

WILLIAM L. BERG
General Manager

February 28, 1994

In reply, please
refer to LAC-13344

DOCKET NO. 50-409

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Gentlemen:

SUBJECT: Dairyland Power Cooperative
La Crosse Boiling Water Reactor (LACBWR)
Possession-Only License No. DPR-45
Annual Radioactive Effluent Report and
Radiological Environmental Monitoring Report

REFERENCES: (1) NRC Letter, Keppeler to Linder, dated August 12, 1983,
Inspection Report 50-409/83-10 (DRMSP)
(2) LACBWR Technical Specifications 6.6.4.2, 6.8.1.1.c & d

In accordance with 10 CFR 50.36a(a)(2), this letter serves to transmit to you the Radioactive Effluent Report and Radiological Environmental Monitoring Report for the La Crosse Boiling Reactor (LACBWR) for 1993.

Also, in accordance with LACBWR Technical Specifications 6.6.4.2 and 6.8.1.1.d, Revision 2 of the LACBWR Offsite Dose Calculation Manual (ODCM) is enclosed. Since this revision is a major simplification and reformatting of the ODCM because of the present SAFSTOR conditions of the LACBWR, the approval signatures are shown on the cover page instead of on each page, and each page of the manual is identified as Rev. 2. This revision of the ODCM is consistent with the philosophy, methodology, and requirements previously approved in Rev. 1 and will not reduce the accuracy or reliability of dose calculations or setpoint determinations.

The following is a summary of specific changes in the enclosed Rev. 2 of the ODCM:

1. Many calculations, tables of data, etc., are simplified since, with LACBWR permanently shutdown in SAFSTOR, fission products are not being produced and short-lived isotopes have decayed to insignificant levels.

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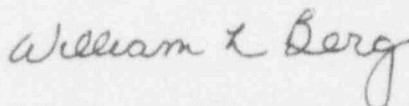
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2. References to LACBWR Technical Specifications have been updated to agree with current LACBWR SAFSTOR T.S.'s.
3. A conservative methodology has been included for determining compliance with T.S. 4.7.4 which was not included in Rev. 1 of the ODCM. This T.S. is based on the EPA Environmental Standard for the Uranium Fuel Cycle, 40 CFR 190 Subpart B.
4. Some calculations have been formatted on LOTUS spreadsheets, which eliminates the complexity of hand calculations and data tables included in Rev. 1 of the ODCM.
5. Since previous LACBWR license amendments approved reducing meteorological instrumentation at the LACBWR site, conservative historical values are used for the atmospheric dispersion coefficient χ/Q and submicron aerosol deposition coefficient D/Q in dose calculations.

If you have any questions, please contact us.

Sincerely,

DAIRYLAND POWER COOPERATIVE



William L. Berg, General Manager

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Enclosures

cc/enc: John Martin, NRC Regional Administrator, Region III
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