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Docket No. 50-305

NOV 13 1974

Daniel R. Muller, Assistant Director for Environmental Projects, L  
THRU: George W. Knighton, Chief, Environmental Projects Branch No. 1

## KEWAUNEE PLANT - ENVIRONMENTAL TECHNICAL SPECIFICATIONS CHANGE NO. 7

On October 16, 1974, a meeting was held at the Bethesda Headquarters with Carl Giesler, Superintendent of Kewaunee, and Tom Mainz, Environmental Manager, of Wisconsin Public Service Corporation, and Leo McDonough, LPM, and M. J. Oestmann, EPM, of Regulatory for the purpose of discussing the proposed Change No. 7 to the Environmental Technical Specifications. On October 3, 1974, the licensee submitted the proposed change. The change involves increasing the total annual release of total solids from 125 to 325 tons into Lake Michigan. The increase results from the conversion from a coordinated phosphate control to all volatile treatment of the secondary coolant in the steam generators. The purpose of the conversion is to reduce tube wastage and prevent tube failure of the steam generator.

The conversion to the AVT requires an increase in blowdown rate from 10 to 20 gpm up to 50 gpm but eliminates the release of phosphates to the lake. At the higher blowdown rate, additional makeup water has to be provided. Therefore, the rate of operation of the plant makeup water system involving a clarifier-flocculator and demineralizer system will have to be increased. It is from this step, primarily the increase in regeneration of the cation, anion, and mixed bed demineralizers, that results in increasing the total solids released from 125 to 325 tons. The technical specification change is in progress.

A copy of the draft 402 permit for the Kewaunee Plant obtained from the Wisconsin Department of Natural Resources was also given to the EPM. The licensee believes it will receive a 316 exemption.

Original signed by  
M. J. Oestmann

Mary Jane Oestmann, Project Manager  
Environmental Projects Branch No. 1  
Directorate of Licensing

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