC95Y	BALANCING DAMPER	VENDOR TO SUBMIT QUAL. REPORT	4/01/83
1VC99Y	FIRE DAMPER	NEW DAMPER - S&L TO QUALIFY	11/30/82
1VG01YA 1VG01YB 1VG06YA/B 1VG07YA/B	BUTTERFLY ISOLATION DAMPER	VENDOR TO REVISE REPORT AND RESUBMIT TO S&L FOR REVIEW	2/02/83

BOP

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1VG08YA/B 1VG09YA/B 1VG10YA/B 1VG10Y	BUTTERFLY ISOLATION DAMPER	VENDOR TO REVISE REPORT AND RESUBMIT TO S&L FOR REVIEW	2/02/82
1PC005A,B,C,D 1PC006A,B,C,D	20" VACUUM BREAKER	MK. II CONCERNS, MODIFICATIONS POSSIBLE	7/18/83
1IN061 1WS076A, B 1C41F001A, B	3" MD-GLOBE	VALVE YOKES BEING MODIFIED BY POWELL REVISED SEISMIC QUALIFICATION REPORT BEING UPDATED	3/28/83
1B21F016 1B21F019 1C11F082	3" MD- GATE	VALVE YOKES BEING MODIFIED BY POWELL REVISED SEISMIC QUALIFICATION REPORT BEING UPDATED	3/28/83
1WR055 1E51F010 1E51F031	6" MD-GATE	OPERATOR BOLTS ARE BEING REPLACED WITH HIGHER STRENGTH MATERIAL	3/28/83
1VQ017	2" PRESSURE REGULATING	VALVES PURCHASED NON-SEISMIC UPGRADED TO SEISMIC	4/01/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1VC001A, B 1VC002A, B 1VC003A, B	3" SO-GATE 4" SO-GATE	ORIGINAL QUALIFICATION TEST REPORT WAS REJECTED BY S&L	2/02/83
1VG005A, B 1VG006A, B 1VG007A, B 1VG008A, B	2" SO-GATE	VALVES UPGRADED TO ACTIVE	4/01/83
1CM005 1CM006 1CM012 1CM014	.5" AO-GLOBE	BEING REEVALUATED BY OQD & EMD	12/31/82
1CM003 1CM004	.75" AO-GLOBE	BEING REEVALUATED BY OQD & EMD	12/31/82
1E12F060A, B 1E12F075A, B	.75" AO-GLOBE	BEING REEVALUATED BY OQD & EMD	12/31/82
1B33F019 1B33F020	.75" AO-GLOBE	BEING REEVALUATED BY OQD & EMD	12/31/82

BOP

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1E12F338A,B,C, 1E21F330 1E22F314 1E51F317	.75" MD-GLOBE	BEING REEVALUATED BY CQD & EMD	12/31/82
1IN008A,B 1E12F099A,B 1E51F076	1" MD-GLOBE	BEING REEVALUATED BY CQD & EMD	12/31/82
1WR158A,B 1WR160A,B	1.5" MD-GLOBE	BEING REEVALUATED BY CQD & EMD	12/30/82
1E51F019 1E51F086	2" MD-GLOBE	ACTUAL ACCELERATIONS EXCEEDS THE ALLOWABLES EMD IS REEVALUATING THE ACCELERATIONS	12/30/82
1B21F001 1B21F002	2" MD-GLOBE	BEING REEVALUATED BY CQD & EMD	12/30/82
1E12F403	.75" X 1.0" - RELIEF	NEW VALVE PER ECR-389	6/01/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1E12F055 A,B	8" x 12" - RELIEF	NEW VALVES PER ECR-1021, S&L REVIEWED MODEL TEST VENDOR TO SUBMIT BUAL. REPORT	12/30/82
HAYS PRESS	HAYS PRESS TRANSMITTER MODELS 252;0, 252"A	FAILED TEST, TO BE REPLACED	
GE CONTROL SWITCH	GE CONTROL SWITCH MODEL CR-2940	QUALIFIED WITH PANEL 1PL.67JA/JB, NO QUALIFICATION FOR OTHER LOCA- TIONS	

