NORTHEAST UTILITIES
THE CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

P.O. BOX 270
HARTFORD, CONNECTICUT 06101
(203) 666-6911

September 25, 1979
MP-1-1309

Mr. Boyce H. Grier
Director, Region I
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: Provisional License DPR-21
Docket No. 50-245
Reportable Occurrence RO-79-25/1T

Dear Mr. Grier:

This letter forwards the Licensee Event Report for Reportable Occurrence RO-79-25/1T required to be submitted within 14 days pursuant to the requirements of the Millstone Unit 1 Technical Specifications, Section 6.9.1.8.b. An additional three copies of the report are enclosed.

Yours truly,

J. F. Opeka
Station Superintendent
Millstone Nuclear Power Station

JFO/RHY:llm

Attachment: (LER RO-79-25/1T)

cc: Director, Office of Inspection and Enforcement, Washington, D.C. (40)
Director, Office of Management Information and Program Control, Washington, D.C. (3)

ATTACHMENT TO LER 79-25/1T
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION-UNIT 1
PROVISIONAL LICENSE NUMBER DPR-21
DOCKET NUMBER 50-245

IDENTIFICATION OF OCCURRENCE

Operation of the unit with the limit for total peaking factor less conservative than that limit referred to in Technical Specifications.

CONDITIONS PRIOR TO OCCURRENCE

The unit was operating at a steady state power level of 100 percent.

DESCRIPTION OF OCCURRENCE

On September 13, 1979, at 1600 hours, during a review of the Nuclear Design Report for the current reload, it became apparent that the total peaking factor limit for the current reload fuel (8X8R) was more conservative than the Technical Specification limit for the standard 8X8 fuel type.

It was also discovered that this more conservative limit had been inadvertently omitted from the current cycle license submittal and Technical Specifications.

APPARENT CAUSE OF OCCURRENCE

The inadvertent omission of this new total peaking factor limit was an apparent oversight.

ANALYSIS OF OCCURRENCE

Although the maximum total peaking factor limit is not directly addressed in the reactor fuel thermal limit section of Technical Specifications, it is indirectly referred to in the limiting safety system setting portion of the fuel cladding section (2.1.2A).

In addition to the boiling transition limit (MCPR=1.07) operation is constrained to a maximum LHGR=17.5 KW/FT for 7X7 fuel and 13.4 KW/FT for 8X8 fuel. At 100 percent power this limit is reached with a maximum total peaking factor (MTPF) of 3.08 for 7X7 fuel and 3.04 for 8X8 fuel. Per vendor Nuclear Design Report the maximum total peaking factor for "8X8R" fuel is 3.01. For the case of the MTPF exceeding these values operation is permitted only at less than 100 percent of rated thermal power and only with reduced APRM scram settings as required by Specification 2.1.2.A.1.

The total peaking factor surveillances for this cycle have been reviewed and were found to be within the most limiting specification (i.e., 3.08 for 7X7, 3.04 for 8X8, and 3.01 for 8X8R type fuel).

CORRECTIVE ACTION

Upon discovery of the omission the vendor and licensing were informed. The operating procedures were immediately revised to include this most limiting specification. Additionally, a Technical Specification change has been initiated to include the new total peaking factor limit for 8X8R type fuel.