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ACCESSION NBR: 8007070089      DOC. DATE: 80/06/30      NOTARIZED: YES      DOCKET #  
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe      05000220  
 AUTH. NAME      AUTHOR AFFILIATION  
 DISE, D.P.      Niagara Mohawk Power Corp.  
 RECIP. NAME      RECIPIENT AFFILIATION

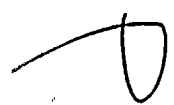
SUBJECT: Petition to amend 800221 confirmatory order to allow operation w/o recirculation pump trip until Spring 1981 refueling outage. Equipment needs to be inspected & prepared prior to installation. Delay will be economical & practical.

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 TITLE: General Distribution for after Issuance of Operating Lic

NOTES: -----

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JUL 8 1980



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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of )  
NIAGARA MOHAWK POWER CORPORATION )  
(Nine Mile Point Nuclear Power )  
Station Unit No. 1) )

Docket No. 50-220

PETITION TO AMEND A CONFIRMATORY ORDER

By letter dated December 21, 1979 and your Confirmatory Order dated February 21, 1980, Niagara Mohawk Power Corporation (Niagara Mohawk) is required to install a recirculation pump trip (RPT) feature at Nine Mile Point Unit 1 by December 31, 1980. Niagara Mohawk requests your Confirmatory Order be revised to allow operation of Nine Mile Point Unit 1 without RPT to its next refueling outage, now scheduled to begin in early March 1981. In support of such request, Niagara Mohawk states as follows:

1. Recommendations and modifications developed as a result of the Three Mile Island Unit 2 accident for the regulation and operation of nuclear facilities have placed an extraordinary demand on engineering manpower and equipment. Based in part by this demand, we have been notified by our suppliers that materials required for RPT installation may not be available to meet the December 31, 1980 deadline. The equipment which may not be available includes the RPT cabinets and contained instrumentation. Niagara Mohawk's current schedule calls for this equipment to be delivered during December. However, past experience has shown manufacturers' delivery dates tend to be optimistic. The more typical case is that there are usually associated delays in actual delivery of the equipment. Additionally, more time will be required for the inspection and preparation of this equipment prior to installation.

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2. The subject of anticipated transients without scram (ATWS) and the manner in which they should be considered in the design of nuclear power plants has been (and remains to be) an outstanding issue for over eleven years. The final resolution of the licensee requirement to protect against this very low probability event may not be forthcoming for some period of time. RPT has been agreed to as a potential worthwhile step to provide some additional protection for ATWS events. However, a precise quantification of the benefits of RPT is questionable. In Niagara Mohawk's opinion, a delay in the incorporation of this additional protection at Nine Mile Point Unit 1 by up to 75 days, compared to the length of time this issue has been outstanding and the arguable quantification of the benefits, is not unreasonable.

3. The operators at Nine Mile Point Unit 1 have been trained to respond to ATWS type events. The operating procedures address the manual tripping of recirculation pumps. These procedures are expected to provide equivalent safety improvement (however small) to that of an automatic RPT feature. This training of the operators further justifies the delay and installation requested herein.

4. Niagara Mohawk's current installation commitment will require an unplanned shutdown in December 1980 to install RPT. Niagara Mohawk believes that such a shutdown and startup is more of a hazard than operation for a short period of time without automatic RPT. This is due to the additional known stresses that the plant equipment is subjected to during the shutdown/startup cycle as well as the increased risk of a transient caused by changing operating conditions. As noted in recent ACRS statements, requiring a special plant shutdown to implement modifications may result in a net reduction in safety due to the potential for transients during the shutdown and startup of the plant.



5. Niagara Mohawk's system generation requirements peak during the winter period (December). With Nine Mile Point Unit 1 out of service, Niagara Mohawk may not be able to meet its system requirements with its own generating capacity. A shutdown of a base loaded nuclear plant to install RPT will result in the loss of an inexpensive generating source during this period and will have significant economic impact on its customers. It is estimated that this shutdown could cost its customers approximately \$3-4 million in higher generating charges. Additionally, the makeup power for this lost generation will, for the most part, be supplied by oil, further increasing the demand for this resource. It is estimated that an additional 170,000 barrels of oil would be burned.

