

April 30, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
WISCONSIN ELECTRIC POWER COMPANY	)	Docket Nos. 50-266
	)	50-301
(Point Beach Nuclear Plant,	)	(OL Amendment)
Units 1 and 2))	

LICENSEE'S RESPONSE TO DECADE'S
FIRST INTERROGATORIES AND REQUEST FOR
PRODUCTION OF DOCUMENTS ON THE FULL-SCALE
SLEEVING PROGRAM, INTERROGATORIES 11, 15 AND 16

Licensee herein responds to Decade's above-captioned
Interrogatories 11, 15 and 16.

Copies of identified documents are available for in-
spection at the offices of David K. Porter, Wisconsin Electric
Power Company, 231 West Michigan Street, Milwaukee, Wisconsin.

11. State the names, last know address and job title
of all parties who were employed by the Licensee or its con-
tractors or subcontractors to perform the fall 1981 demonstra-
tion sleeving program at Point Beach Nuclear Power Plant Unit 1.

RESPONSE

Licensee has been in contact with Decade, and is in the
process of developing its response.

15. Please list all leaking plugs observed at Point Beach Nuclear Plant by unit, steam generator, row, column, and date observed.

RESPONSE

A listing of leaking plugs or plugs which exhibited indications of potential leakage observed at the Point Beach Nuclear Plant is as follows:

A. Unit 1, A Steam Generator

<u>Plug Location</u>	<u>Date Observed</u>	<u>Referenced Document</u>
R16C33	12/75	Field Service Report, Nov. 24-Dec. 11, 1975, MRS4.4, WEP7(1)
R21C36	9/78	LER No. 78-014/01T-0
R31C44	3/79	LER No. 79-003/01T-0
R31C44	7/80	LER No. 80-009/01T-0
R29C54	7/80	LER No. 80-009/01T-0
R24C37	7/80	LER No. 80-009/01T-0
R21C49 (Wet End)	7/80	LER No. 80-009/01T-0
2 Plugs (Wet Ends)	11/80	LER No. 80-014/01T-0
		LER No. 80-014/01T-0
R03C09	7/81	LER No. 81-008/01T-0
R19C33	7/81	LER No. 81-008/01T-0
R24C37	7/81	LER No. 81-008/01T-0
R33C50	7/81	LER No. 81-008/01T
(Boric Acid Coated)		
R21C49 (Wet End)	7/81	LER No. 81-008/01T-0
R04C59	7/81	LER No. 81-008/01T-0
(Boric Acid Coated)		
R08C50	7/81	LER No. 81-008/01T-0
(Boric Acid Coated)		

~~Unit 1, A Steam Generator~~

R24C37	3/82	LER No. 82-007/01T-0
R21C49	3/82	LER No. 82-007/01T-0
R31C31	3/82	LER No. 82-007/01T-0
R19C33	3/82	LER No. 82-007/01T-0
R03C09	3/82	LER No. 82-007/01T-0
R01C22	3/82	LER No. 82-007/01T-0

B. Unit 1, B Steam Generator

<u>Plug Location</u>	<u>Date Observed</u>	<u>Ref. Document</u>
R33C51	3/75	G. Reed memorandum, March 1975
R32C50	6/75	S. Burstein letter to B. Rusche
R22C28	10/76	Field Service Report, Oct. 3-26, 1976, MRS 4.4 WEP9(1)

