



Caldon, Inc.  
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January 9, 1997

Mr. David B. Matthews  
Generic Issues and Environmental Projects Branch Chief  
United States Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, MD 20852-2738

Subject: Caldon, Inc., Leading Edge Flow Meter Topical Report Review

Dear Mr. Matthews:

I respectfully request that the NRC review a Topical Report to be submitted by Caldon, Inc. within the coming month. Caldon has developed an improved system for measuring and controlling thermal power in nuclear power plants utilizing a Leading Edge Flow Meter, LEFM. The LEFM provides increased safety by means of on-line confirmation of the accuracy of critical thermal power measurements which is not possible with current systems. The LEFM provides a significant improvement in accuracy and an increase in reliability of these measurements which can permit increases in reactor power levels while improving the real margin of safety.

The following five utilities have evaluated Caldon's concept for using the LEFM to increase safety and reactor power levels and desire to employ it if approved by the NRC: Arizona Public Service Co., Niagara Mohawk Power Corp., Northern States Power Co., Tennessee Valley Authority, and TU Electric.

To initiate this review, I request that a meeting be scheduled with the NRC Staff during the week of January 20, 1997 to present information concerning Caldon's Topical Report. We plan to have both technical personnel and regulatory counsel attend the meeting. I would request also that portions of this meeting be closed because of the proprietary nature of the presentation.

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Sincerely,



Calvin R. Hastings  
Caldon, Inc.  
President & CEO

cc: William L. Stewart  
Executive Vice President - Nuclear  
Arizona Public Service Co.

B. Ralph Sylvia  
Executive V.P. & Chief Nuclear Officer  
Niagara Mohawk Power Corp.

Michael D. Wadley  
Plant Manager, Prairie Island Nuclear  
Northern States Power Co.

Oliver D. Kingsley, Jr.  
President & Chief Nuclear Officer  
Tennessee Valley Authority

C. Lance Terry  
Group V.P., Nuclear Production  
TU Electric



Caldon Inc.

**CALVIN R. HASTINGS**  
PRESIDENT & CEO

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