6. A safer, more economical and practical approach is to install this equipment during the spring 1981 refueling outage now scheduled to begin in early March, 1981. Delaying the installation to this period would provide needed additional time to assure equipment delivery and inspection. Installation during the planned refueling outage, a period of lower system demand and high hydro generation capacity, would preserve Niagara Mohawk's system generating capabilities, have less economic impact on its customers, conserve oil resources as well as avoid the increased risk of a transient caused by an extra plant shutdown and startup.



[The text in this section is extremely faint and illegible. It appears to be a series of lines of text, possibly a list or a set of instructions, but the characters are too light to be read accurately.]

WHEREFORE, Niagara Mohawk requests that the Confirmatory Order be amended to extend the deadline for the installation of the recirculation pump trip until the Spring 1981 refueling outage, but in no event beyond March 15, 1981, or in the alternative, place and maintain its facility in a cold shutdown or refueling mode of operation.

NIAGARA MOHAWK POWER CORPORATION

By Donald P. Dise  
Donald P. Dise  
Vice President - Engineering

Subscribed and sworn to before  
me on this 30<sup>th</sup> day of June, 1980

Cynthia A. Petta  
NOTARY PUBLIC

CYNTHIA A. PETTA  
Notary Public in the State of New York  
Qualified In Onondaga Co. No. 4682225  
My Commission Expires March 30, 1982



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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

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OFFICE OF THE  
SECRETARY

May 8, 1980

Director  
Office of the Federal Register  
National Archives and Records Service  
Washington, D.C. 20403

Dear Sir:

Enclosed for publication in the Federal Register are an original and two certified copies of a document entitled:

NIAGARA MOHAWK POWER CORPORATION

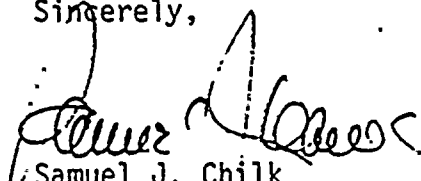
Docket No. 50-220

NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

Publication of the above document at the earliest possible date would be appreciated.

