REGULATOR[redacted]INFORMATION DISTRIBUTION [redacted]STEM (RIDS)

ACCESSION NBR:8410100211 DOC.DATE: 84/10/03 NOTARIZED: YES DOCKET #
FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
AUTH.NAME AUTHOR AFFILIATION
LEMPGES,T.E. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Forwards addl info on handling of heavy loads, per J Singh request during NRC 840827-28 site visit. Encl info will be included in next FSAR amend. Affidavit encl.

DISTRIBUTION CODE: B001D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 3
TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:PNL 1cy FSAR'S & AMDTS ONLY. 05000410

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR/DL/ADL		1	0	NRR LB2 BC		1	0
	NRR LB2 LA		1	0	HAUGHEY,M	01	1	1
INTERNAL:	ADM/LFMB		1	0	ELD/HDS3		1	0
	IE FILE		1	1	IE/DEPER/EPB	36	3	3
	IE/DEPER/IRB	35	1	1	IE/DQASIP/QAB	21	1	1
	NRR/DE/AEAB		1	0	NRR/DE/CEB	11	1	1
	NRR/DE/EHEB		1	1	NRR/DE/EQB	13	2	2
	NRR/DE/GB	28	2	2	NRR/DE/MEB	18	1	1
	NRR/DE/MTEB	17	1	1	NRR/DE/SAB	24	1	1
	NRR/DE/SGEB	25	1	1	NRR/DHFS/HFEB	40	1	1
	NRR/DHFS/LQB	32	1	1	NRR/DHFS/PSRB		1	1
	NRR/DL/SSPB		1	0	NRR/DSI/AEB	26	1	1
	NRR/DSI/ASB		1	1	NRR/DSI/CPB	10	1	1
	NRR/DSI/CSB	09	1	1	NRR/DSI/ICSB	16	1	1
	NRR/DSI/METB	12	1	1	NRR/DSI/PSB	19	1	1
	NRR/DSI/RAB	22	1	1	NRR/DSI/RSB	23	1	1
	REG FILE	04	1	1	RGN1		3	3
	RM/DDAMI/MIB		1	0				
EXTERNAL:	ACRS	41	6	6	BNL(AMDTS ONLY)		1	1
	DMB/DSS (AMDTS)		1	1	FEMA-REP DIV	39	1	1
	LPDR	03	1	1	NRC PDR	02	1	1
	NSIC	05	1	1	NTIS		1	1
NOTES:			1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 55 ENCL 47

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

October 3, 1984
(NMP2L 0183)

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Schwencer:

Re: Nine Mile Point Unit 2
Docket No. 50-410

Enclosed is additional information requested by Mr. J. Singh on the handling of heavy loads for Nine Mile Point Unit 2.

This information was requested during the August 27-28, 1984 Nuclear Regulatory Commission site visit.

The enclosed information will be included in the next Final Safety Analysis Report Amendment.

Very truly yours,

T. E. Lempges
Vice President
Nuclear Generation

TEL/DS:ja
Enclosure

B001
1/1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
Niagara Mohawk Power Corporation	)	Docket No. 50-410
	)	
(Nine Mile Point Unit 2)	)	

AFFIDAVIT

T. E. Lempges, being duly sworn, states that he is 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.

T E Lempges

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 3 day of October, 1984.

Janis M Macro
Notary Public in and for
Onondaga County, New York

My Commission expires:

JANIS M. MACRO
Notary Public in the State of New York
Qualified in Onondaga County No. 4784555
My Commission Expires March 30, 1985

REQUEST FOR ADDITIONAL INFORMATION
NINE MILE POINT UNIT 2

410.52

Section 9.1.5 - As a result of recently identified ACRS concerns, provide a response to the following request for information regarding the handling of heavy loads:

a. Describe the means provided to assure the integrity of the concrete shield plugs lifting eye and any other heavy loads so that they will not fall apart while being handled during refueling should the lifting eye fail or the plug impact other structures.

b. Alternatively, describe the consequences of failure of the concrete shield plug or other heavy loads during handling. This evaluation should confirm that unacceptable fuel damage or damage to safety related equipment will not occur.

Response

A dual-load-path hoisting system is used for handling all heavy loads. This system includes primary and redundant crane hooks, strong backs, slings and lifting lugs on the load. Each part of the hoisting system has been designed to support a load of at least three times the weight of the item being handled without permanent deformation. In addition, the special lifting device (strong backs and slings) has been static load tested to 150% of rated load, and the lifting lugs on the concrete shield plugs and fuel transfer bridge have been static load tested to 125% of rated load.

The integrity of the concrete shield plugs, lifting lugs and lifting assemblies is assured by the integral design of the plug liners, lifting structures, rebar and concrete. The concrete is completely encased in a reinforced carbon steel liner to which the lifting lugs are welded.

The concrete rebar are welded to the lifting lugs by cadweld sleeves. This design and the aforementioned design requirements of the plug eliminates any possibility of the plug falling apart should the lifting lug fail or the plug impact other structures.