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1FY-VC21B 1FY-VC23B 1FY-VC35B	SIGNAL CONVERTER	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	12/17/82
1TI-VX023 1TI-VX024 1TI-VX025	THERMOMETER (ASHCROFT)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	12/03/82
1FS-VP001 1FS-VP025	PRESSURE SWITCH (SOLON)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	12/17/82
1PDI-VP001	PRESSURE INDICATOR (DWYER)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	12/17/82
1FS-VP002 1FS-VP026	PRESSURE SWITCH (SOLON)	ANALYSIS CAN BE PERFORMED WHEN INSTALLATION LOCATION IS DETERMINED	OPEN
1PDI-VP002	PRESSURE INDICATOR (DWYER)	ANALYSIS CAN BE PERFORMED WHEN INSTALLATION LOCATION IS DETERMINED.	OPEN

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1TE-VP007 thru 1TE-VP024	RESISTANCE TEMPERATURE DETECTOR (WEED)	ANALYSIS CAN BE PER- FORMED WHEN INSTALLATION LOCATION IS DETERMINED	OPEN
1TE-VD001 thru 1TE-VD003	RESISTANCE TEMPERATURE DETECTIR (WEED)	WILL BE COMPLETED WITH 1TE-VP007 thru 1TE-VP024	OPEN
1TE-VC016 1TE-VC230	RESISTANCE TEMPERATURE DETECTOR (WEED)	WILL BE COMPLETED WITH 1TE-VP007 thru 1TE-VP024	OPEN
1AVI-VG079 1AVI-VG080 1AVI-VC087 1AVI-VC088	ANNUNCIATOR (BETA PRODUCTS, INC.)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
1AVI-VH056 1AVI-VH057 1AVI-VX027 1AVI-VX028 1AVI-VX029	ANNUNCIATOR (BETA PRODUCTS, INC.)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
1FY-VC21A 1FY-VC23A 1FY-VC35A	SQUARE ROOT EXTRACTOR (MOORE)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	12/17/82

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
IMI-VC132 IMI-VC232	PRESSURE GAUGE (ASHCROFT)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
IMC-VC132 IMC-VC232	RECEIVER CONTROLLER (MCC POWERS)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
IKI-VC007 IKI-VC238	TIMER (EAGLE SIGNAL DIV.)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
1EY-VD010 1EY-VD011 1EY-VD012	TRANSFORMER (PENN CONTROLS)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	1/14/83
1XY-VC058P 1XY-VC058R 1XY-VC067P 1XY-VC067R	DUCT SMOKE DETECTOR (PYROTRONICS)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83
1LS-VH009 A&B 1LS-VH015 A&B	FLOAT SWITCH (DELAVAL)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
ITS-VX021 - 026	ELECTRIC THERMOSTAT (UNITED ELECTRIC)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83
ITS-VC005 ITS-VC006	ELECTRIC THERMOSTAT (UNITED ELECTRIC)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83
ITS-VY001 - 004	ELECTRIC THERMOSTAT (UNITED ELECTRIC)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83
ITS-VD001 - 003	ELECTRIC THERMOSTAT (UNITED ELECTRIC)	ANALYSIS OF AS-BUILT CONDITION TO BE PERFORMED	2/11/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1LI-DG099 1LI-DG103 1LI-DG107 1LI-DG114 1LI-DG116 1LI-DG118 1LI-DG120	SIGHT GLASS LEVEL INDICATOR	S&L ANALYSIS	12/03/82
1PS-DG133 1PS-DG135 1PS-DG137 1PS-DG731A1 1PS-DG731A2 1PS-DG731B1 1PS-DG731B2 1PS-DG731C1 1PS-DG731C2	SQUARE D PRESSURE SWITCH MODEL 9012-ACW-22	CG&E TO RETEST	3/04/83
1PI-DG700-703A1 1PI-DG700-703A2 1PI-DG700-703B1 1PI-DG700-703B2 1PI-DG700-703C1 1PI-DG700-703C2 1PI-DG705-715A1 1PI-DG705-715A2 1PI-DG705-715B1 1PI-DG705-715B2 1PI-DG705-715C1 1PI-DG705-715C2	MARSHALLTOWN PRESSURE GAUGES MODELS 84026, 84032, MARSH	S&L ANALYSIS	12/03/82

