REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8510210056 DOC.DATE: 85/10/11 NOTARIZED: NO 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
BUTLER,W. Licensing Branch 2

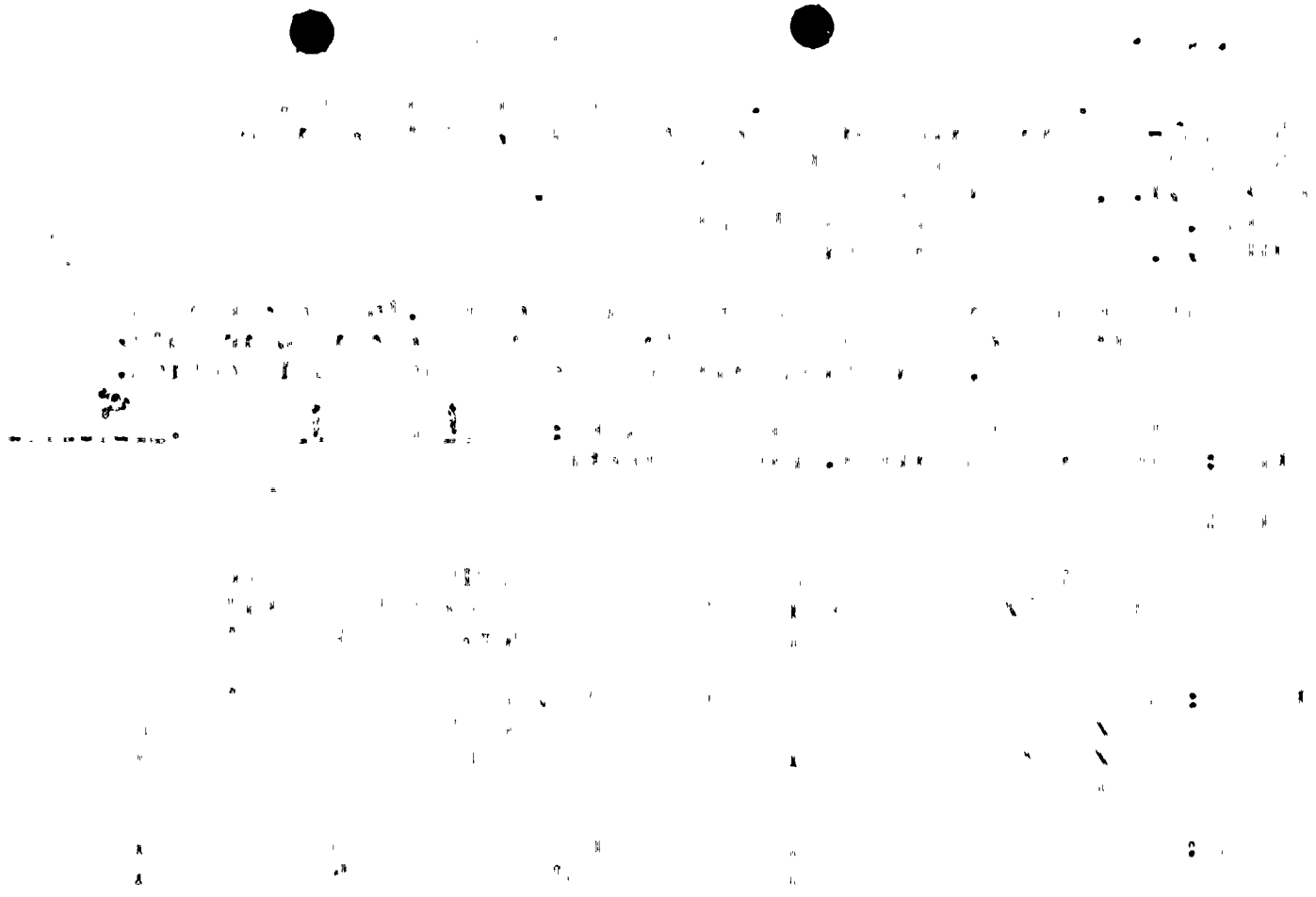
SUBJECT: Forwards info re fire protection program. Info reconciles differences in fire protection program described in FSAR, SRP & SER. Activities will be discussed in 851021 meeting.

DISTRIBUTION CODE: B002D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 5
TITLE: Licensing Submittal: Fire Protection

NOTES:

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR LB2 BC		1	1	HAUGHEY,M	01	1	1
INTERNAL:	ACRS	10	6	6	ADM/LFMB		1	0
	ELD/HDS3		1	0	NRR/DE/GEB	06	2	2
	NRR/DSI/ASB		1	1	REG FILE	04	1	1
	RGN1		1	1				
EXTERNAL:	24X		1	1	LPDR	03	1	1
	NRC PDR	02	1	1	NSIC	05	1	1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 19 ENCL 17



NIAGARA MOHAWK

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

October 11, 1985
(NMP2L 0512)

Dr. Walter Butler, Chief
Licensing Branch No. 2
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Dr. Butler:

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

Enclosure 1 provides information relating to the Nine Mile Point Unit 2 Fire Protection Program. Specifically, this information reconciles differences in the Fire Protection Program described in the Final Safety Analysis Report, the Standard Review Plan and Safety Evaluation Report. The information identifies the current status of project resolution.

Formal compliance and verification is in process, and a final fire protection walkdown is being performed. We will advise the Fire Protection Audit members of any additional items at the beginning of the audit.

Niagara Mohawk will be prepared to discuss these activities during the Fire Protection audit currently planned for October 21, 1985.

