



In the Matter of	)
PORTLAND GENERAL ELECTRIC COMPANY.	) Docket 50-344
et al	) (Control Building Proceeding)
(Trojan Nuclear Plant)	;

#### CERTIFICATE OF SERVICE

I hereby certify that on August 20, 1979:

- "Licensee's Supplemental Responses to Interrogatories from Coalition for Safe Power and Consolidated Intervenors"; and
- Affidavits of G. A. Zimmerman, R. W. Johnson, D. L. Damon and E. W. Edwards;

have been served upon the persons listed below by depositing copies thereof in the United States mail with proper postage affixed for first class mail.

Marshall E. Miller, Esq., Chairman Atomic Safety and Licensing Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dr. Kenneth A. McCollom, Dean Division of Engineering, Architecture and Technology Oklahoma State University Stillwater, Oklahoma 74074

Dr. Hugh C. Paxton 1229 - 41st Street Los Alamos, New Mexico 87544

Atomic Safety and Licensing Board Panel U. S. Nuclear Regulatory Commission Washington, D. C. 20555 Atomic Safety and Licensing Appeal Panel U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Docketing and Service Section (3) Office of the Secretary U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Joseph R. Gray, Esq.
Counsel for NRC Staff
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Lowenstein, Newman, Reis, Axelrad & Toll 1025 Connecticut Ave., N. W. Suite 1214 Washington, D. C. 20036

1074 104

### CERTIFICATE OF SERVICE Frank W. Ostrander, Jr., Esq. Mr. David B. McCoy Richard M. Sandvik, Esq. Assistant Attorney General 348 Hussey Lane Grants Pass, Oregon 97526 State of Oregon Department of Justice Ms. C. Gail Parson 500 Pacific Building P. O. Box 2992 520 S. W. Yamhill Kodiak, Alaska 99615 Portland, Oregon 97204 Mr. Eugene Rosolie William Kinsey, Esq. Coalition for Safe Power 215 S. E. 9th Avenue Bonneville Power Administration P. O. Box 3621 Portland, Oregon 97214 Portland, Oregon 97208 Columbia County Courthouse Ms. Nina Bell Law Library 728 S. E. 26th Avenue Circuit Court Room Portland, Oregon 07214 St. Helens, Oregon 97051 Mr. John A. Kullberg Route 1, Box 2500 Sauvie Island, Oregon 97231

Ronald W. Johnson Corporate Actorney Portland General Electric Cor

Dated: August 20, 1979

#### BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)
	) Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY, et al.	) (Control Building Proceeding)
(Trojan Nuclear Plant)	Ś

LICENSEE'S SUPPLEMENTAL RESPONSES

DATED AUGUST 20, 1979

TO INTERROGATORIES FROM COALITION FOR SAFE POWER

AND CONSOLIDATED INTERVENORS

The following are Licensee's supplemental responses dated August 20, 1979 to Interrogatories received from the Coalition for Safe Power and the Consolidated Intervenors.

Persons responding to each Interrogatory are indicated by their initials as follows:

- G. A. Zimmerman (GAZ), PGE
  R. W. Johnson (RWJ), PGE
  D. L. Damon (DLD), Bechtel
  E. W. Edwards (EWE), Bechtel
- I. CONSOLIDATED INTERVENORS' (DAVID B. MC COY'S) INTERROGATORIES, DATED AUGUST 14, 1979

#### Interrogatory 8

"Provide a summary of the equipment which is housed in the Control Building which is safety related. Identify any equipment which is related to safe shutdown of Trojan during OBE and SSE."

"Provide a history of reportable occurrences which have involved any of the equipment in Interrogatory 8. Provide all File 93.16 which are related to these and in File 93.16 reports related to these reportable occurrences."

#### Supplemental Response to Interrogatories 8 and 9

The response to Interrogatory 8 remains uncharged. Provided as Attachment 1 hereto are two reportable occurrences involving equipment identified in response to Interrogatory 8. (GAZ)

#### II. COALITION FOR SAFE POWER'S INTERROGATORIES, DATED SEPTEMBER 6, 1978

#### Interrogatory 3

"Provide all minutes of Board of Directors meetings at which the matter of the Trojan Control Building was discussed or issues related to Trojan shutdown."