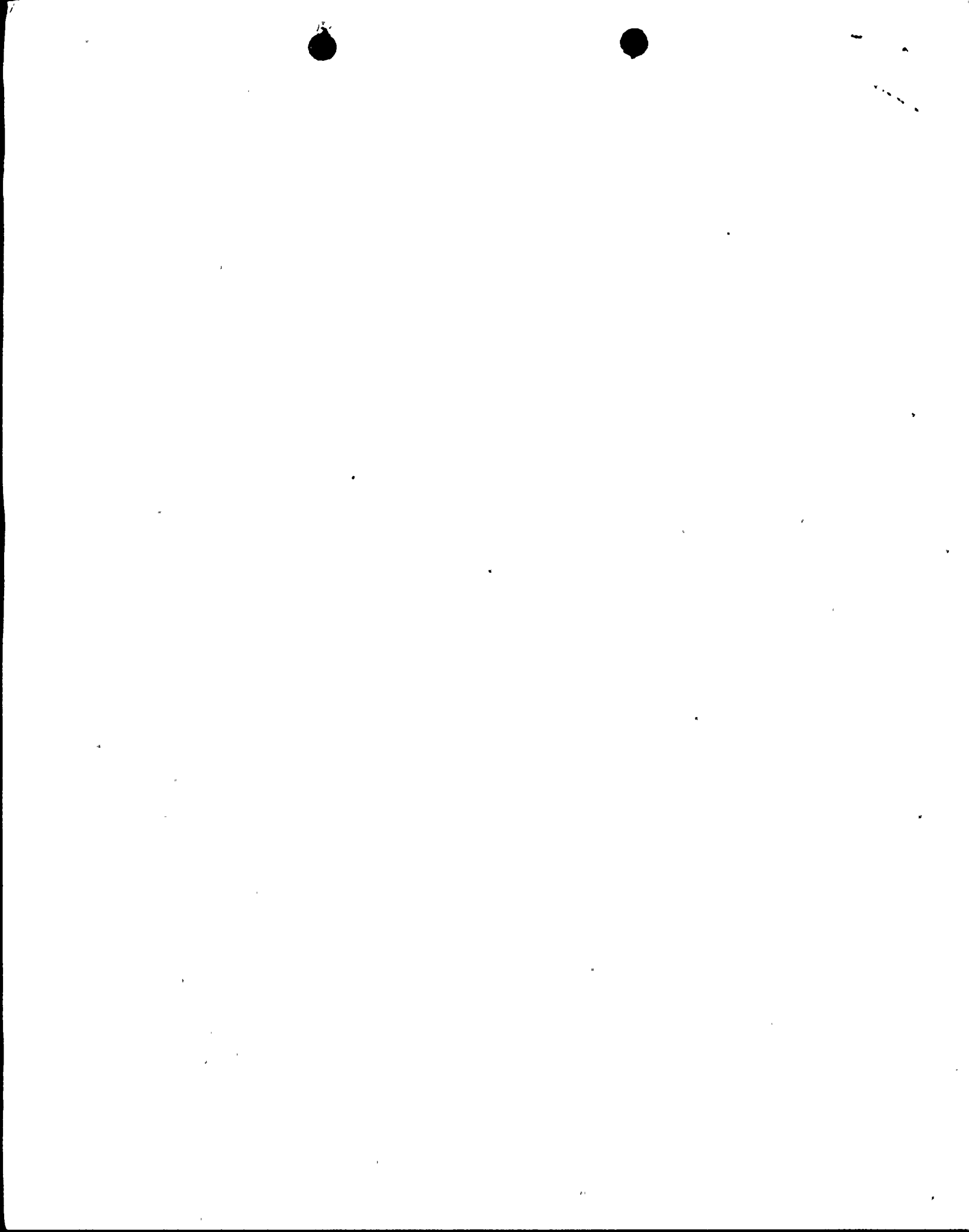
This material is to be charged to requisition number F-131.

Sincerely,

  
Samuel J. Chilk  
Secretary of the Commission

Enclosures:  
Original & 2 certified copies

bcc: Records Facility Branch  
Office of Public Affairs  
Executive Legal Director  
Office of Congressional Affairs  
Office of the General Counsel  
SECY - C&R Branch