R23C28	10/76	Field Service Report, Oct. 2-26, 1976, MRS 4.4 WEP9(1)
R7C25	6/77	LER 50-266/77-06
R9C26	10/77	p. 57, 1977 Annual Operating Report
R12C55	10/77	p. 57, 1977 Annual Operating Report
R16C27	10/77	P. 57, 1977 Annual Operating Report
R18C48	10/77	p. 57, 1977 Annual Operating Report
R22C44	10/77	p. 57, 1977 Annual Operating Report
R13C55	10/77	p. 57, 1977 Annual Operating Report
R22C41	10/79	LER 79-017/01T-0
R23C50	10/79	LER 79-017/01T-0
R23C31	10/79	LER 79-017/01T-0
R21C26	10/79	LER 79-017/01T-0
R12C55	12/79	LER 79-021/01T-0
R20C55	12/79	LER 79-021/01T-0
R25C53	3/80	LER 80-002/01T-0
R22C48	3/80	LER 80-002/01T-0
R23C50 (Wet End)	3/80	LER 80-002/01T-1
R29C41	3/80	LER 80-002/01T-1
R20C46 (Wet End)	3/80	LER 80-002/01T-1
R19C37 (Wet End)	3/80	LER 80-002/01T-1
R23C53 (Wet End)	7/80	LER 80-009/01T-0
2 Plugs (Wet Ends)	11/80	LER 80-014/01T-0
R23C53 (Wet End)	7/81	LER 81-008/01T-0
R29C35	7/81	LER 81-008/01T-0
R4C46	7/81	LER 81-008/01T-0
(Boric Acid Coated)		
R29C41	7/81	LER 81-008/01T-0
(Boric Acid Coated)		
R28C39	7/81	LER 81-008/01T-0
(Boric Acid Coated)		
R29C37	7/81	LER 81-008/01T-0
(Boric Acid Coated)		
R23C38	10/81	LER 81-017/01T-0
R28C39 (Wet End)	10/81	LER 81-017/01T-0
R23C53 (Wet End)	10/81	LER 81-017/01T-0
R29C34	10/81	LER 81-017/01T-0
(Boric Acid Coated)		
R29C37	10/81	LER 81-017/01T-0
(Boric Acid Coated)		
R24C37	10/81	LER 81-017/01T-0
(Boric Acid Coated)		
R13C61	10/81	LER 81-017/01T-0

~~Unit 1, B Steam Generator~~

R23C38	3/82	LER No. 82-007/01T-0
R24C37	3/82	LER No. 82-007/01T-0
R29C35	3/82	LER No. 82-007/01T-0
R29C40	3/82	LER No. 82-007/01T-0
R13C61	3/82	LER No. 82-007/01T-0
R29C37	3/82	LER No. 82-007/01T-0
R24C50	3/82	LER No. 82-007/01T-0

C. Unit 2, A Steam Generator

<u>Plug Location</u>	<u>Date Observed</u>	<u>Reference Document</u>
R32C15	4/81	LER 81-002/01T-0

D. Unit 2, B Steam Generator

<u>Plug Location</u>	<u>Date Observed</u>	<u>Reference Document</u>
No Leaking Plugs Observed		

16. State any and all studies, analyses or consideration of any kind given to leaking plugs.

Response

A listing of documents, including letters, memoranda, and reports regarding consideration of leaking tube plugs is provided below.

<u>TYPE</u>	<u>DATE</u>	<u>SIGNER</u>	<u>SUBJECT MATTER</u>
Memorandum	3/24/75	C. W. Fay	Unit 1 Steam Generator Tube Plugging
Memorandum	3/25/75	G. A. Reed	Repair of B Steam Generator Leaking Tube Plug
Letter	6/17/75	G. A. Reed	Explosive Tube Plugging of Steam Generators
Letter	2/20/76	R. L. Kelly	Seal Welding of Steam Generator Explosive Tube Plugs
Letter	2/27/76	T. J. Rodgers	Explosive Tube Plugging of Steam Generators
Letter	5/13/76	R. L. Kelly	Explosive Plugging of Steam Generator Tubes
Letter	5/24/76	T. J. Rodgers	Explosive Tube Plugging of Steam Generators
Letter	9/29/76	G. A. Reed	Explosive Tube Plugging of Steam Generators
Letter	10/20/76	G. A. Reed	Leaking Tube Plugs
Letter	12/8/76	T. R. Wilson	Evaluation of Tube Plugging Remnants
Letter	7/6/77	T. J. Rodgers	Explosive Plug Failures
Memorandum	7/18/77	G. A. Reed	Steam Generator Tube Plugging
Memorandum	8/9/77	F. A. Flentje	Leaking Steam Generator Tube Plugs
Memorandum	8/16/77	G. A. Reed	10 CFR 21, Reportability of Failed Steam Generator Plugs
Letter	8/29/77	R. L. Kelly	Leaking Steam Generator Explosive Tube Plugs
Memorandum	10/14/77	F. Zeman	Steam Generator Leak Test Results
Letter	10/15/77	S. Burstein	Tube Plugging at Point Beach Nuclear Plant

