REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8705190235 DOC. DATE: 87/05/13 NOTARIZED: YES DOCKET #
FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
AUTH. NAME AUTHOR AFFILIATION
MANGAN, C. V. Niagara Mohawk Power Corp.
RECIP. NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Forwards info, per 870312 Generic Ltr 87-05, from BWR Mark I licensees re measures to identify &/or mitigate potential degradation of Mark I drywells. Affadavit encl.

DISTRIBUTION CODE: A025D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5+1
TITLE: OR Submittal: USI A-7 Mark I Containment

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD1-1 LA	1	0	PD1-1 PD	3	0
	BENEDICT, R	1	1			
INTERNAL:	ARM/DAF/LFMB	1	1	NRR/DEST/PSB	1	1
	NRR/PMAS/PMSB	1	1	OGC/HDS1	1	0
	REG FILE 01	1	1	RES DEPY GI	1	1
EXTERNAL:	LPDR	1	1	NRC PDR	1	1
	NSIC	1	1			

TOTAL NUMBER OF COPIES REQUIRED: LTTR 14 ENCL 9

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/301 PLAINFIELD ROAD, SYRACUSE, N.Y. 13212/TELEPHONE (315) 474-1511

May 13, 1987
(NMP1L 0152)

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Gentlemen:

Your Generic Letter 87-05, dated March 12, 1987, requested information from Boiling Water Reactor Mark I Licensees regarding measures to identify and/or mitigate potential degradation of Mark I drywells. The attachment to this letter provides the information requested in Generic Letter 87-05.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

C. V. Mangan
Senior Vice President

PEF/pns
3085G
Attachment

xc: Regional Administrator, Region I
Mr. R. A. Capra, Director
Mr. W. A. Cook, Resident Inspector

A025
1/1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of	]	
	]	
Niagara Mohawk Power Corporation	]	Docket No. 50-220
	]	
(Nine Mile Point Unit 1)	]	

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Senior Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C V Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 13th day of May, 1987.

Mary Frateschi
Notary Public in and for
Onondaga County, New York

My Commission expires:

MARY FRATESCHI
Notary Public in the State of New York
Qualified in Onondaga County No. 4797550
My Commission Expires June 30, 1989

ATTACHMENT

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT UNIT 1
DOCKET NO. 50-220
LICENSE NO. DPR-63

Response to Generic Letter No. 87-05

Information Requested

Pursuant to the provisions of 10CFR50.54(f), licensees are requested to provide the following information under oath or affirmation to the Office of Nuclear Reactor Regulation:

All Mark I Owners

1) Provide a discussion of your current programs and any future plans for determining if the drain lines that were provided at your facility for removing any leakage that may result from refueling or from spillage of water into the gap between the drywell and the surrounding concrete or from the sand cushion itself are unplugged and functioning as designed.

2) Provide a discussion of preventative maintenance and inspection activities that are currently performed or are planned to minimize the possibility of leakage from the refueling cavity past the various seals and gaskets that might be present.

3) Confirm the information listed in Table 1 is correct with regard to your facility.

Mark I Owners Whose Designs Are Such That The Sand Cushion Is Open To Gap Between The Drywell Shell And Surrounding Concrete

Provide any plans for performing ultrasonic thickness measurements of the drywell shell plates adjacent to the sand cushion or any other proposed actions to ascertain if plate degradation had occurred. Since the degradation that has occurred at Oyster Creek is localized, sufficient details should be included to show that the sampling basis for ultrasonic thickness measurements is adequate in terms of size and test location.

Response

1) Visual examination of the drain lines in the sand cushion area will be performed using remote video equipment during the next refueling outage scheduled to begin in March 1988.

2) The reactor head cavity drainage details for Nine Mile Point Unit 1 are shown in Figure C-18410-C, attached. As shown in Detail "B" of the Figure, the drain line for the reactor head cavity seal is a welded connection. In addition, if any leakage were to occur from the reactor head cavity seal, it would be collected in the area below the seal. This area is sloped away from the gap between the drywell shell and concrete, and leakage would enter the drains provided for seal leakage. This drain line also has a flow switch to detect leakage.

To assure that the seal bypass leakage drain is properly functioning, a visual inspection of the drain line will be made using remote video equipment during the Spring 1988 refueling outage. In addition, drain line flow switch FS 89-01 will be checked for proper operation.

3) The information contained in the Table attached to your Generic Letter 87-05 has been reviewed for accuracy. Table 1 attached to this letter contains the corrected information.

Due to the welded construction of the Nine Mile Point Unit 1 reactor head cavity seal drain connection (compared to Oyster Creek's gasketed connection), leakage by the reactor head cavity seal is less likely to occur. If leakage past the reactor head cavity seal were to occur, it would be collected in the reactor head cavity seal leakage drain system. The reactor head cavity seal leakage drain is designed with a slope to prevent seal leakage from entering the gap between the drywell shell and the concrete. Therefore, since the potential for water entering the gap between the drywell shell and concrete is minimal, Niagara Mohawk has no current plans to perform inspections to ascertain if plate degradation has occurred. After the initial inspections described in items 1 and 2 above are performed, Niagara Mohawk will re-evaluate its position regarding the performance of additional inspections.

TABLE 1

NINE MILE POINT UNIT 1 MARK 1 CONTAINMENT INFORMATION

Plant Name (A/E)	Is Sand Gap Detail Dwg. Available?	Is Wall Thickness UT Performed?	UT Method/ Results Sent to NRC	Gap Material	Was the Gap Material Removed?	Comments
NMP1 (utility)	Yes	No	No	--	Yes	Gap is sealed at top by refueling floor and drained. There is a drain line to the top of the sand cushion. The sand cushion is not sealed from the gap.