November 14, 1991

Docket No. 50-336

Mr. John F. Opeka
Executive Vice President, Nuclear
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - MILLSTONE, UNIT 2, APPLICATION FOR LICENSE AMENDMENT - FIRE PROTECTION - (TAC NO. 80021)

Science Applications International Corporation (SAIC), under contract to us for the review of your application for amendment dated March 18, 1991, has found the need for additional information in order to complete their review. The enclosed Request for Additional Information identifies the needed information. We request your response within 45 days from receipt of this letter.

The requirements of this letter affect fewer than 10 respondents, and therefore, are not subject to the Office of Management and Budget Review under P.L. 96-511.

Sincerely,

/s/

Guy S. Vissing, Senior Project Manager
Project Directorate I-4
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Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit No. 2

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REQUEST FOR ADDITIONAL INFORMATION

MILLSTONE UNIT 2

TAC No. 80021

1. A new halon fire suppression system was added for the East and West D.C. Switchgear Rooms. An integral part of an automatic halon system is the detection system which provides the actuation signal. Item 4. of Table 3.3-10, Fire detection Instruments (copy attached), addresses a 4.16 kV Switchgear Room, a 480 V East and West Switchgear Room, and an East and West DC Equipment Room. Which one of the rooms listed under Table 3.3-10 item 4. is the East and West D.C. Switchgear Rooms? If not, where is the total and minimum number of channels operable listed and what is the total and minimum number of channels operable?

2. Is the detection sytem which actuates the new halon system a crossed-zone system?

3. What are the surveillance requirements for the detection portion of the new halon system? Are these requirements listed in 3.3.3.7, Fire Detection Instrumentation?

3/4 LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

3/4.0 APPLICABILITY

LIMITING CONDITION FOR OPERATION

3.0.1 Compliance with the Limiting Conditions for Operation contained in the succeeding specifications is required during the OPERATIONAL MODES or other conditions specified therein; except that upon failure to meet the Limiting Conditions for Operation, the associated ACTION requirements shall be met.

3.0.2 Noncompliance with a specification shall exist when the requirements of the Limiting Condition for Operation and associated ACTION requirements are not met within the specified time intervals. If the Limiting Condition for Operation is restored prior to expiration of the specified time intervals, completion of the ACTION requirements is not required.

3.0.3 When a Limiting Condition for Operation is not met, except as provided in the associated ACTION requirements, within one hour ACTION shall be initiated to place the unit in a MODE in which the specification does not apply by placing it, as applicable, in:

1. At least HOT STANDBY within the next 6 hours,
2. At least HOT SHUTDOWN within the following 6 hours, and
3. At least COLD SHUTDOWN within the subsequent 24 hours.

Where corrective measures are completed that permit operation under the ACTION requirements, the ACTION may be taken in accordance with the specified time limits as measured from the time it is identified that a Limiting Condition for Operation is not met. Exceptions to these requirements are stated in the individual specifications.

3.0.4 Entry into an OPERATIONAL MODE or other specified condition shall not be made when the conditions for the Limiting Condition for Operation are not met and the associated ACTION requires a shutdown if they are not met within a specified time interval. Entry into an OPERATIONAL MODE or specified condition may be made in accordance with ACTION requirements when conformance to them permits continued operation of the facility for an unlimited period of time. This provision shall not prevent passage through or to OPERATIONAL MODES as required to comply with ACTION requirements.

3.0.5 When a system, subsystem, train, component or device is determined to be inoperable solely because its emergency power source is inoperable, or solely because its normal power source is inoperable, it may be considered OPERABLE for the purpose of satisfying the requirements of its applicable Limiting Condition for Operation, provided: (1) its corresponding normal or emergency power source is OPERABLE; and (2) all of its redundant system(s), subsystem(s), train(s), component(s) and device(s) are OPERABLE, or likewise satisfy the requirements of this specification. Unless both conditions (1) and (2) are satisfied within 2 hours, ACTION shall be initiated to place the unit in a MODE in which the applicable Limiting Condition for Operation does not apply by placing it, as applicable, in:

TABLE 3.3-10

FIRE DETECTION INSTRUMENTS

Instrument Location (Zone)	Heat		Smoke		
	Total No. of Channels	Minimum Channels Operable	Total No. of Channels	Minimum Channels Operable	
1. Containment					
East Penetration (37)--FLP 3-3	--	--	7	5	—
West Penetration (31)--FLP 3-2	--	--	7	5	
2. Control Room Vent Duct (42) Z-2	--	--	1	1	
Control Room Vent Duct (2) Z-1	--	--	1	1	
3. Cable Vaults & Areas					
Aux. Bldg Cable Vault (25') (10)	5	4	16	12	
Turbine Bldg. Cable Vault (25') (22)	--	--	34	34	—
Turbine Bldg Cable Vault Area (45') (21)	--	--	8	6	
Lunch Room Cable Chase Area (36'6") (24)	--	--	4	3	—
4.16 & 6.9 kV Switchgear Room (54'6") (40)	--	--	4	3	
4.16 kV Switchgear Room (31'6") (18)	--	--	4	3	
480 V West Switchgear Room (36'6") (18)	--	--	2	1	
480 V East Switchgear Room (36'6") (28)	--	--	2	1	
East DC Equipment Room (43 Alarm) (FLP-5)	--	--	6	6	—
West DC Equipment Room (45 Alarm) (FLP-6)	--	--	6	6	
East Cable Vault Ventilation Opening (44) (FLP 7)	--	--	1	1	
West Cable Vault Ventilation Opening (44) (FLP 7)	--	--	1	1	
5. Battery Rooms					
West Battery Room (14'6") (39)	--	--	1	1	
East Battery Room (14'6") (39)	--	--	2	1	
6. Electrical Penetration Rooms					
East (14'6") (20)	--	--	3	2	
West (14'6") (17)	--	--	2	1	

East/West DC Switchgear Room(s) (3.7.9.4)