<u>TYPE</u>	<u>DATE</u>	<u>SIGNER</u>	<u>SUBJECT MATTER</u>
Letter	10/24/77	G. A. Reed	Unit 1 Refueling Outage No. 5 Steam Generator Tube Plugging
Memorandum	10/29/77	G. A. Reed	Testing and Repair of Steam Generators
Letter	11/1/77	G. A. Reed	Explosive Plugging
Letter	11/1/77	D. B. Ralsten	Tube Plugging at Point Beach Nuclear Plant
Letter	11/2/77	T. J. Rodgers	Steam Generator Weld Repairs
Memorandum	11/4/77	T. J. Rodgers	History of Defective Plugs
Letter	8/18/78	S. Burstein	Defective Explosive Plugs
Letter	9/29/78	R. L. Kelly	Steam Generator Tube Plugs
Letter	10/20/78	T. J. Rodgers	Steam Generator Tube and Explosive Plug Repairs
Letter	3/19/79	G. A. Reed	Unit 1 Steam Generator Tube Plugging Outage
Letter	4/18/79	C. J. Olson	Unit 1 Steam Generator Tube and Plug Leakage Verification
Letter	11/9/79	G. A. Reed	Use of Explosive Plugs Update
Memorandum	1/22/80	C. J. Olson	Unit 1 Refueling 7 Outage Steam Generator Inspection
Letter	4/29/80	C. W. Fay	Explosive Plugging
Memorandum	5/7/80	C. J. Olson	Unit 2 Refueling 6 Outage Steam Generator Work
Letter	8/5/80	E. G. Case	Results of Unit 1 Steam Generator Inspection
Memorandum	4/21/81	J. Schweitzer	"A" Steam Generator Leaking Plug

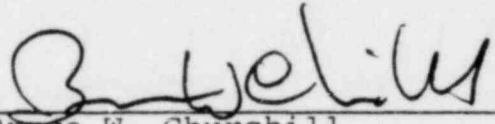
<u>TYPE</u>	<u>DATE</u>	<u>SIGNER</u>	<u>SUBJECT MATTER</u>
Memorandum	7/10/81	J. Schweitzer	Results of Primary-Secondary Leak Test
Memorandum	9/11/81	Schweitzer	Demonstration Sleeving Candidates
Attachment to Licensee Event Report	7/16/81	S. Burstein	Degraded Steam Generator Tubes
Attachment to Licensee Event Report	11/13/81	C. W. Fay	Degraded Steam Generator Tubes
Report	11/24-12/11/75	T. E. Bowman	W Field Service Report (FSR): MRS 4.4, WEP-7
Report	10/3-10/26/76	T. E. Bowman	FSR: MRS 4.4 WEP-9
Report	6/24-6/30/77	V. W. Douth	FSR: MRS 4.4 WEP-10
Report	10/12-10/26/77	V. W. Douth	FSR: MRS 4.4 WEP-11
Report	3/13-3/18/79	V. W. Douth	FSR: MRS 4.4 WEP-15
Report	10/6-11/10/79	V. W. Douth	FSR: MRS 4.4 WEP-17
Report	12/12-12/22/79	V. W. Douth	FSR: MRS 4.4 WEP-18
Report	3/10-4/4/80	T. E. Dunn	FSR: MRS 4.4 WEP-19
Report	7/27-8/8/80	T. E. Dunn	FSR: MRS 4.4 WEP-20
Report	12/1-12/19/80	T. E. Dunn	FSR: MRS 4.4 WEP-21
Report	4/17-5/10/81	T. E. Dunn	FSR: MRS 4.4 WIS13
Report	10/16-10/31/81	D. T. Christiansen	FSR: MRS 4.4 WEP-23

All References in Response to Interrogatory 15.

