



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 WASHINGTON, D. C. 20555

9/9/80

To Steve Scott

Please docket the
 attached document
 under Millstone
 Docket 50-336

Peter S. Kyo

To: M. Collins

This document is in support
 of a Topical Report.

S. SCOTT ADD: L E
 R CLARK 4 4 LPDR 4 4

TO: S. J.

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April 28, 1980

Mr. Peter Kapo
USNRC
Office of Nuclear Reactor Regulation
Div. of Operating Reactors
Reactor Safety Branch
Washington, DC 20555

Dear Peter:

This is to inform you of our experience to date on response time testing in nuclear power plants. The plants and dates were:

Millstone 2: August 1977, December 1978, May 1979 (one sensor)

Farley 1: October 1978, January 1980

North Anna 1: August 1979

ANO unit 2: November 1978, December 1978

The only plant other than Millstone in which tests were performed at an interval suitable for detecting degradation due to ageing was Farley. At Farley, the same two Rosemount 176 KF sensors were tested fifteen months apart. The results were

Sensor	Time Constant		Self Heating Index	
	October 1978	January 1980	October 1978	January 1980
1	.10 sec	.11 sec	7.5 Ω /W	7.4 Ω /W
2	.12 sec	.12 sec	5.8 Ω /W	5.7 Ω /W

These results show that the changes were negligible for these sensors.

I have also enclosed another copy of the information on conservatism in the results.

Please let me know if you have further questions.

TWK/sch
Enclosure

DUPLICATE DOCUMENT
Entire document previously
entered into system under: ng
ANO 8005050281
No. of pages: 6