



Northern States Power Company

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August 15, 1983

Director
Office of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
50-306 DPR-60

Supplemental PROPRIETARY Information Related
to License Amendment Request dated June 24, 1983
Offsite Dose Calculations to Support Peak
Pellet Exposures Up To 55 GWD/MTU

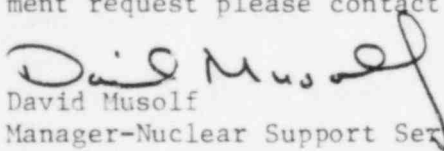
This submittal supplements the License Amendment Request dated June 24, 1983. The June 24, 1983 submittal, titled "LOCA Analysis", requested P_0 be increased to 2.32 and the peak pellet exposure be increased to 55 GWD/MTU. This submittal contains offsite dose calculations using revised source terms for LOCA and fuel handling accidents.

Also included in the calculations were new Shield Building and Containment leakage rates identified in a November 23, 1973 letter from L O Mayer (NSP) to J F O'Leary (NRC). Results of these calculations show that the guidelines of 10CFR Part 100 would be satisfied.

Exhibit A is the Exxon Nuclear Company (ENC) affidavit of R B Stout which states the basis for exemption from public disclosure of the ENC document XN-NF-719(P) in accordance with 10 CFR 2.790(b)(1)(ii).

Exhibit B is the Exxon Nuclear Company document XN-NF-719(P).

For additional information regarding this document or the license amendment request please contact this office.


David Musolf
Manager-Nuclear Support Services

DMM/TMP/js

cc: Regional Administrator-III
NRR Project Manager, NRC
Resident Inspector, NRC
G Charnoff
MPCA
Attn: J W Ferman (w/o attachment)

Attachments

Attachment Contains 10 CFR 2.790 Proprietary Information

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PDR ADDCK 05000282
PDR

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CHANGE:
LPDR
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EXHIBIT A

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

August 15, 1983

Affidavit of R B Stout

A F F I D A V I T

STATE OF Washington)
COUNTY OF Benton) ss.

I, Richard B. Stout, being duly sworn, hereby say and depose:

1. I am Manager, Licensing & Safety Engineering, for Exxon Nuclear Company, Inc. ("ENC"), and as such I am authorized to execute this Affidavit.

2. I am familiar with ENC's detailed document control system and policies which govern the protection and control of information.

3. I am familiar with the document XN-NF-719(P), entitled "Assessment of Potential Radiological Consequences for High Exposure Fuel," referred to as "Document". Information contained in this Document has been classified by ENC as proprietary in accordance with the control system and policies established by ENC for the control and protection of information.

4. The Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by ENC and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in the Document as being proprietary and confidential.

5. The Document has been made available to Northern States Power Company in confidence, with the request that the information contained in the Document not be disclosed or divulged.

6. The Document contains information which is vital to a competitive advantage of ENC and would be helpful to competitors of ENC when competing with ENC.

7. The information contained in the Document is considered to be proprietary by ENC because it reveals certain distinguishing aspects of safety analysis methods which secure competitive economic advantage to ENC for fuel design optimization and improved marketability, and includes information utilized by ENC in its business which affords ENC an opportunity to obtain a competitive advantage over its competitors who do not or may not know or use the information contained in the Document.

8. The disclosure of the proprietary information contained in the Document to a competitor would permit the competitor to reduce its expenditure of money and manpower and to improve its competitive position by giving it extremely valuable insights into safety analysis methods, and would result in substantial harm to the competitive position of ENC.

9. The Document contains proprietary information which is held in confidence by ENC and is not available in public sources.

10. In accordance with ENC's policies governing the protection and control of information, proprietary information contained in the Document has been made available, on a limited basis, to others outside ENC only as required and under suitable agreement providing for non-disclosure and limited use of the information.

11. ENC policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

12. This Document provides information which reveals safety analysis methods developed by ENC over the past several years. ENC has invested millions of dollars and many man-years of effort in developing the analysis methods revealed in the Document. Assuming a competitor had available the same background data and incentives as ENC, the competitor might, at a minimum, develop the information for the same expenditure of manpower and money as ENC.

13. Based on my experience in the industry, I do not believe that the background data and incentives of ENC's competitors are sufficiently similar to the corresponding background data and incentives of ENC to reasonably expect such competitors would be in a position to duplicate ENC's proprietary information contained in the Document.

THAT the statements made hereinabove are, to the best of my knowledge, information, and belief, truthful and complete.

FURTHER AFFIANT SAYETH NOT.



SWORN TO AND SUBSCRIBED

before me this 15 day of

August, 1985.



NOTARY PUBLIC

EXHIBIT B

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

August 15, 1983

Exxon Nuclear Report

XN-NF-719(P)

Note: The dose of 82 rem for Fuel Handling Accident inside Containment was documented in a January 12, 1979 letter from L O Mayer to the Director of Nuclear Reactor Regulation.