#### Supplemental Response to Interrogatory 3

Attachment 2 hereto contains relevant portions of Board of Directors meeting minutes since the previous responses of September 25, 1978, October 27, 1978, and February 1, 1979. (RWJ)

## III. INTERROGATORIES DATED JANUARY 29, 1979 FROM NINA BELL OF THE CONSOLIDATED INTERVENORS

#### Interrogatory 8

"Explain how and when reviews will be made to confirm the seismic qualification of safety-related equipment following the modifications to the Control Building."

#### Supple ental Response to Interrogatory 8

The analyses described in Appendix 3 of the "Report on

Design Modification for the Trojan Control Building",

PGE-1020, are now complete. (DLD)

#### IV. CONSOLIDATED INTERVENORS' INTERROGATORIES DATED FEBRUARY 9, 1979

#### Interrogatory 34

"What principles are used in determining placement of the bolts?"

#### Interrogatory 35

"What methods will be used in this determination?"

#### Supplemental Response to Interrogatories 34 and 35

Section 5.3.4 of PGE-1020 describes the principles and methods whereby drilling of bolt holes will not adversely affect the reinforcing steel or equipment in, on or near the walls. The overall bolting pattern to be shown on construction drawings will be determined based on the principle of developing adequate shear transfer between the wall and the plate. In addition, placement of the bolts will take into consideration the size of the washers to be used. Since the washers have a radius of 9 in. and a thickness of 2 in., the bolt holes must be centered at least 9 in. from any equipment attached to the wall and in an area where equipment adjacent to the wall is more than 2 in. from the wall.

This subject is further described in Licensee's response to NRC's Questions 6 and 22, dated May 18, 1979. These

responses were served on all parties on July 6, 1979 and

June 22, 1979, respectively. (DLD)

#### Interrogatory 36

"Provide detailed drawings of the plate(s)."

#### Supplemental Response to Interrogatory 36

Detailed drawings of the plates as developed will be placed in the Discovery Room at PGE's headquarters in Portland. (GAZ)

#### Interrogatory 37

"How will the bolt holes be drilled?"

#### Supplemental Response to Interrogatory 37

The drilling equipment to be used and protective measures to be taken are discussed in Licensee's Answers, dated August 13, 1979 (served August 14, 1979), to NRC Questions 11 and 17, dated July 20, 1979. Drilling is also discussed in Licensee's Answers, dated July 5, 1979, to NRC questions arising from a site visit. (EWE)

#### Interrogatory 38

"What is the postulated effect of the drilling on adjacent or tangent cracks in the structure?"

#### Supplemental Response to Interrogatory 38

Licensee's Response dated June 29, 1979 to the NRC's Question 30 dated May 18, 1979 provided an evaluation of the drilling effects on the wall capacity, including the effects of any cracking present in the walls. (DLD)

"What existing structures will be removed?"

#### Interrogatory 42

"For each of these removed:

- a. Will they be replaced?
- b. What methods and equipment will be used?
- c. What materials are in these structures?"

#### Interrogatory 43

"Will there be beam trimming and where?"

#### Supplemental Responses to Interrogatories 41, 42, and 43

In addition to the stair, ladder and steel platform indicated in Licensee's Response dated March 1, 1979 to

Interrogatories 41 and 42, portions of the concrete slab at E1 93 ft; 2 in. of the steel girder flanges below

E1 93 ft; and a nonstructural portion of a concrete slab at E1 69 ft will be removed. These are all in the Turbine Building adjacent to the R-line wall. Concrete removal will be by saw cutting and some chipping with pneumatic tools and removal of the portion of the girder will be by oxyacetylene torch. Structural capacity of the slab removed at E1 93 ft will be replaced by addition of a reinforced concrete curb adjacent to the area where the slab has been removed. The girder and nonstructural slab need not be replaced. (DLD)

"What is the length and width of such excavations [through four slab and two rock foundation]?"

#### Supplemental Response to Interrogatory 47

The information supplied in our previous response dated

March 1, 1979 to this Interrogatory should be replaced

with the following: 1) approximately 29 ft long and 4 ft

wide at line N; 2) approximately 29 ft long and 5 ft wide

at line N'; and 3) approximately 29 ft long and 5 ft wide

at line R. (DLD)

#### Interrogatory 49

"What equipment will be used to raise/lower plate(s) into position?"

