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MANGAN,C.V. Niagara Mohawk Power Corp.
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SUBJECT: Forwards addl info re Tech Spec amendment concerning reload cycle 10.

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NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/301 PLAINFIELD ROAD, SYRACUSE, N.Y. 13212/TELEPHONE (315) 474-1511

March 9, 1988
NMP1L 0232

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

This letter provides the additional information requested by the Staff to complete their review of our proposed technical specification amendment submitted on December 18, 1987 (NMP1L 0210), concerning reload cycle 10. This additional information clarifies that the fresh fuel to be loaded in cycle 10, bundle type BD321B, is a GE8x8EB bundle design. We also have revised our core loading pattern to reflect a change in the previous cycle core average exposure at end of cycle. We have confirmed that the fuel safety limits specified in our application are not affected by this change in exposure. Approval of the subject technical specification amendment is requested prior to plant startup which is currently scheduled for April 20, 1988.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

C. V. Mangan
Senior Vice President

KBT/pns
4598G

cc: Regional Administrator, Region I
Mr. R. A. Capra, Director
Mr. R. A. Benedict, Project Manager
Mr. W. A. Cook, Resident Inspector

IE24
1/1

1. PLANT-UNIQUE ITEMS (1.0)*

Plant Parameter Differences: Appendix A

Bundle Enrichment and Gadolinia Distribution**

2. RELOAD FUEL BUNDLES (1.0, 2.0, 3.3.1 AND 4.0)

Fuel Type	Cycle Loaded	Number
Irradiated		
P8DNB277	8	156
P8DRB299	9	200
New		
BD321B***	10	176
Total		532

3. REFERENCE CORE LOADING PATTERN (3.3.1)

Nominal previous cycle core average exposure at end of cycle: 20096 MWd/MT

Minimum previous cycle core average exposure at end of cycle from cold shutdown considerations: 20096 MWd/MT

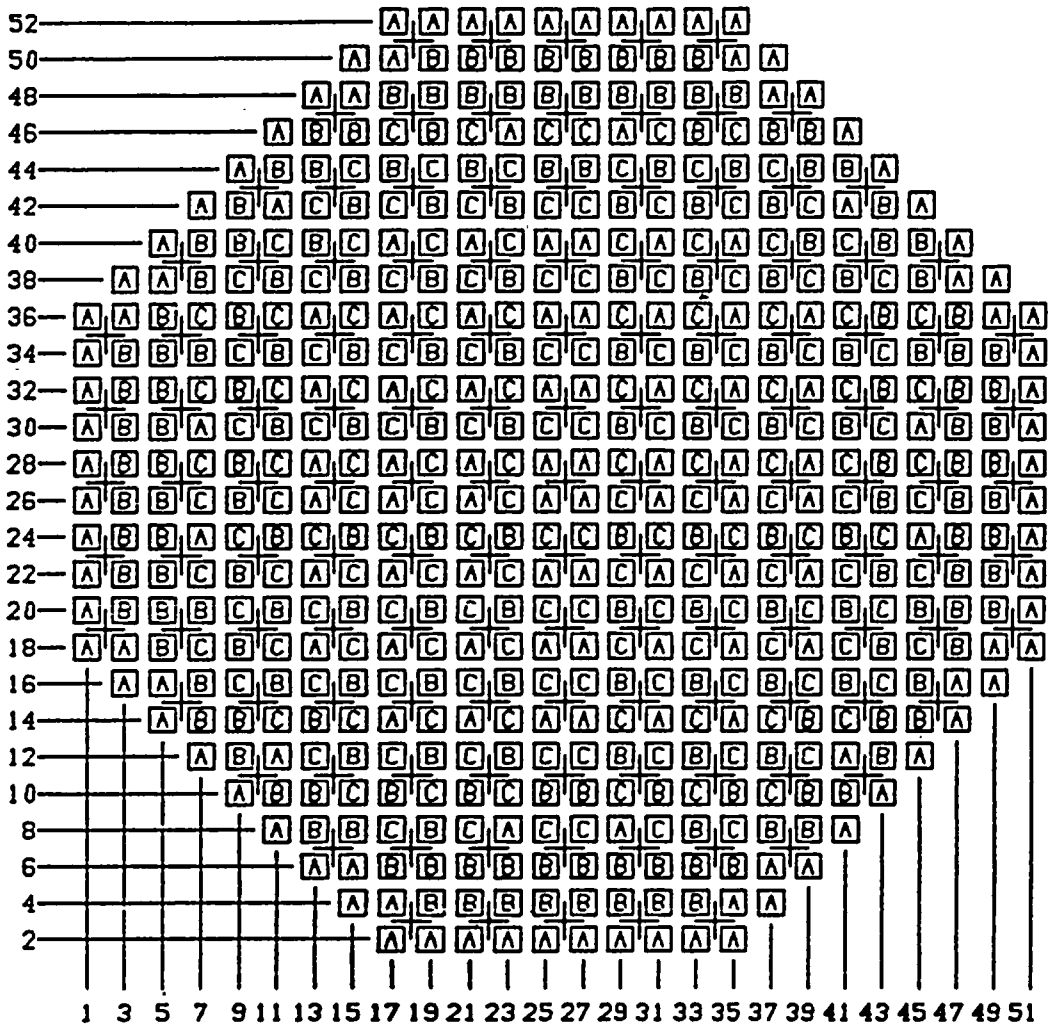
Assumed reload cycle core average exposure at end of cycle: 22151 MWd/MT

Core loading pattern: Figure 1

*( ) Refers to area of discussion in General Electric Standard Application for Reactor Fuel, NEDE-24011-P-A-8, May 1986; a letter "S" preceding the number refers to the United States Supplement.

**See "Supplement to Nine Mile Point Unit 1 SAFER/CORECOOL/GESTR-LOCA Loss-of-Coolant Accident Analysis," NEDC-31446P-1, September 1987.

***BD321B is a specific design of the generic GE8X8EB design described in General Electric Standard Application for Reactor Fuel, NEDE-24011-P-A-8, May 1986, and approved by the NRC. These Bundles were analyzed using currently approved methods and found to meet all accepted criteria.



FUEL TYPE
A = P8DNB277 (Cycle 8) B = P8DRB299 (Cycle 9) C = BD321B (Cycle 10)

Figure 1. Reference Core Loading Pattern