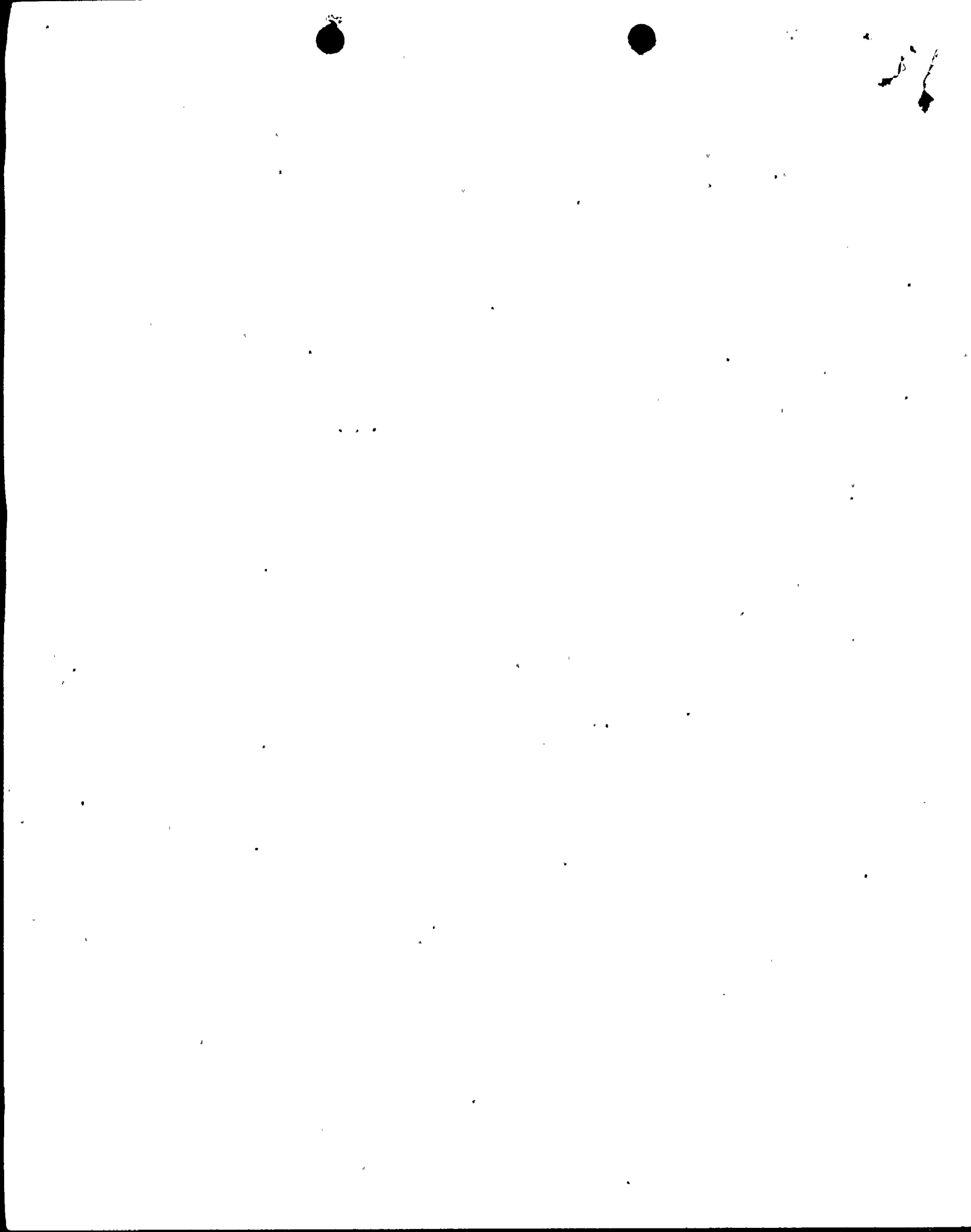
UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-220NIAGARA MOHAWK POWER CORPORATIONNOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 37 to Facility Operating License No. DPR-63 to Niagara Mohawk Power Corporation (the licensee) which revised the Technical Specifications for operation of the Nine Mile Point Nuclear Station, Unit No. 1 (the facility) located in Oswego County, New York. The amendment is effective as of its date of issuance.

The amendment revises the Technical Specifications to reflect the installation of an Analog Transmitter Trip Unit System (ATTUS).

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.