#### Interrogatory 50

"If a postulated failure of such equipment were to occur, what would the effects be?"

#### Interrogatory 51

"What cable penetrations could be effected by such an accident?"

#### Supplemental Response to Interrogatories 49, 50 and 51

More details on equipment to be used for raising and lowering the steel plates and an analysis of the effects of failure of such equipment are provided with Licensee's Responses dated August 13, 1979 (served August 14, 1979) to NRC Questions 1, 2 and 3, dated July 20, 1979. Cable penetrations could not be affected by the accident postulated in NRC Questions 1 and 2. (DLD)

"What is the material composing 'protective blantets' mentioned in Section 5.3.11 of PGE-1020?"

#### Interrogatory 66

"Provide documentation of fire protection tests done on this blanket material."

#### Interrogatory 67

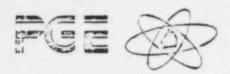
"What fire protection will be provided for cable trays during welding?"

#### Interrogatory 68

"What fire protection will be provided for cable penetrations?"

#### Supplemental Response to Interrogatories 65, 66, 67 and 68

Licensee's Response dated August 13, 1979 (served August 14, 1979) to NRC Question 11 dated July 20, 1979 identifies and provides a test report for material that may be utilized for protection of cables as an alternative to the material identified in our previous response dated March 1, 1979 to these Interrogatories. Other measures to protect the cables in this area are also described in the referenced response to NRC Question 11.



Portland General Electric Company Trojan Nuclear Plant P.O. Box 439 Rainier, Oregon 97048 ATTACHMENT 1 TO LICENSEE'S SUPPLEMENTAL RESPONSES DATED AUGUST 20, 1979 TO INTERROGATORIES

February 13, 1979 BDW-092-79

POOR ORIGINAL

Mr. R. H. Engelken, Director Nuclear Regulatory Commission, Region V 1990 No. & California Blvd. Walnut Creek, California 94596

Dear Sir:

In accordance with the Trojan Operating License, Appendix A, US NRC Technical Specifications, attached is Licensee Event Report No. 79-01 which describes a condition where routine surveillance testing of the 125V DC batteries was not completed as required.

Sincerely yours

B. D. Withers

Plant Superintendent

DDW/JCP:th

#### Attachments

c: J. L. Williams

C. Goodwin, Jr.

D. J. Broehl

R. L. Sullivan

S. L. Loy

S. R. Christensen

Nuclear Operations Board

Trojan Operating Committee

Plant Review Board

L. W. Ouinn

D. F. Kielblock

L. W. Erickson

Shift Supervisors

W. K. Woods, DOE/EFSC

Office of Management Information and Program Control

Edison Electric Institute - Patricia Higgins

NRC Resident

File 93.24a

-	_		. A D	
DC	ISE	4	コレモ	Accion/
	+	DIH		2
-		0.7P	770	
-	-	Jru"	+,	
		URC		
		YGG WOH		
		RN3 JLT		
	2		22	
		T THE	-	
	-	023		
		CAN		
	1	25.7		
	1	7/1 11		
		File No		

1074 113

MERCHANNE CECHA

#### REFORTABLE OCCURRENCE

- 1. Report Number: 79-01
- 2. a. Report Date: February 13, 1979
  - b. Occurrence Date: January 19, 1979
- 3. Facility: Trojan Nuclear Plant, P. O. Box 439 Rainier, Oregon 97048
- 4. Description of Occurrence:

Failure to perform quarterly surveillance testing on the 125V DC batteries.

5. Conditions Prior to Occurrence:

The plant was in operational Mode 1 at 100 per cent of rated power.

6. Description of Occurrence:

The operability of the 125 volt DC electrical system is confirmed by performing quarterly surveillance testing on the 125 volt patteries. This testing consists of measuring charger voltage and current, the electrolyte level, specific gravity and cell voltage of every cell. A review of plant records identified that these measurements were not taken during the last quarter of 1978. No other surveillance items were missed as a result of this occurrence.

