

50-220

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:
MR K R GOLLER

FROM: NIAGARA MOHAWK POWER CORP
SYRACUSE, NY
G K RHODE

DATE OF DOCUMENT
6-2-76

DATE RECEIVED
6-4-76

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DESCRIPTION
LTR RE OUR 5-6-76 LTR TRANS THE FOLLOWING.....

ENCLOSURE
RESPONSES TO APRIL 6, 1976 NRC QUESTIONS.....

DO NOT REMOVE

ACKNOWLEDGED

PLANT NAME: Nine MILE Point # 1

1 Pp
4 Encl

SAFETY

FOR ACTION/INFORMATION

ENVIRO 6-9-76 RK

ASSIGNED AD:		ASSIGNED AD:
BRANCH CHIEF: (6) LEAR		BRANCH CHIEF:
PROJECT MANAGER:		PROJECT MANAGER:
LIC. ASST.: (17) PARRISH		LIC. ASST.:

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	ENVIRO TECH
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ERNST
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	BALLARD
<input checked="" type="checkbox"/> OELD		LAINAS	SPANGLER
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
MIPC	MCCARY		SITE TECH
CASE	KNIGHT	OPERATING REACTORS	GAMMILL
HANAUER	SIHWELL	STELLO	STEPP
HARLESS	PAWLICKI		HULMAN
		OPERATING TECH	
PROJECT MANAGEMENT	REACTOR SAFETY	EISENHUT	SITE ANALYSIS
BOYD	ROSS	SHAO	VOLLMER
P COLLINS	NOVAK	BAER	BUNCH
HOUSTON	ROSZTOCZY	SCHWENCER	J. COLLINS
PETERSON	CHECK	GRIMES	KREGER
MELTZ			
HELTEMES	AT & I	SITE SAFETY & ENVIRO	
SKOVHOLT	SADZMAN	ANALYSIS	
	RUTBERG	DENTON & MULLER	

EXTERNAL DISTRIBUTION

CONTROL NUMBER

<input checked="" type="checkbox"/> LPDR: OSWEGO, NY	NATL LAB	BROOKHAVEN NATL LAB	5623
<input checked="" type="checkbox"/> TIC	REG. V-TE	ULRIKSON (ORNL)	
<input checked="" type="checkbox"/> NSIC	LA PDR		
ASLB	CONSULTANTS		
ACRS 16 HOLDING (SENT)			



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NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N. Y. 13202

June 2, 1976

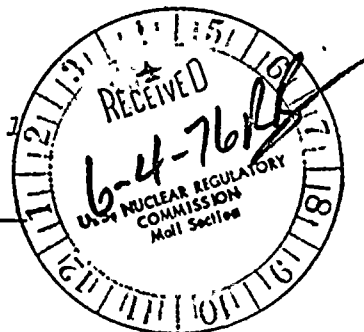
Regulatory

File 57



Director of Nuclear Reactor Regulation
Attn: Mr. Karl R. Goller, Assistant Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

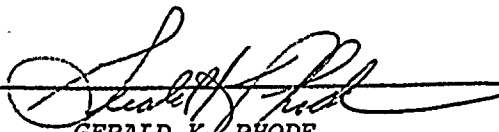


Dear Sir:

Your April 6, 1976 letter requested radioactive methyl iodide decontamination test information for the Emergency Ventilation System at Nine Mile Point Unit 1. The attached responses address the questions contained in that letter.

Sincerely,

NIAGARA MOHAWK POWER CORPORATION


GERALD K. RHODE
Vice President - Engineering

/sz

Attachment

5623



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

530 SOUTH EAST ASIAN AVENUE

CHICAGO, ILLINOIS 60607

PHYSICS 309

PHYSICS 309



RESPONSES TO APRIL 6, 1976 NRC QUESTIONS

NINE MILE POINT UNIT 1

DOCKET NO. 50-220

DPR-63

Request 1

The date the sample of charcoal was obtained, and the method under which it was obtained (eg, canister and grain thief).

Response 1

- a. 10/29/73 - Cartridge, Emergency Ventilation System
- b. 10/27/75 - Cartridge, Emergency Ventilation System

Request 2

The time interval the charcoal had been installed in the system, and the approximate number of hours the appropriate ESF system had been in operation with the tested charcoal.

Response 2

The samples were obtained by removal of cartridges installed at the time of the initial bed loading. The cartridges contained charcoal from that loading. Initial plant criticality was achieved 9/5/69.

a. Time interval:

- 10/29/73 sample: Approximately four calendar years
- 10/27/75 sample: Approximately six calendar years



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b. Approximate number of hours:

Prior to 10/29/73 sample:

10 hrs/year x 5 years* = 50 hours

Prior to 10/27/75 sample:

50 hrs (prior to 10/73 sample) + 10 hrs/yr x 2 yrs
(testing) + 20 hrs (purge prior to 1974 outage, est.)
+ 41 hrs (purge prior to 1975 outage, actual) =
131 hours.

*Includes initial plant startup time plus four
calendar years.

Request 3

The laboratory that performed the radioactive test.

Response 3

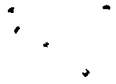
Nuclear Containment Systems, Inc.
P. O. Box 19827
Columbus, Ohio 43129
(614) 252-1420

Request 4

The test agent (ie, elemental iodine or methyl iodide).

Response 4

- a. 10/29/73 - Elemental iodine and methyl iodide
- b. 10/27/75 - Methyl iodide



1 2

Request 5

The test conditions (eg, temperature, relative humidity, inlet concentration and duration of test). Test results should indicate whether RDT M16-IT procedures were followed.

Response 5

The test conditions of RDT M16-IT, including temperature, relative humidity, inlet concentration and test duration, were followed using the following options:

- a. 10/29/73 sample: 25° C, ambient pressure, 70% relative humidity
- b. 10/27/75 sample: 190° F, one atmosphere, 95% relative humidity

Request 6

The removal efficiency obtained, and the experimental error (if known).

Response 6

- a. 10/29/73 Emergency Ventilation System Cartridge

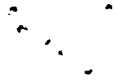
@ 1" depth 99.96% iodine removed
92.4% methyl iodide decontaminated

@ 2" depth 100.00% iodine removed
99.0% methyl iodide decontaminated

- b. 10/27/75 #11 Emergency Ventilation System Cartridge

@ 2" depth 97.82% methyl iodide decontaminated

The experimental error was not known.



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Request 7

Any unusual operation conditions or other information you may consider useful.

Response 7

None.