The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

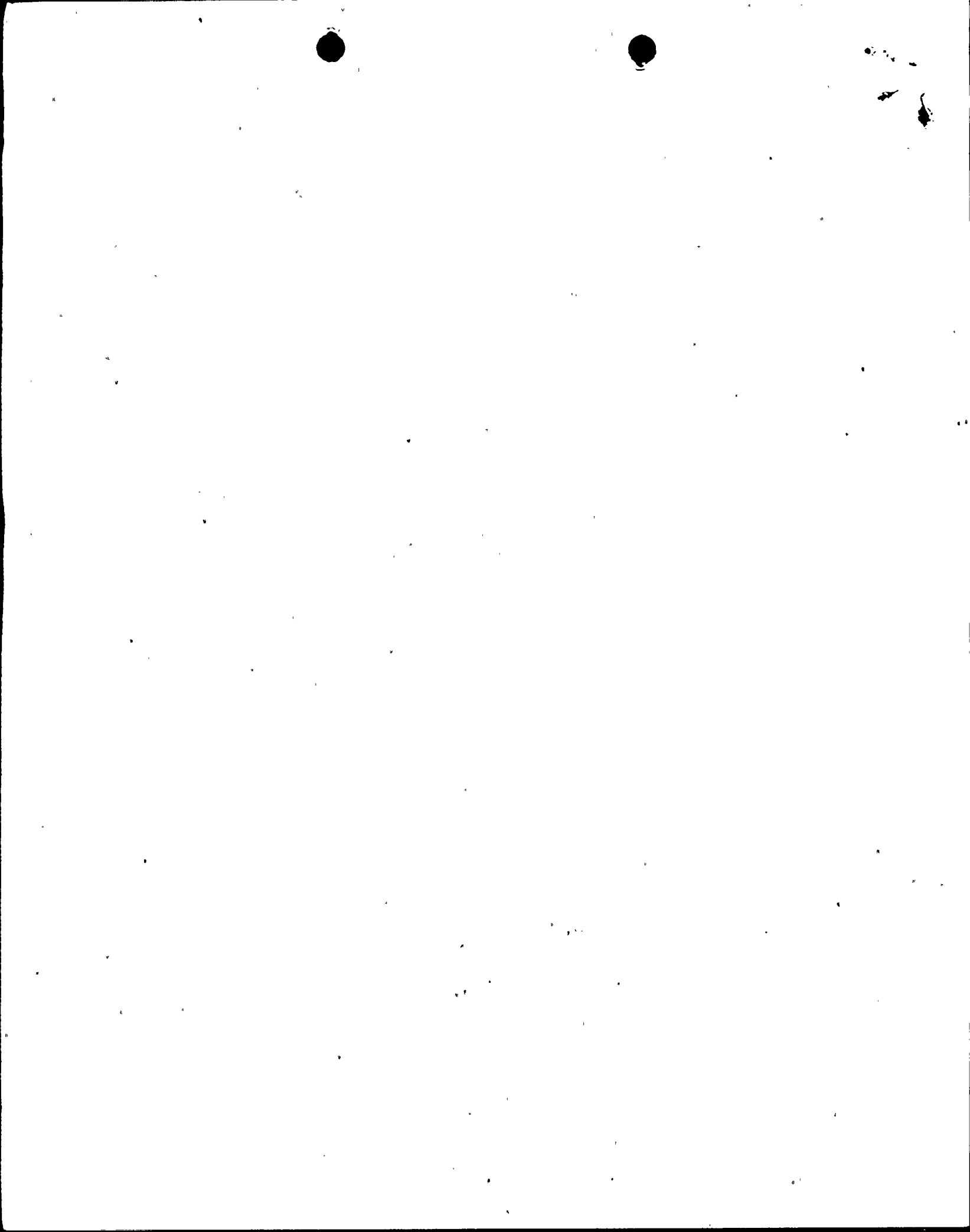


For further details with respect to this action, see (1) the application for amendment dated February 15, 1979 supplemented by letters dated March 27 and April 3, 1979, (2) Amendment No. 37 to License No. DPR-63, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D. C. and at the Oswego County Office Building, 46 E. Bridge Street, Oswego, New York 13126. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland this 2nd day of May 1980.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas J. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors



UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSION

REG. Central  
w/o Tech Rept  
on Densification

BEFORE THE COMMISSION  
AND  
BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of )  
)  
NIAGARA MOHAWK POWER CORPORATION ) Docket No. 50-220  
)  
(Nine Mile Point, Unit No. 1) )

CERTIFICATE OF SERVICE

I hereby certify that copies of the staff's "Order for Modification of License" and attachment, "Safety Evaluation Report" dated August 24, 1973, letter from the staff to applicant dated August 24, 1973, and the "Staff Technical Report on Densification of General Electric Reactor Fuels" dated August 23, 1973, in the captioned matter have been served on the following by deposit in the United States mail, first class or air mail, this 28th day of August, 1973:

J. Bruce MacDonald, Esq.  
Deputy Commissioner and Counsel  
New York State Department of  
Commerce and Counsel to the  
Atomic Energy Council  
99 Washington Avenue  
Albany, New York 12210


Arvin E. Upton Esq.  
LeBoeuf, Lamb, Leiby & MacRae  
1821 Jefferson Place, N. W.  
Washington, D. C. 20036

Secretary of the Commission  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

