SEP 1 3 1973

Docket No. 50-29

Yankse Atomic Electric Company ATTN: Donald E. Vanienburgh Vice Fresident 20 Turnpike Road Westboro, Massachusetts 01581

Gentlemen:

Change No. 110 License No. DPR-3

By letter dated May 11, 1973, you proposed Change No. 109 requesting authorization to change the sensing point for the reactor permissive relay pressure switches because of a change in indicated turbine first stage pressure as a function of power level following a shutdown. Since the reactor permissive relay switches sense this pressure, it was found that these relays were now functioning at an indicated load of 33 MWe instead of 15 MWe as required by the Technical Specifications.

You proposed to connect the reactor permissive relay pressure switches to the turbine #1 mozzle pressure sensing point. In addition, four new pressure switches with a larger operating range will be installed. Based on #1 nozzle pressure data, the new pressure switches will be set to operate at the power levels currently required by the Technical Specifications. Following a scram on May 23, 1973, we authorized by letter dated May 24, 1973, an interim method and administrative controls that allowed you to return to power.

We have reviewed your Proposed Change No. 109 and find that sensing of pressure at the \$1 nozzle will satisfactorily indicate reactor power and that the reliability and functional capability of the system will be equal to that existing prior to the interim method approved May 24, 1973. We have designated our action as Change No. 102.

We conclude that Change No. 102 does not present a significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered. Pursuant to 10 CFR Part 50, Section 50.59, the Technical Specifications appended to License No. DPR-3 are changed as shown in Attachment A.

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Yankee Atomic Electric Company

However, the reliability of the scram circuitry must be improved. The protective .cram functions presently automatically bypassed on decreasing turbine pressure equivalent to 15 MWe are: Low steam generator level, low main coolant pressure, low pressurizer pressure, low main coolant flow, and turbine and generator associated scrams. In addition, the high startup rate scram, intermediate range is automatically bypassed on increasing pressure equivalent to 15 MWe. As agreed in discussions with your staff, the scram bypass circuitry shall be modified to meet the following criteria:

- 1. Bypass of scram functions shall only be accomplished manually except that the high startup rate scram may be automatically bypassed on increasing pressure.
- 2. Permissive interlocks shall be provided to prevent manual bypass of scram functions when turbine nozzle pressure is greater then that equivalent to 15 MWe, except that the high startup rate scram bypass shall be prevented below 15 MWe.
- 3. Manual bypass of scram functions shall be automatically removed when turbine nozzle pressure is greater than that equivalent to 15 MWe, except that manual bypass of the startup rate scram shall be automatically removed when below 15 MWe.
- 4. Visual indication of the scram bypass condition shall be provided with separate indication for the high startup rate scram bypass.
- 5. A visual and audible alarm shall be provided when turbine nosale pressure is less than that equivalent to 15 MWe and the plant is not scrammed.

Accordingly, by October 23, 1973, you will submit a description of the changes necessary to meet the above criteria and a schedule for implementing these changes.

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RO(3) Attorney, OGC RVollmer,L:QA RJSchemel* TJCarter-NDube,L:0PS MJinks, DRA(4) SATeets. GChipman . ABurger. PCollins.

Sincerely.

Original Signed by. Donald J. Skovholt

Donald J. Skowholt Assistant Director for Operating Reactors Directorate of Licensing

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Attachment A - Change No. /109 to the Technical Specifications

	L:0RB #1	L:ORB #1	L:ORB #1	L:ORB #1	L:OR	
SURNAME .	GChipman:1b	ABurger 1.D.	SATEEts	RJSchemel	DJSwovholt	************
	9/11/73	9/12/73	9////73	9/13/73	91/7173	
Form AEC-318 (Rev. 9-	53) AECM 0240	GFO	643-16-81465-1 445-	-978	49	

CHANGE NO. 202 TO THE TECHNICAL SPECIFICATIONS

LICENSE NO. DPR-3

YANKEE ATOMIC ELECTRIC COMPANY

In the Technical Information and Final Hazards Summary Report, page 214:5, change the first sentence of the last full paragraph to read:

"Two permissive relay circuits, similar to that shown on page 214:6, are provided which operate by pressure switches activated from the turbine #1 nozzle pressure."

In addition, on the Turbine Shrtidown Reactor Scram block diagram No. 9699-FE-26 of the Summary Report, change the indicated sensing point of pressure switch PS418, 418A, 420, & 421 from "1st Stage Shell" to "#1 Nozzle".