7. Designation of Apparent Cause of Occurrence:

The apparent cause of this event is personnel error. Scheduling of some technical specification surveillance was done by computer. A programming error deleted these surveillance items from the computer program, thus they were not shown as being due.

8. Analysis of Occurrence:

This event had no effect on either plant or public safety. Subsequent surveillance testing verified that the required parameters were within the specified limits.

9. Corrective Action:

The scheduling of Technical Specification surveillance items is now being done manually, pending resolution of the problems with the company computer.

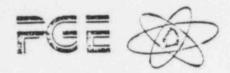
# POOR ORIGINAL

NRC FORM 368 (7-7.7)

U. S. NUCLEAR REGULATORY COMMISSION

	EXHIBIT A
CONTROL BLOCK:	IPLEASE PRINT OR TYPE ALL REQUIRED INFORMATION
OI OIRTINIPIL OI	01 -1 010 1 01 -1 0 1 01 0 0 0 0 0 0 0 0
SOURCE LEGIO 15 01	+ 0 3 4 4\7\0 0 1 1 9 7 9\3\0 2 1 3 7 9\3
EVENT DESCRIPTION AND PROBABLE	CONSEQUENCES TO THE 125 VOLT DC ELECTRICAL SYSTEM WAS NOT
O 3 VERIFIED IN ACCORDA	ANCE WITH TECHNICAL SPECIFICATION 4.8.2.3.2(b)
DIT L MEASUREMENTS OF CHA	ARGER VOLTAGE AND CURRENT AND THE ELECTROLYTE LEVEL,
OIS L SPECIFIC GRAVITY AN	D CELL VOLTAGE OF EVERY CELL. A REVIEW OF PLANT
O 16 L RECORDS INDENTIFIED	THAT THESE MEASUREMENTS WERE NOT TAKEN DURING THE
OTT L LAST QUARTER OF 197	8. SUBSECUENT TESTING VERIFIED BATTERY OPERABILITY.
018	
LERINO EVENT YEAR  NUMBER 7 21 22 23  ACTION FUTURE EFFECT SHUT TAKEN ACTION ON PLANT MET  LX 18 X 19 Z 20 26	CAUSE SUBCODE
110 L THE CAUSE OF THIS EV	CONNEL CHANGED THE COMPUTER PROGRAM USED TO SCHEDULE .
	The state of the s
The second second second	TECH SPEC SURVEILLANCE ITEMS ARE NOW DOME MANUALLY
Tri [1] (1) (1) (1) (1) (1)	A SURVEILLANCE REVIEW
ACTIVITY CONTENT	ACTIVITY (35) AG LOCATION OF RELEASE (36)
PERSONNEL EXPOSURES NULLDER TYPE OESCHIPTION TYPE OESCHIPTION TYPE OESCHIPTION TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	
NUMBER OCCURPTION (41)	
D COMPTON NA	
15 LZ G SCRIPTION 49	NAC USE ONLY
NAME OF PREPARER Tohn	68 62 43
or mer anen	C. POTTY PHONE: 503-556-3713 ext. 233

\_1074 115



Portland General Electric Company Trojan Nuclear Plant P.O. Box 439 Rainier, Oregon 97048

April 20, 1979 BDW-371-79

Mr. R. H. Engelken, Director Nuclear Regulatory Commission, Region V 1990 North California Blvd. Walnut Creek, California 94596

Dear Sir:

In accordance with the Trojan Operating License, Appendix A, US NRC Technical Specifications, attached is Licensee Event Report No. 79-02 which describes a condition where routine per eillance testing of the automatic isolation feature of the control room ventilation system was not completed as required.

BDW/JCP:ga

#### Attachments

c: J. L. Williams C. Goodwin, Jr. D. J. Broehl R. L. Sullivan S. L. Loy S. R. Christensen

Nuclear Operations Board Trojan Operating Committee

Plant Review Board

L. W. Quinn D. F. Kielblock L. W. Erickson

Shift Supervisors Director, DOE/EFSC

Office of Management Information and Program Control Edison Electric Institute - Patricia Higgins