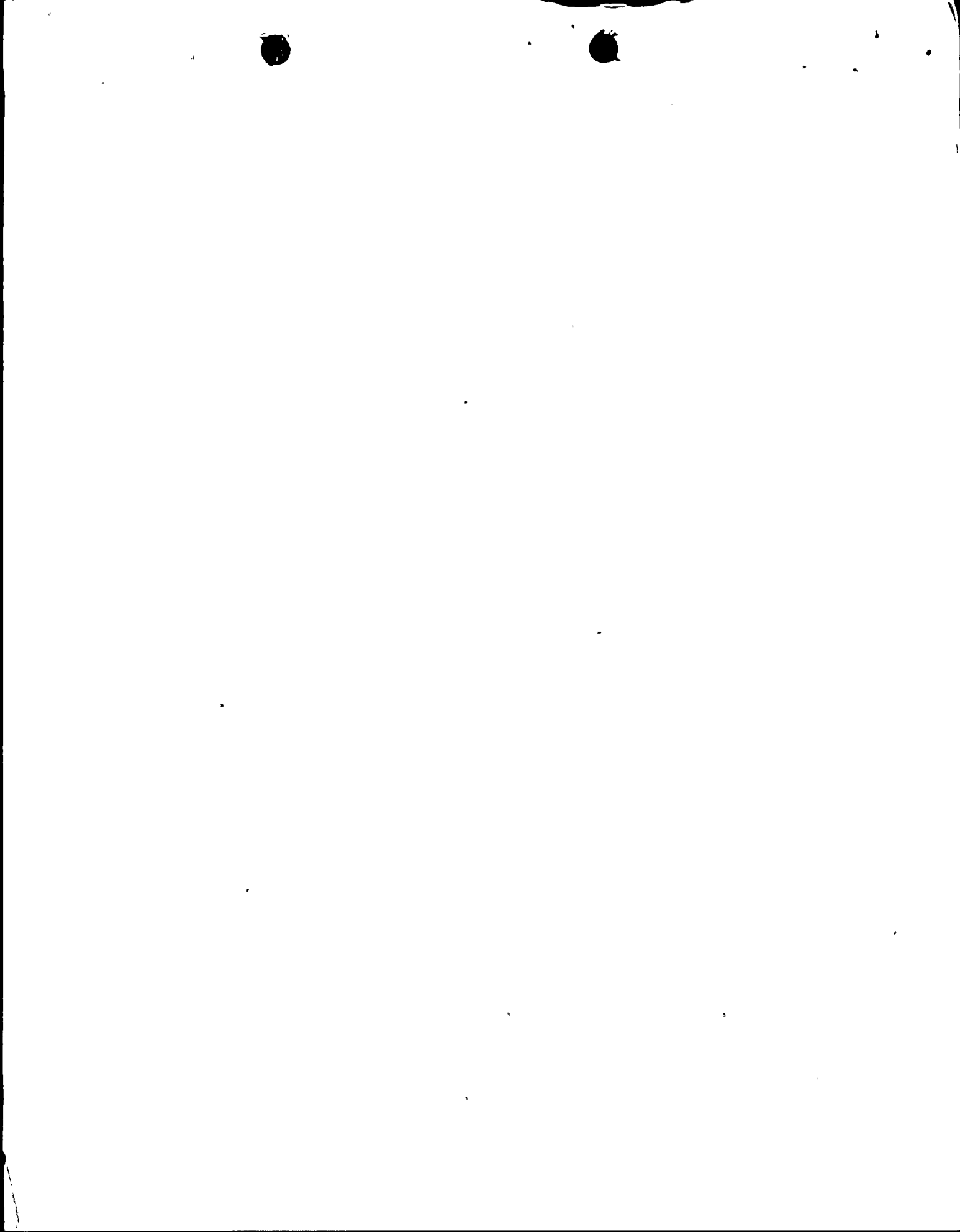
Chairman, Atomic Safety and  
Licensing Appeal Board  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Chairman, Atomic Safety and  
Licensing Board Panel  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Mr. Frank W. Karas  
Chief, Public Proceedings Staff  
Office of the Secretary of the  
Commission  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

