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 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C.V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 VASSALLO, D.B. Operating Reactors Branch 2

SUBJECT: Forwards application for amend to License DPR-63, changing
 Tech Specs re limiting conditions for operation &
 surveillance requirements for RCS leakage.

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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

TO: THE DIRECTOR, NATIONAL BUREAU OF STANDARDS
4300 RESISTANCE AVENUE
GAITHERSBURG, MARYLAND 20899

FROM: DR. J. H. GOLDSTEIN, UNIVERSITY OF CHICAGO

RE: ¹³C NMR SPECTRA OF POLYMERIZATION PRODUCTS
FROM ETHYLENE AND ACRYLONITRILE
Copolymerization of ethylene and acrylonitrile
was carried out in the presence of a Ziegler-Natta
catalyst system consisting of titanium tetrachloride
and aluminum ethylchloride. The resulting copolymer
was fractionated by solvent extraction and the
fractions were analyzed by ¹³C NMR spectroscopy.
The spectra show the presence of both ethylene
and acrylonitrile units in the polymer chain.
The chemical shifts of the carbon atoms in the
copolymer are in good agreement with those
observed for the corresponding monomers and
homopolymers.

July 11, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

Dear Mr. Vassallo:

Niagara Mohawk Power Corporation hereby transmits three (3) originals and nineteen (19) copies of an application for amendment to Nine Mile Point Unit 1's Operating License DPR-63. Also enclosed are forty (40) copies of the proposed change to the Technical Specifications in Appendix A of the above mentioned license.

Pursuant to 10CFR50.91(b)(1), we have provided a copy of this license amendment application and the associated analysis regarding no significant hazards considerations to the appropriate state representative.

Sincerely,

NIAGARA MOHAWK POWER CORPORATION

C. V. Mangano

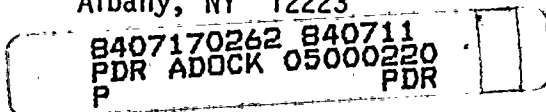
C. V. Mangano
Vice President

Nuclear Engineering and Licensing

AJP/bd

Enclosures

cc: Mr. Jay Dunkleberger
Division of Policy Analysis and Planning
New York State Energy Office
Agency Building 2
Empire State Plaza
Albany, NY 12223



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