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ELIASON,L.R. Northern States Power Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 80-79-023,Suppl 1:on 800103,confirmed fuel type 8DB219L had peak planar exposure of 27,000 MWD/ST while process computer programmed for max value of 25,000 MWD/ST.Fuel vendor contacted & changes initiated to prevent recurrence.

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NORTHERN STATES POWER COMPANY

Monticello Nuclear Generating Plant
Monticello, MN 55362

January 3, 1980

Mr. J. G. Keppler, Director
Region III
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Reportable Occurrence 79-023
Supplement 1

On January 3, 1980, in conjunction with continuing investigation concerning previous reportable occurrence 79-023, it was confirmed that fuel type 8DB219L had peak planar exposure of 27,000 MWD/ST but the process computer was programmed for a maximum value of 25,000 MWD/ST for this fuel type. MAPLHGR analysis had been completed for this fuel type out to 30,000 MWD/ST at the beginning of the current operating cycle, and results of this analysis are appropriately included in the current revision of Table 3.11.1 of the Technical Specifications. However, the plant process computer continues to apply the value of 10.6 kw/ft at 25,000 MWD/ST when interpolation should be done between 10.6 and 10.2 kw/ft as exposure progresses from 25,000 to 30,000 MWD/ST.

Exposure first exceeded 25,000 MWD/ST near mid-November, 1979, at which time the MAPLHGR for 8DB219L fuel was 7.31 kw/ft; current MAPLHGR for this fuel type is 6.81 kw/ft, both values significantly below the LCO of 10.2 kw/ft at 30,000 MWD/ST.

The nuclear fuel vendor has been contacted regarding this matter, and procedural changes have been initiated at the plant to prevent a recurrence and to modify the appropriate process computer constants.

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Discovery of this determination was reported by telephone to Mr. N. C. Choules today. An LER supplement to RO 79-023 will be forthcoming, and a supplement will be added to the final report available at the plant for review by I.E. Region III personnel.

Yours very truly,

L. R. Eliason
Plant Manager

LRE/sdd

cc: Director, Office of Management Information
& Program Control
File

Copy sent by telecopier to Keppler.