

Docket No. 50-220

JAN 19 1979

Distribution

- ✓ Docket
- ORB #3
- Local PDR
- NRC PDR
- NRR Reading
- Tippolito
- SSheppard
- PPolk
- Attorney, OELD
- OI&E (3)
- DEisenhut
- TERA
- JRBuchanan
- ACRS (16)

Mr. Donald P. Dise
 Vice President - Engineering
 Niagara Mohawk Power Corporation.
 300 Erie Boulevard West
 Syracuse, New York 13202

Dear Mr. Dise:

Your submittal of November 21, 1978, relating to Reload 7 of Nine Mile Point Nuclear Station Unit No. 1, is being reviewed by our staff. In order to complete our review, you are requested to provide within 30 days of receipt of this letter, the additional information identified in the enclosure.

Sincerely,

Original Signed by
 T. A. Ippolito

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

Enclosure:
 Request for Additional
 Information

cc w/enclosure:
 See next page

79020803

~~79020803~~

7

ORIGINAL

P

OFFICE	ORB #3	ORB #3	ORB #3		
SURNAME	SSheppard:mjff	PPolk	Tippolito		
DATE	1/19/79	1/ /79	1/19/79		

JAN 29 1979

1000000000

0000000000

Niagara Mohawk Power Corporation

- 2 -

cc: Eugene B. Thomas, Jr., Esquire
LeBoeuf, Lamb, Leiby & MacRae
1757 N Street, N. W.
Washington, D. C. 20036

Anthony Z. Roisman
Natural Resources Defense Council
917 15th Street, N. W.
Washington, D. C. 20005

Oswego County Office Building
46 E. Bridge Street
Oswego, New York 13126

2

REQUEST FOR ADDITIONAL INFORMATION
NINE MILE POINT UNIT 1, RELOAD 7

1. It is stated in your submittal that power coastdown of Nine Mile Point Unit 1 beyond the end-of-cycle all rods out condition is permissible by reference to Section 5.2 of General Electric's approved "Generic Reload Fuel Application," NEDE-24011-P-A. Although the subject topical report addresses BWR reloads which utilize GE's retrofit 8x8R fuel assemblies, the conclusions appearing in Section 5.2 are based on an analysis of a core which involved neither 8x8R fuel nor an exposure history similar to Nine Mile Point during Cycle 6. Thus we believe it is inappropriate to reference the subject analyses for your reload application. Accordingly, we request that either a plant-specific or bounding analyses be submitted which are equivalent to those referenced in Section 5.2 of the LTR and which are applicable to the Cycle 6 core of NMP-1.

2. It is the staff's position that adequate startup physics testing be performed following each plant refueling in order to assure that the core conforms to the design, i.e. that the actual (measured) reload core configuration is consistent with the analysed reload core configuration. The staff currently has a study underway for the purpose of generically establishing requirements for minimum BWR startup physics test programs. Although this effort is not yet complete, we have concluded at this juncture that, in order to be acceptable, a BWR startup test program must include the following:
 - A. A visual inspection of the core including a photographic or videotape record.
 - B. A check of core power symmetry-by checking for mismatches between symmetric detectors.
 - C. Withdrawal and insertion of each control rod-to check for criticality and mobility.
 - D. A comparison of predicted and measured critical insequence rod pattern for nonvoided conditions.

In view of the importance the staff places on the above four BWR startup physics program elements, we request that you provide a commitment to include them in the Nine Mile Point Unit 1 Cycle 6 startup program.

Additionally, in order that we may adequately assess the characteristics of the entire Nine Mile Point Unit 1 Cycle 6 startup test program, we request that you provide the following information:

3

- A description of the core loading verification (inspection) procedures to be followed for the core refueling including the number of independent checks to be made of the a) core loading, b) the intended core loading and 3) the consistency between the two.
- A description of each startup physics test (including those indicated above).
- The acceptance criteria and basis for each test (including those indicated above) which provides assurance that the actual core conforms to the design.
- The actions to be taken for each test (including those indicated above) whenever the acceptance criteria are not satisfied.

4.