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August 29, 1984

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief  
Licensing Branch No. 4

Re: Catawba Nuclear Station, Unit 1  
Docket No. 50-413

Dear Mr. Denton:

This letter is to supplement the technical justification for the Auxiliary Feedwater System Technical Specification amendment request.

The proposed amendment was based on the FSAR Chapter 15 accident analysis which requires an Auxiliary Feedwater flow rate of at least 492 gpm. The flow rate of 492 gpm is the minimum flow rate required of the Auxiliary Feedwater System, given an initiating event (e.g. feedwater line break) and a single failure (e.g. failure of one motor-driven pump).

The Technical Specification surveillance requirements proposed in my July 31, 1984 letter were based on these requirements. By testing each Auxiliary Feedwater pump through the test loop to assure a flow of at least 400 gpm it is assured that the Auxiliary Feedwater System will be capable of supplying at least 492 gpm to at least two effective steam generators in an accident situation coupled with a single failure.

Very truly yours,

*Hal B. Tucker*  
*er*

Hal B. Tucker

RWO:slb

cc: Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
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NRC Resident Inspector  
Catawba Nuclear Station

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Mr. Harold R. Denton, Director  
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