Very truly yours,

T. E. Lempges
Vice President
Nuclear Generation

TEL/NLR:rla
Enclosure
0985G
xc: R. Starostecki
A. Kronspalos
R. A. Gramm, NRC Resident Inspector
Project File (2)

B002
1/1

ENCLOSURE 1

Document Section	Enclosure 1*	Disposition*
SER Section 9:5:1:4(5); Paragraph 1	Automatic sprinkler systems have been installed in heavily cabled areas, i.e., areas containing six or more cable trays.	A
Clarification: FSAR 9A.3.5.5.3	Complete cable tray protection has not been provided for cable trays in the entire fire area. The Nine Mile 2 design criteria established safety related tray protection in stacks five or more deep. Isolated trays may exist in these areas without sprinkler protection.	
SER Section 9:5:1:5(2); Paragaraph 5	Yard hydrants are provided at intervals of 250 feet . . .	A
Clarification:	Yard fire hydrants have been provided at approximately 250 feet apart.	
SER Section 9:5:1:5(4); Paragaraph 1	The systems are activated by cross zoned smoke and heat detectors that . . .	A
Clarification:	Cross zoned smoke detectors are used in total flooding applications for carbon dioxide systems.	
SER Section 9:5:1:5(5); Paragraph 1	The systems are designed to provide an initial concentration of 6-7% by volume of Halon 1301 within ten seconds of initiation and to sustain a 20% concentration of Halon 1301 for 20 minutes. The Halon 1301 suppression systems are to be manually initiated by the operator upon receipt of fire alarms from either the ionization smoke detectors or rate of rise thermal detectors installed in the PGCC floor sections."	A
Clarification:	The subfloor system will maintain a minimum 6% concentration for ten minutes with automatic initiation.	
SER Section 9:5:1:6(1), Paragraph 1	Containment and reactor building fire protection features include automatic sprinklers, hose stations, ionization smoke detectors, and fire extinguishers.	A
Clarification:	Inerted primary containment fire protection features include hose stations and fire extinguishers.	

Document Section	Enclosure 1	Disposition*
SER Section 9:5:1:6(1); Paragraph 2	Fire detection and a manual deluge system are provided for the pumps. (Reactor Recirculation Pumps)	A
Clarification:	The detection and deluge systems have been removed; the primary containment is inerted during normal operation.	
NUREG 0800 C-5e(2)	Opening through fire barriers are required to have seals (at the fire barrier for conduit larger than 4" and sealed at ends for conduits 4" or less).	A
Clarification:	Justification will be provided for any deviations to the criteria, to substantiate the design method.	A
NUREG 0800 C-6a(4)	Local audible alarms should sound in the fire area.	A
Clarification:	Local audible alarms are provided at the local fire alarm control panel, which is located in the vicinity of the protected area. Station alarm provides notification to all plant areas.	
FSAR Section 9A:3:1:2:5:4	Manual water spray systems are also provided for these hazards . . .	A
Clarification:	In reference to the lube oil piping below the turbine deck, protection is provided by the foam water system. Backup water spray protection provides above operating deck only for these hazards.	
FSAR Section 9A:3:1:2:5:5	The deluge valves for these systems open automatically on a signal from flame detectors and heat detectors . . .	A
Clarification:	The preaction valving arrangement is actuated by smoke detectors (photoelectric).	
FSAR Section 9A:3:1:2:5:6	The electric-driven fire pump and diesel engine driven fire pump . . .	A
Clarification:	These pumps are not safety related.	

Document Section	Enclosure 1	Disposition*
FSAR Section 9A.3.1.2.5.10	A fire retardent coating is provided for cable trays in the vicinity of unprotected openings.	A
Clarification:	The FSAR will be modified to delete this criteria.	
FSAR Section 9A.3.3	All members shall have knowledge in safety related systems.	A
Clarification:	Delete this requirement, since it is covered in paragraph 4 of 9A.3.3.	
FSAR Section 9.5.1.2.10	Halon 1301 discharge is actuated either automatically by thermal and smoke detection or manually. . . .	A
Clarification:	The main control room PGCC system is automatic. The radwaste control room and main computer room is actuated automatically by cross zoned smoke detection.	
FSAR Table 9B.8-1 Page 66 of 75	2 HUR*UC 413B is not shown on the table.	A
Clarification:	Add 2 HUR*UC 413B to the table and Note 1.	
FSAR Section 9.5.1.2.2	Fire pumps can be stopped from the control room.	A
Clarification:	Fire pumps cannot be stopped from the control room.	

Document	Section	Description	Disposition*
SER	9.5.1.5(3) Para. 2	Manual hose stations are located throughout the plant in accordance with NFPA 14. (100 feet of hose maximum)	B
Clarification:		Several locations within nonsafety related structures (i.e. turbine building) do not comply with NFPA 14. In addition, one area in the 35 degree electrical tunnel at elevation 224 does not meet the subject requirement (safety related area). The safety related tunnel will be provided with an extra 50 feet (150 total) of hose in the tunnel.	
SER.	9.5.1.6(6) Para. 4	Diesel Generator Day Tank Room ventilation and automatic sprinkler protection have been provided.	B
Clarification:		Sprinkler protection has been provided for the day tank room; however, automatic actuation is not currently provided. Automatic actuation will be provided.	
NUREG 0800	C-6b(2)	Sectionalizing valves should be located to preclude isolation of both primary and backup protection for safety related areas.	C
Clarification:		Fire main between valves V140, V141 and V142 isolates the primary and backup suppression systems for the diesel generator building.	

*NOTE:

Disposition A: Niagara Mohawk requests an SER change.

Disposition B: Niagara Mohawk will modify the design to comply with the requirement.

Disposition C: Niagara Mohawk is evaluating the issue.