REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8501100349 DOC.DATE: 85/01/08 NOTARIZED: YES DOCKET #
FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
AUTH.NAME AUTHOR AFFILIATION
MANGAN,C.V. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Forwards changes to re turbine lubrication & control oil storage & use areas & diesel generator areas.Info will be incorporated into Amend 17 to FSAR.

DISTRIBUTION CODE: B001D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4
TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:

	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:	ACRS	41	6	6	ADM/LFMB		1	0
	ELD/HDS3		1	0	IE FILE		1	1
	IE/DEPER/EPB	36	1	1	IE/DQASIP/QAB	21	1	1
	NRR ROE,M.L		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:	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	PNL GRUEL,R		1	1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 53 ENCL 45

NIAGARA MOHAWK

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

January 8, 1985
(NMP2L 0319)

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 please find ten copies of changes to the Final Safety Analysis Report text which were reviewed with members of your staff on June 28 and 29, 1984.

This information will be included in Amendment 17 of the Final Safety Analysis Report.

Very truly yours,

C. V. Mangan
Vice President
Nuclear Engineering & Licensing

NLR:ja
Enclosure
xc: R. A. Gramm, NRC Resident Inspector
Project File (2)

8501100349 850108
PDR ADOCK 05000410
A PDR

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

C. V. Mangan, 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.

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 8th day of January, 1985.

Christine Austin
Notary Public in and for
Onondaga County, New York

My Commission expires:
CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4787637
My Commission Expires March 30, 1985

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4727207
My Commission Expires March 30, 19__

Early warning smoke detection is provided in all battery rooms. Manual water hose reels and portable extinguishers are located near all battery rooms.

9A.3.7.8 Turbine Lubrication and Control Oil Storage and Use Areas

All oil hazards connected with the turbine oil systems are located in the turbine building. There is no mechanical safety-related equipment located in the turbine building. Extensive fire suppression systems have been designed for the turbine oil hazards as discussed in the fire hazards analysis. Turbine oil does not pose a hazard to any safety-related system.

9A.3.7.9 Diesel Generator Areas

Diesel generators are separated from each other and from other areas of the plant by 3-hr walls. Automatic preaction sprinkler systems have been provided for all three diesels. Division I and II diesel generators have been modified to allow spraying water on them without harmful effects. The Division III (HPCS) diesel generator will be modified.

All three diesel generator rooms have smoke detection systems that alarm in the control room and manual CO_2 and water hose reels and portable extinguishers for backup. Drainage is provided for firefighting water. Day tanks contain less than 1,100 gal and are located in separate rooms with 3-hr walls. Curbs are provided to contain the entire contents of the tank in the event of a tank leak and postulated sprinkler discharge. Room ventilation and automatic sprinkler protection have been provided.

The combustion air for each diesel generator comes through a separate air intake which is located at the south end of the diesel generator building. The exhaust air outlets for the diesel generator building ventilation systems are located on the roof at the north end of the diesel generator building, approximately 80 ft away.

Each diesel generator room is provided with three hour rated fire dampers in the ventilation systems. If a fire occurs in a diesel generator room it would be isolated from the other diesel generator rooms by the fire dampers and three hour fire walls. This would prevent a fire in one diesel generator from effecting the other diesel generators.

No credible fire and single failure of the fire protection system in the diesel generator building can degrade or destroy more than one combustion air intake.

9A.3.7.10 Diesel Fuel Oil Storage Tanks

Diesel fuel oil storage tanks are buried. They are approximately 60 ft long and 12 ft in diameter. Half of each tank extends under the diesel generator building. The

treatment routine is used with a fresh tank. Overtreatment will not adversely affect the storage, flow, or burning properties of the fuel oil. NUCHEM FC-101 contains various multipurpose agents. Its preservative additive prevents formation and settling out of organic sludge and, also, acts as a rust preventive agent protecting the storage tanks in the water bottom layer as well as in the air layer above the diesel fuel oil. NUCHEM FC-101 contains metal deactivators and metal suppressing agents which retard oxidation and polymerization of the fuel which can result because trace amounts of copper may be present in the fuel. A water absorptive agent in NUCHEM FC-101 keeps trace amounts of water dispersed in the diesel fuel oil and prevents burner flameout. NUCHEM FC-101 contains a bactericide agent which prevents bacteria and slime formation and destroys any existing organisms. NUCHEM FC-101, with its rigidly formulated multipurpose agents, ensures the startup of the standby diesel generators. Bell System telephone companies, utilities, and both small and large consumers of No. 2 diesel fuel oil are recognized users of NUCHEM FC-101 and related NUCHEM fuel conditioners. The external surfaces of the fuel oil storage tanks require no special coating but are free from oil, grease, loose rust, and loose paint. The tanks are buried in concrete below the diesel generator building.

The fill, vent, and sounding line connections at the storage tanks are also buried in concrete to prevent corrosion.Since galvanic reactions are unlikely to occur in such an environment, cathodic protection of the fuel oil storage tanks is not required. After the interior and exterior surfaces are cleaned, tested, and dried, they are inspected in accordance with Subsection 3.1 of ANSI N45.2.1. The fill of each tank extends below the diesel generator mat beyond the exterior wall line, thereby positioning the tank fill line, sounding line, and vent line outside the building. Each storage tank is filled from its own tank truck fill station located in the yard. The storage tanks are constructed with baffles, 10 reinforcement stiffeners, 4 reinforcement rings, and 15-degree off-center drains to minimize turbulence within the tanks during filling. The 4-in. fill lines for the three divisional fuel oil storage tanks are located 51 ft 3 in. and 55 ft 3 in. from the first and second pump suctions, respectively. Seven 3/4 in. x 8 in. stiffener rings are evenly spaced between the fill line and the first pump suction in