NRC Resident Inspector File 93.24a

Since	erely,			
1	1.	-		
RI	10/1			
100	by we	ستهدا		
	. Wither		_ /	
Plant	Superi	ntende	nt (	
		GIA		
		9	- 0	0
	DIH A	2)		57
1	CJP	/		
	JWL		4	+M/
	GRC	sgg_		
1	M2H_	RNS		
	JLT	_		> M4
	GAZ	2		~~/
	LWES	RAK.	-	11
		_ JGL_	-	
	SIAL	KM		
	DRS			
()	CAH	7		
	Pr	41		
	PGE HEA	10		-

3rd LINE\_\_\_

#### REPORTABLE OCCURRENCE

Report Number: 79-02

2. a. Report Date: April 19, 1979

b. Occurrence Date: March 22, 1979

3. Facility:

Trojan Nuclear Plant, PO Box 439, Rainier, Oregon 97048

4. Identification of Occurrence:

Failure to perform 18-month surveillance testing of the control room emergency ventilation system isolation feature.

5. Conditions Prior to Occurrence:

The plant was in various operational modes including Mode 1 at 100% of rated power.

6. Description of Occurrence:

The operability of the automatic isolation feature of the control room emergency ventilation system on high chlorine and high radiation is confirmed by performing 18-month surveillance testing as required by Section 4.7.6.1.d.2 of the Tachnical Specifications. Two successive surveillances were not performed covering the period from November, 1975 to March, 1979. During this time, calibration checks were performed every six months on the high chlorine instrument which, as part of the calibration check procedure, verified the proper operation of the automatic isolation damper. This occurrence was discovered during a review of test records while establishing a manual scheduling system for technical specification surveillance items as corrective action from LER 79-01.

Designation of Apparent Cause of Occurrence:

The apparent cause of this event is personnel error. Scheduling of technical specification surveillance items was done by computer. There are approximately 48 separate surveillance items regarding the ventilation systems and the computer schedule grouped them together under one item which made it very difficult to keep track of individual items. Plant personnel overlooked these two individual surveillance items during the above time period.

#### 8. Analysis of Occurrence:

This event had no effect on either plant or public safety. Within one hour of discovery of the missed surveillances, the surveillance tests were performed satisfactorily thus verifying that the automatic isolation features were operable. During the time period that these two surveillances were not performed, calibration checks were performed every six months on the high chlorine instrument. These checks verified that the isolation damper closed automatically on a simulated high chlorine signal. The time it took for the damper to close was not checked.

#### 9. Corrective Action:

The corrective action for this event is part of the corrective action for LER 79-01 which entails converting from computer scheduling of surveillance items to manual scheduling. In addition, each of the approximately 48 separate surveillance items concerning ventilation systems is now being scheduled separately.

## POOR ORIGINAL

NRC FORM 366 U. S. NUCLEAR REGULATORY COMMISSION (7-771 LICENSEE EVENT REPORT EXHIBIT A CONTROL BLOCK. IPLEASE PRINT OR TYPE ALL REQUIRED INFORMATION 0 1 CONT SOURCE LL 6 015101-10131414 () 01312121719 (3 01411191719 ) 3 OCKET NUMBER 34 63 EVENT DATE 74 75 REPORT DATE 83 0 1 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES TO NO. 79-02; THE OPERABILITY OF THE AUTOMATIC ISOLATION FEATURE OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM ON HIGH CHLORINE AND HIGH RADIATION WAS NOT VERIFIED DURING TWO SUCCESSIVE 18-MONTH PERIODS. SUBSECUENT TESTING VERIFIED PROPER OPERATION. 0 6 0 7 0 8 COMPONENT CODE SUBCODE SIGI A X | X | X | X | X | X | X 17 REPORT NUMBER REVISION 01012 CODE 01 10 01 HOURS (22) SUPPLIER COMPONENT MANUFACTUR [Z](20) A (35) 101310 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27 THE CAUSE OF THIS EVENT IS ATTRIBUTED TO PERSONNEL ERROR. THESE TWO SURVEILLANCE ITEMS WERE MISSED WHEN SCHEDULING PERIODIC TECHNICAL SPECIFICATION SURVEILLANCE. 1 3

