

50-289

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr. R. W. Reid

FROM: Met Ed
Reading, Pa. 19603
J. G. HerbinDATE OF DOCUMENT
06-16-77DATE RECEIVED
06-21-77☒ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 SIGNED

DESCRIPTION

1 page

PLANT NAME: THREE MILE ISLAND

jcm 06-22-77

ENCLOSURE

Furnishing ltrs. forwarded to the Pennsylvania Dept. of Enviro. Resources and to the U. S. Enviro. Protection Agency, requesting that appropriate permits be amended to allow use of NALCO 41-L as a corrosion inhibitor in all closed cooling systems at TMI...

4 pages

[DO NOT REPLY]

SAFETY

FOR ACTION/INFORMATION

ENVIRONMENTAL

ASSIGNED AD:

ASSIGNED AD: V. MOORE (LTR)

BRANCH CHIEF:

BRANCH CHIEF:

PROJECT MANAGER:

PROJECT MANAGER:

LICENSING ASSISTANT:

LICENSING ASSISTANT:

B. HARLESS

INTERNAL DISTRIBUTION

REG. FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY & ENVIRON ANALYSIS
NRC PDR	HEINEMAN	TEDESCO	DENTON & MULLER
I & E (2)	SCHROEDER	BENAROYA	CRUTCHFIELD
OELD		LAINAS	
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAHER	KNIGHT	F. ROSA	ENVIRO TECH.
MIPC	BOSNAK		ERNST
CASE	SIHWELL	OPERATING REACTORS	BALLARD
BOYD	WELICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH.
SKOVHOLT	ROSS	BAER	
P. COLLINS	NOVAK	BUTLER	GAMMILL (2)
HOUSTON	ROSZTOCZY	GRIMES	
MELTZ	CHECK		SITE ANALYSIS
HEITEMES			VOLLMER
SK	AT&I		BUNCH
	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Harrisburg, Pa.
TIC
NAT LAB ANL
REG IV (J. HANCHETT)
CYS ACRS SENT CATEGORY B

NSIC

771730193

7911010773



METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

June 16, 1977
GQL 0833

Director of Nuclear Reactor Regulations
Attn: Mr. R. W. Reid
Operating Reactors Branch No. 4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

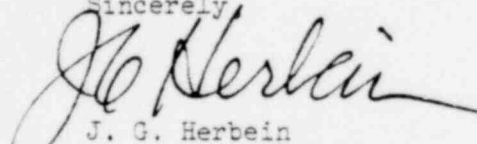
Three Mile Island Nuclear Station Unit 1 (TMI-1)
Operating License: DPR-50
Docket No. 50-289

In accordance with the TMI-1 Environmental Technical Specifications Section 5.6.2.4 (Item #2, concerning changes made in or proposed for permits and/or licenses), enclosed please find a copy of the letters which were forwarded to the Pennsylvania Department of Environmental Resources and to the U.S. Environmental Protection Agency. These letters request that the appropriate permits be amended to allow our use of NALCO 41-L as a corrosion inhibitor in all closed cooling systems at TMI.

As NALCO 41-L is proposed for use in closed systems and will be implemented only upon the approval of the appropriate regulating agencies, it is our estimation that the environmental impact, associated with the use of NALCO 41-L in the closed cooling systems at TMI, will be negligible. This determination is based on the fact that any leakage from these systems will be suitably treated prior to being discharged. In this way, EPA and DER effluent limitations will be met.

We trust this submittal to be satisfactory, however, should you have any further questions, please contact me.

Sincerely


J. G. Herbein
Vice President

JGH:RAL:kl

Enclosures: GQL 0708
GQL 0706

1564 317

771730193



METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

June 14, 1977
GQL 0708

Mr. Terry R. Fabian
Regional Water Quality Manager
Pennsylvania Dept. of Environmental Resources
1002 Health and Welfare Building
Harrisburg, Pa. 17120

Dear Sir:

Three Mile Island Nuclear Station (TMI)
Industrial Waste Permits #2276209 and #2270204

In our letters of December 22, 1976 (GQL 1648) and March 15, 1977 (GQL 0315) we requested that you amend the above-referenced permits to allow our use of NALCO 41-L as a corrosion inhibitor for the Secondary Services Closed Cooling System at TMI. In his letter of April 13, 1977, Mr. J.V. Donato of your office, approved our request, and in a telephone conversation on that same date, we informed Mr. Donato that we may, at some later date, wish to use NALCO 41-L as a corrosion inhibitor in the remaining Closed Cooling systems at TMI. Mr. Donato indicated that he could foresee little difficulty in granting such a request.

