

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
FIDYON WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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TO: *Document Control Desk*
NU Quality Assurance Program
Topical Report Holders

August 19, 1985
1101298

FROM: *D.O. Nordquist*
D. O. Nordquist
Manager, NUSCO Quality Assurance

SUBJECT: Revision 7 of the NUQAP Topical Report

Attached is a copy of the complete Revision 7 of the Northeast Utilities Quality Assurance Program (NUQAP) Topical Report. The following steps should be performed to incorporate this revision into your controlled copy of the Topical Report:

1. With the exception of the tabs, remove and destroy all pages from your present copy of the NUQAP Topical Report.
2. Insert each revised section behind its proper tab.
3. Place this letter in the front of the manual (before the "Abstract" tab).
4. Sign and return the lower portion of the attached Transmittal Receipt Form.

If there are any questions concerning this revision, please contact Cliff Libby in Berlin at (203) 665-3385.

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ATTACHMENT

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QUALITY ASSURANCE PROGRAM TOPICAL REPORT / REVISION TRANSMITTAL FORM

TO: HOLDERS OF THE NORTHEAST UTILITIES
QUALITY ASSURANCE PROGRAM TOPICAL
REPORT

DATE August 19, 1985

FROM: MANAGER, QUALITY ASSURANCE
NORTHEAST UTILITIES SERVICE CO
POST OFFICE BOX 270
HARTFORD, CONNECTICUT 06141-0270

NAME: Document Control Desk

COPY NO: 129

SUBJECT: NORTHEAST UTILITIES QUALITY ASSURANCE PROGRAM TOPICAL
REPORT, REVISION(S)

SECTION

PAGE(S)

REVISION NO.

EFFECTIVE DATE

Complete Revision 7 - See Attached Letter 1101298

DETACH HERE

[Signature] 8/16/85
MANAGER, QUALITY ASSURANCE

ABSTRACT
NORTHEAST UTILITIES QUALITY ASSURANCE PROGRAM (NUQAP)
TOPICAL REPORT

Northeast Utilities (NU) has developed and is implementing a comprehensive Quality Assurance Program to assure conformance with established regulatory requirements, set forth by the Nuclear Regulatory Commission (NRC), and accepted industry standards. The participants in the NU Quality Assurance Program assure that the design, procurement, construction, testing, operation, maintenance, repair and modification of nuclear power plants are performed in a safe and effective manner.

The NU Quality Assurance Program (NUQAP) Topical Report complies with the requirements set forth in Appendix B, of 10 CFR Part 50, along with applicable sections of the Safety Analysis Report (SAR) for each license application, and is responsive to the United States NRC Regulatory Guide 1.70, which describes the information required to be presented in the Quality Assurance Section of the SAR's for nuclear power plants.

This NUQAP is also established, maintained and executed with regard to Radioactive Material Transport Packages as allowed by 10 CFR 71.101(f). Quality Assurance provisions for Fire Protection activities are detailed in the Northeast Utilities Fire Protection Program.

The NUQAP is committed to utilize the guidance obtained from the Regulatory documents and their endorsed Standards as referenced in Appendix D of the Topical Report.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
831 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

AUG 09 1985

Docket Nos. 50-213
50-245
50-336
50-423

Northeast Nuclear Energy Company
ATTN: Mr. J. F. Opeka
Senior Vice President - Nuclear
Engineering and Operations Group
Post Office Box 270
Hartford, Connecticut 06141-0270

Gentlemen:

Subject: 10 CFR 50.54(a)/50.55(f) Quality Assurance Program Description
Review - Northeast Utilities Quality Assurance Program Topical
Report (Revision 7) for Haddam Neck Plant, Millstone Nuclear
Power Station, