

DEC 19 1984

Mr. William G. Council  
Senior Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
P. O. Box 270  
Hartford, Connecticut 06141-0270

Dear Mr. Council:

Subject: Request for Additional Information for Millstone Nuclear  
Power Station, Unit 3

Enclosed are requests for additional information which the staff requires to complete its evaluation of SER Outstanding Item (19). Please inform the licensing project manager of your schedule for responding to this request. Responses submitted by February 1, 1985 may be addressed in SSER 1, scheduled to be issued in March, 1985. Responses submitted later will be included in a future SER supplement.

For further information or clarification please contact the Licensing Project Manager, Elizabeth L. Doolittle (301) 492-4911.

Sincerely,

*151*  
B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing

Enclosure:  
As stated

cc: See next page

CONCURRENCES:

*DL LB#1*  
ELDoolittle:es  
*12/16/84*

*[Signature]*  
DL LB#1  
BJYoungblood  
*12/17/84*

DIST:

Docket File  
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PRC System  
NSIC  
Local PDR  
LB#1 Rdg  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

DEC 19 1984

Docket No.: 50-42 :

Mr. William G. Council  
Senior Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
P. O. Box 270  
Hartford, Connecticut 06141-0270

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For further information or clarification please contact the Licensing Project Manager, Elizabeth L. Doolittle (301) 492-4911.

Sincerely,

A handwritten signature in cursive script, appearing to read "B. J. Youngblood".

B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing

Enclosure:  
As stated

cc: See next page

MILLSTONE

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Senior Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
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Hartford, Connecticut 06141-0270

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U. S. Nuclear Regulatory Commission,  
Region I  
King of Prussia, Pennsylvania 19406

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

MILLSTONE NUCLEAR POWER STATION, UNIT 3

NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-423

REQUEST FOR ADDITIONAL INFORMATION  
MILLSTONE NUCLEAR POWER STATION, UNIT 3  
DOCKET NO. 50-423

260.0 Quality Assurance Branch

260.58 Section 17.1.2.2 of the Standard Format (Regulatory Guide 1.70) requires the identification of safety-related structures, systems, and components controlled by the QA program. You are requested to supplement and clarify the Millstone 3 FSAR in accordance with the following:

- a. The following items do not appear on Table 3.2-1. Add the appropriate items to the table and commit to apply the pertinent QA program requirements to the remaining items during the operations phase or justify not doing so.
  1. Biological shielding within the fuel building, auxiliary building, and control building.
  2. Fabricated supports such as Unistrut or Superstrut that are used to support systems and components identified in Regulatory Guide 1.29.
  3. Items that are within the scope of Regulatory Position C.2 and C.3 of Regulatory Guide 1.29.
  4. Fuel assemblies.
  5. Control rods.
  6. Control rod drive mechanisms.
  7. Refueling machine.
  8. Spent fuel shipping cast trolley.
  9. Spent fuel assembly handling tool.
  10. Steam generator main steam flow restrictors.
  11. Vertical concrete seawall.
  12. Quarrystone revetment adjacent to the intake structure.
  13. Station stack.
  14. Modifications to site grading (paving, roads, railroads, etc.).
  15. Modification to roofs of safety-related structures.
  16. Weld rod.
  17. Standby AC auxiliary power systems (Class 1E).

- a. Diesel generator packages including auxiliaries (e.g., lube system, jacket cooling, air start system, governor, voltage regulator and excitation system).
  - b. Instrumentation, control, and power cables (including underground cable system, cable splices, connectors and terminal blocks).
  - c. Conduit and cable trays and their supports.\*
  - d. Valve operators.
  - e. Protective relays and control panels.
  - f. Electrical penetration for containment - vital and non-vital including primary and backup fault current protective devices.
  - g. Emergency lighting battery packs.
  - h. AC vital bus distribution equipment.
18. DC Power Systems (Class 1E)
- a. Cables
  - b. Conduit, cable trays and their supports\*
  - c. Battery racks
  - d. DC switchgear, distribution panels and protective relays.

- b. Page 2 of Table 3.2-1 shows the service water pump cubicles of the circulating and service water pumphouse as QA Category I. Expand this item to identify the associated structures, systems, and components under the control of the QA program.
- c. Attachment 1 of Northeast Utilities letter (Council to Youngblood) of March 22, 1984, addresses QA for certain TMI items identified in Enclosure 2 of NUG-0737. This letter notes that "specific safety-related TMI items are included within their respective systems in FSAR Table 3.2-1." Provide a commitment that the items not listed in FSAR Table 3.2-1 but identified in Attachment 1 (enclosure 5.C) of your March 22, 1984 letter will be subject to the pertinent requirements of the FSAR operational QA program or justify not doing so.

\* Raceway installations containing Class 1E cables and other raceway installations required to meet seismic Category 1 requirements (those whose failure during a seismic event may result in damage to any Class 1E or other safety related system or components).

- d. The Millstone 3 FSAR Section 9.5 and its referenced to the "Fire Protection Evaluation Review" address QA for fire protection, but the commitments therein appear to address QA during design and construction only. Revise the description of the QA program for fire protection to address the operations phase.
- e. Table 3.2-1 does not adequately identify specific ESF equipment used for the mitigation of radiological consequences in the event of a DBA. A specific example of this lack of definition can be found at the middle of page 16 of Table 3.2-1 which lists "Instrumentation and Controls required to perform safety functions for QA Category 1 ventilation systems," without identifying these parts. This same approach holds true for Habitability Systems and Fuel Handling Systems. Clearly identify in Table 3.2-1 the items that are used for the mitigation of DBAs.
- f. In its letter to the NRC of March 22, 1984 (B11027), the applicant states that the Millstone 3 Health Physics Program will be subject to "an extensive internal audit program." Provide assurance that the auditors are independent of NU's Health Physics organization.