

Central file

WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

December 19, 1979

Mr. J. G. Keppler, Regional Director  
Office of Inspection & Enforcement  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Mr. Keppler:

Docket 50-305  
Operating License DPR-43  
IE Bulletin 79-02, Revision 2  
Pipe Support Base Plate Designs Using  
Concrete Expansion Anchor Bolts

The above referenced IE Bulletin concerns the effect of several additional parameters on the pull-out capability of expansion anchors. These parameters were not addressed in previous revisions and supplements to this IE Bulletin. The first concern is the degradation of the factor of safety due to the installation of safety related seismic Class I pipe supports in concrete block walls. This factor is not applicable to the Kewaunee Nuclear Power Plant as there are no safety related seismic Class I pipe restraints installed in concrete blocks at the Kewaunee Nuclear Power Plant.

The second concern is that safety related seismic Class I restraints without base plates were not addressed by the inspection and testing program initiated by this bulletin. The testing and inspection program at the Kewaunee Nuclear Power Plant covered all safety related seismic Class I pipe restraints where they were physically accessible--regardless of the design details. Safety factors are presently being calculated by our architect-engineers for all seismic Class I safety related pipe restraints, including those without a base plate.

The third point of the referenced IE Bulletin is a request to the licensee for information which demonstrates the effect of preload on the anchor bolt ultimate capacity under dynamic loading. This information has previously been transmitted by their report TR-3501-1, Revision 1, dated August 30, 1979.

Very truly yours,

*E.R. Mathews*  
E. R. Mathews, Vice President  
Power Supply & Engineering  
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cc - Dir, Office of Inspection & Enforcement  
US NRC, Washington, D. C. 20555

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