STATUS E 3 OTHER STATUS (30) ENGINEER OBSERVATION ACTIVITY CONTENT TELEASED OF RELEASE 80 2 3 2 3 LOCATION OF RELEASE (35) NA PERSONNEL EXPOSURES 010 10 10 Z PERSONNEL INJURIES 010 10 40 1 NA LOSS OF OR DAMAGE TO FACILITY (1) NA PUBLICITY SSUED DESCRIPTION 45 NAC USE CHLY NA 111111111 J. C. Perry NAME OF PREPARER .. 150 556-3712 extension 233

1074 119

ATTACHMENT 2 TO LICENSEE'S SUPPLEMENTAL RESPONSES DATED AUGUST 20, 1979 TO INTERROGATORIES

PORTLAND GENERAL SLECTRIC COMPART

2

January 3, 1979

Mr. Lindblad addressed the availability of the Trojan plant. He reported that the plant was in the process of resuming generation and that he expected the permanent correction of the control building wall to be determined in about six months and that subsequent construction of the corrective work would take about nine months.

# POOR ORIGINAL

PORTLAND GENERAL ELECTRIC CONFART

10:

April 4, 1979

Mr. Lindblad added that the NRC hearing on the specific design to be used in repairing the control building at the Trojan Plant had been scheduled for late July or early August 1979.

#### BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of )	Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY, ) et al )	(Control Building Proceeding)
(Trojan Nuclear Plant)	
STATE OF OREGON )	
County of Multnomah )	

#### AFFIDAVIT OF C. A. ZIMMERMAN

G. A. Zimmerman, being duly sworn according to law, deposes and says that he is Supervisor, Licensing Section, Generation Licensing & Analysis Department, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated August 20, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.

A. Zimmerman

Subscribed and sworn to before me this 20th day of August 1979.

Carl A Redadon

My Commission Expires Regard 9 1983

#### BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)			
PORTLAND GENERAL ELEC	TRIC COMPANY.	Docket 50	0-344	
et al	)	(Control	Building	Proceeding)
(Trojan Nuclear Plant	)			
STATE OF OREGON	)			
	) ss			
County of Multnomah	)			

#### AFFIDAVIT OF R. W. JOHNSON

R. W. Johnson, being duly sworn according to law, deposes and says that he is a Corporate Attorney, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated August 20, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.

R.W. Johnson

Subscribed and sworn to before me this 20th day of August 1979.

Courte of Oragon

My Commission Expires August 9 1913

#### BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY, ) et al.	(Control Building Proceeding)
(Trojan Nuclear Plant)	
STATE OF CALIFORNIA ) ) ss	
County of San Francisco )	

#### AFFIDAVIT OF D. L. DAMON

D. L. Damon, being duly sworn according to law, deposes and says that he is a Project Engineer, Bechtel Power Corporation, and that the answers associated with his name and contained in the Licensee's Responses of August 20, 1979 to Interrogatories of Consolidated Intervenors dated August 24, 1978, Lanuary 29, 1979, and February 9, 1979, and those of the Coalition for Safe Power dated September 9, 1978 are true and correct to the best of his knowledge and belief.

D. L. Damon

Subscribed and sworn to before me this 17th day of August 1979.

Notary Public of California

My Commission Expires

OFFICIAL SEAL
FRED PORGMAN
OFFICIAL SEAL
FRED PORGMAN
SAN FRANCISCO
My comm. expires CCT 1, 1979

#### BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	) Docket 50-344	
PORTLAND GENERAL ELECTRIC COMPANY, et al.	(Control Building Proceeding)	
(Trojan Nuclear Plant)		
STATE OF CALIFORNIA )		
County of San Francisco )		

#### AFFIDAVIT OF E. W. EDWARDS

E. W. Edwards, being duly sworn according to law, deposes and says that he is a Field Construction Manager, Bechtel Power Corporation, and that the answers associated with his name and contained in the Licensee's Responses of August 20, 1979 to Interrogatories of Consolidated Intervenors dated August 24, 1978, January 29, 1979, and February 9, 1979, and those of the Coalition for Safe Power dated September 6, 1978 are true and correct to the best of his knowledge and belief.

E. W. Edwards

Subscribed and sworn to before me this 17 day of August 1979.

Notary Public of California

My Commission Expires

OFFICIAL SEAL
FIRST TORONAM
NOTARY PUBLIC - CALIFORNIA
SAN STANCISCO COUNTY
My comm. Expires DOT 2, 1979