We have recently determined that it will be necessary to use a corrosion inhibitor in the remaining Closed Cooling Systems at TMI. These systems include the following:

- 1) Intermediate Closed Cooling System
- 2) Decay Heat Closed Cooling System A
- 3) Decay Heat Closed Cooling System B
- 4) Nuclear Services Closed Cooling System

It should be noted that these are all closed systems, thus the only NALCO 41-L with a possibility of being discharged to the river would be that which may leak from these systems. In any event, the leakage from these systems would be collected in the Heat Exchanger Vault Room Sump and treated prior to discharge. The treatment system used would be one of the following:

- 1) Radwaste Evaporators
- 2) Low-volume, Non-Radioactive, Industrial Waste Treatment System

We therefore request that the referenced Industrial Waste Permits be amended to allow our use of NALCO 41-L as a corrosion inhibitor in the Closed Cooling

1564 318

Mr. Terry R. Fabian

(2)

GQL 0708
June 14, 1977

Systems which are referenced above. It should be noted that we have already provided you with the necessary PIPP revision as well as the chemical make-up of NALCO 41-L (see the attachments to our letter of March 15, 1977 GQL 0315)

We trust this submittal to be satisfactory, however should you have any further questions, please contact me.

Sincerely,

ORIGINAL SIGNED BY

L. L. LAWYER

L.L. Lawyer

LLL:RAL:jmr

cc: Mr. R.H. Shertzner PaDER
Mr. J.V. Donato

File: 02.0016.0003.0050.02
63.0050.0021.0007

bcc: B.J. Beck
C.W. Smyth
W.E. Potts
M.R. Buring
J.P. O'Hanlon
Ed Fuhrer
J.G. Reed
G.P. Miller
R.W. Dubiel
K.L. Hafner
E. Schowalter

TMI

Bob Allen
Rich Bosold

GPU RD6

1564 319

METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215-523-2601

June 13, 1977
CQL 0706

Mr. Bruce Smith
Enforcement Division
U. S. Environmental Protection Agency
Region III
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

POOR ORIGINAL

Dear Sir:

Three Mile Island Nuclear Station (TMI)
NPDES Permit # PA 0009920

In our letters of December 22, 1976 (CQL 1747) and March 15, 1977 (CQL 0316), we requested that you amend the above-referenced permit to allow the use of NALCO 41-L as a corrosion inhibitor for the Secondary Services Closed Cooling Systems at TMI. In a telephone conversation on April 26, 1977 you indicated that NPDES Permit # PA 0009920 would be amended to allow the use of NALCO 41-L as a corrosion inhibitor. You also informed us that the permit amendment could take the form of a clause which would allow us to use corrosion inhibitors in the future for various systems, without requiring additional permit amendments. We would, however, be required to obtain EPA approval for the use of said corrosion inhibitors. This was verified in a telephone conversation which you had with R. A. Lengel, of my staff on May 23, 1977.

At this time, we request EPA approval for the use of NALCO, 41-L as a corrosion inhibitor in the remaining Closed Cooling Systems at TMI. These systems include:

- 1) Intermediate Closed Cooling System
- 2) Decay Heat Closed Cooling System A
- 3) Decay Heat Closed Cooling System B
- 4) Nuclear Services Closed Cooling System

1564 320

Mr. Bruce Smith
Enforcement Division
U. S. Environmental Protection Agency

June 13 1977
OOL 0706

- 2 -

It should be noted that there are all closed systems, thus the only HALCO 41-L with a possibility of being discharged would be that which may leak from these systems. The combined leakage from all four of these systems is conservatively estimated to be 50 gallons per day. This leakage is collected in the Heat Exchanger Vault Room Sump. It will then be treated by either the Radwaste Evaporators, or by the Industrial Waste Treatment System which is currently under construction.

We trust this submittal to be satisfactory, however, should you have any additional questions, please contact me.

Sincerely,

ORIGINAL SIGNED BY
L. L. LAWYER
L. L. Lawyer
Manager - Generation
Operations

LLJ:RAL:rk

cc: Mr. M. Zechler

POOR ORIGINAL

1564 321

bcc: B. J. Beck
C. W. Smyth
W. E. Potts
H. R. Buring
J. P. O'Hanlon
E. C. Fuhrer
J. G. Reed
G. P. Miller
R. W. Dubiel
K. L. Harner
E. Schowalter
B. Allen (GPU)
R. Bosold (GPU)