  
Bernard M. Bordenick  
Counsel for AEC Regulatory Staff

hearing



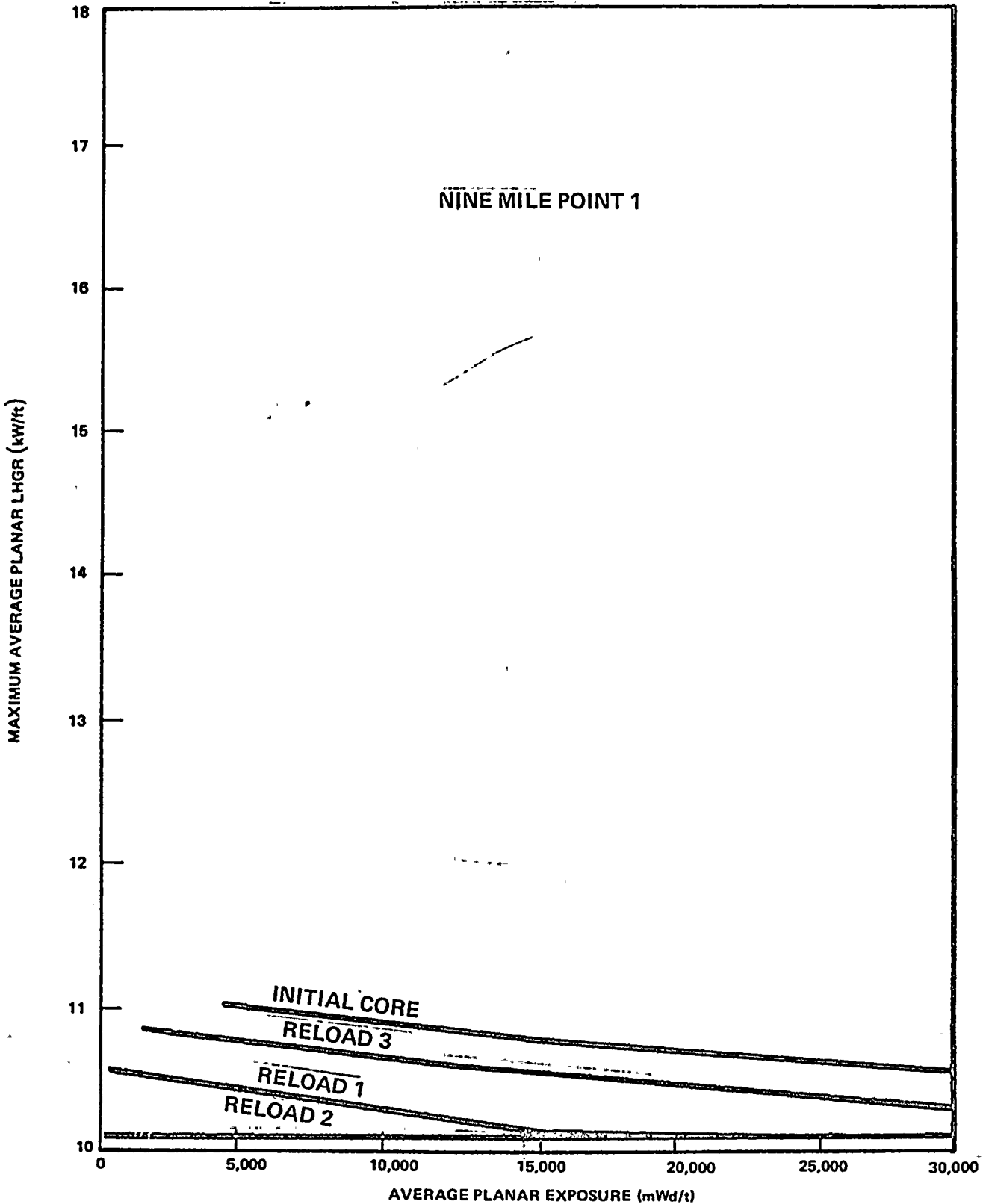


FIGURE 3.1.7 MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR APPLICABLE TO FUEL TYPE



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