Respectfully submitted,

SHAW, PITTMAN, POTTS & TROWBRIDGE

By



Bruce W. Churchill
Delissa A. Ridgway
Counsel for Licensee

1800 M Street, N.W.
Washington, D.C. 20036
(202) 822-1000

Dated: April 30, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
WISCONSIN ELECTRIC POWER COMPANY	)	Docket Nos. 50-266
	)	50-301
(Point Beach Nuclear Plant	)	(OL Amendment)
Units 1 and 2))	

AFFIDAVIT OF DAVID K. PORTER

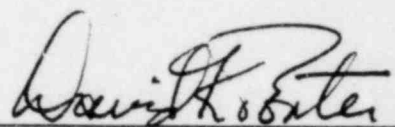
County of Milwaukee)	
	:	ss
State of Wisconsin)	

DAVID K. PORTER, being duly sworn according to law, deposes and says:

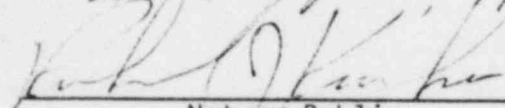
1. I am Manager of the Nuclear Engineering Section of the Nuclear Power Department of Wisconsin Electric Power Company. I graduated from the University of Illinois with a bachelor of science degree in electrical engineering in 1965. I then spent four years in the U.S. Navy's Nuclear Power Program which included one year in training and three years of reactor operator experience as an engineering officer aboard a nuclear-powered cruiser. I joined the Nuclear Projects Office of Wisconsin Electric in 1969 and have been involved in various engineering assignments relating to the Point Beach Nuclear Plant and preconstruction nuclear projects since that time. As Manager of the Nuclear Engineering Section, I am responsible for providing technical, licensing, and engineering support to the Point Beach Nuclear Plant. These responsibilities include the technical review of plant equipment and repair specifications, and implementation of U. S. Nuclear Regulatory Commission ("NRC") licensing actions involving Wisconsin Electric's operating nuclear facilities. I am personally familiar with Wisconsin

Electric's activities concerning inspection and repair of the Point Beach Nuclear Plant steam generators and our application before the NRC with respect to these activities.

2. I have prepared or participated in the preparation of "Licensee's Responses to Decade's First Interrogatories and Request for Production of Documents on the Full-Scale Sleeving Program, Interrogatories 11, 15 and 16", dated April 30, 1982. The information contained in those responses is true and correct to the best of my knowledge and belief.


David K. Porter

Subscribed and sworn to before me
this 28th day of April, 1982


Notary Public

My commission Expires: is permanent

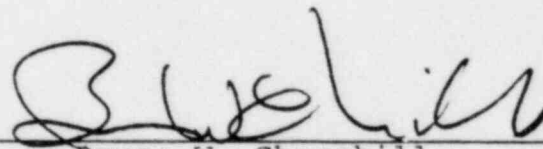
UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
WISCONSIN ELECTRIC POWER COMPANY	)	Docket Nos. 50-266
	)	50-301
(Point Beach Nuclear Plant,	)	(OL Amendment)
Units 1 and 2))	

CERTIFICATE OF SERVICE

This is to certify that copies of "Licensee's Supplemental Responses to Decade's First Interrogatories and Request for Production of Documents on the Full-Scale Sleeving Program" and "Licensee's Response to Decade's First Interrogatories and Request for Production of Documents on the Full-Scale Sleeving Program, Interrogatories 11, 15 and 16," are being served to all those on the attached Service List by deposit in the U.S. Mail, first class, postage prepaid, this 30th day of April, 1982.



Bruce W. Churchill

Dated: April 30, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
WISCONSIN ELECTRIC POWER COMPANY	)	Docket Nos. 50-266
	)	50-301
(Point Beach Nuclear Plant,	)	(OL Amendment)
Units 1 and 2))	

SERVICE LIST

Peter B. Bloch, Chairman
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

Dr. Jerry R. Kline
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

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

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

Stuart A. Treby, Esq.
Office of the Executive
Legal Director
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Richard G. Bachmann, Esq.
Office of the Executive
Legal Director
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Kathleen M. Falk, Esq.
Wisconsin's Environmental Decade
114 North Carroll Street
Suite 208
Madison, Wisconsin 53703

Francis X. Davis, Esq.
Monroeville Nuclear Center
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, PA 15230

Barton Z. Cowan, Esq.
John R. Kenrick, Esq.
Eckert, Seamans, Cherin & Mellott
Forty-Second Floor
600 Grant Street
Pittsburgh, PA 15219