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1PI-DG717A1 1PI-DG717A2 1PI-DG717B1 1PI-DG717B2 1PI-DG717C1 1PI-DG717C2	MARSHALLTOWN PRESSURE GAUGES MODELS 84026, 84032, MARSH	S&L ANALYSIS	12/03/82
1TS-DG732-736A1 1TS-DG732-736A2 1TS-DG732-736B1 1TS-DG732-736B2 1TS-DG732-736C1 1TS-DG732-736C2	SQUARE D TEMPERATURE SWITCH MODELS 9025-BCW-42 9025-BCW-45	CG&E RETEST	3/04/83
1AIT-CM005 1AIT-CM006 1AIT-CM013 1AIT-CM014 1AE-CM005 1AE-CM006 1AE-CM013 1AE-CM014	H ₂ , O ₂ MONITORS AND TRANSMITTERS	CG&E REPLACE UNDER ECR-1114, QUALIFICATION HAS NOT BEEN ESTAB- LISHED FOR ANY H ₂ O ₂ MONITORS AND TRANSMITTERS. TESTING IS CUR- RENTLY BEING DONE ON SEVERAL UNITS BY THEIR MANUFACTURER. NEW UNITS WILL BE PURCHASED ONCE QUALIFICA- TION HAS BEEN ESTABLISHED. BASED ON CURRENT TESTING SCHEDULE, BEST ESTIMATED DATE FOR ARRIVAL AT ZIMMER IS 6/84.	6/84
1TS-VG003 1TS-VG005 1TS-VG020 1TS-VG028	MERCOID TEMP. SWITCH MODEL DAW-7038-804-S2	CG&E REPLACE S&L TO RECOMMEND REPLACEMENT	RECOMMENDATION DUE 12/03/82
1PDT-VG008 1PDT-VG023	BARTON PRESSURE TRANSMITTER MODEL 385	CG&E REPLACE WITH ROSEMOUNT 1153B 15 WEEK LEAD TIME	6/03/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
1TI-VG009 1TI-VG010 1TI-VG024 1TI-VG025 1TEW-VG009 1TEW-VG010 1TEW-VG024 1TEW-VG025	ASHCROFT THERMOMETER MODEL 30BI60L-060-0-200F	S&L ANALYSIS	1/14/83
1TE-VG035 1TE-VG036 1TE-VG037 1TE-VG038 1TT-VG035 1TT-VG036 1TT-VG037 1TT-VG038	ALISON TEMP. SENSOR & TRANS- MITTER MODELS 1052-RTD-100 & 1052	CG&E REPLACE S&L TO RECOMMEND REPLACEMENT	RECOMMENDATION DUE 12/03/82
1TS-VC017 A,B, 1TS-VC018 A,B, 1TS-VC019 A,B	UNITED ELECTRIC TEMP. SWITCH MODEL F302-7BS	S&L ANALYSIS	12/03/82
1TI-VC020 A,B, 1TI-VC022 A,B, 1TI-VC035 A,B,	ASHCROFT BIMETAL THERMOMETER MODELS 50 1160R-S1?	S&L ANALYSIS	1/14/83

EQUIPMENT NO.	DESCRIPTION	COMMENT	SCHEDULED COMPLETION
ITE-VC030 ITE-VC040 ITT-VC030 ITT-VC040	ROSEMOUNT TEMP. ELEMENTS & TRANSMITTERS, MODELS 78-0067-0041 and 444	CG&E REPLACE OR TEST	6/03/83
1JX-WS261	ELMA ENG. 24VDC POWER SUPPLY MODEL 164C5261-1	CG&E REPLACE	3/04/83
	GE SBM SWITCH	S&L REVIEWING REPORT	1/14/83