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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
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 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.

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by proper documentation and that the books should be kept up to date at all times. The second part of the document provides a detailed explanation of the accounting cycle, which consists of eight steps: identifying the accounting cycle, journalizing, posting, determining debits and credits, preparing a trial balance, adjusting entries, preparing financial statements, and closing the books. The third part of the document discusses the importance of internal controls and the role of the auditor in ensuring the accuracy and reliability of the financial statements.

The fourth part of the document provides a detailed explanation of the accounting cycle, which consists of eight steps: identifying the accounting cycle, journalizing, posting, determining debits and credits, preparing a trial balance, adjusting entries, preparing financial statements, and closing the books. The fifth part of the document discusses the importance of internal controls and the role of the auditor in ensuring the accuracy and reliability of the financial statements. The sixth part of the document provides a detailed explanation of the accounting cycle, which consists of eight steps: identifying the accounting cycle, journalizing, posting, determining debits and credits, preparing a trial balance, adjusting entries, preparing financial statements, and closing the books.

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.

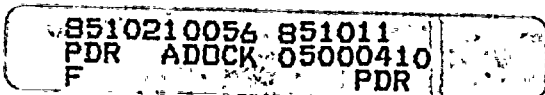
Very truly yours,



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)



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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5708 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

PHYSICAL CHEMISTRY

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The laboratory is divided into two main sections: thermodynamics and kinetics. The thermodynamics section covers the measurement of heat capacities, enthalpies of formation, and the determination of equilibrium constants. The kinetics section covers the measurement of reaction rates and the determination of activation energies.

The laboratory is conducted in a modern, well-equipped facility. The equipment is maintained in excellent condition, and the staff is experienced and knowledgeable. The laboratory is open to students during regular business hours.

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ENCLOSURE 1

<u>Document Section</u>	<u>Enclosure 1*</u>	<u>Disposition*</u>
<u>SER Section 9:5:1:4(5); Paragraph 1</u>	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.	
<u>SER Section 9:5:1:5(2); Paragaraph 5</u>	Yard hydrants are provided at intervals of 250 feet . . .	A
Clarification:	Yard fire hydrants have been provided at approximately 250 feet apart.	
<u>SER Section 9:5:1:5(4); Paragaraph 1</u>	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.	
<u>SER Section 9:5:1:5(5); Paragaraph 1</u>	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.	
<u>SER Section 9:5:1:6(1), Paragaraph 1</u>	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.	

<u>Document Section</u>	<u>Enclosure 1</u>	<u>Disposition*</u>
SER <u>Section 9.5.1.6(1); Paragraph 2</u>	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 <u>Section 9A.3.1.2.5.4</u>	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 <u>Section 9A.3.1.2.5.5</u>	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 <u>Section 9A.3.1.2.5.6</u>	The electric-driven fire pump and diesel engine driven fire pump . . .	A
Clarification:	These pumps are not safety related.	



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<u>Document Section</u>	<u>Enclosure 1</u>	<u>Disposition*</u>
FSAR <u>Section 9A:3:1:2:5:10</u>	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 <u>Section 9A:3:3</u>	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 <u>Section 9:5:1:2:10</u>	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 <u>Table 9B:8-1</u> Page <u>66 of 75</u>	2 HUR*UC 413B is not shown on the table.	A
Clarification:	Add 2 HUR*UC 413B to the table and Note 1.	
FSAR <u>Section 9:5:1:2:2</u>	Fire pumps can be stopped from the control room.	A
Clarification:	Fire pumps cannot be stopped from the control room.	



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<u>Document</u>	<u>Section</u>	<u>Description</u>	<u>Disposition*</u>
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.

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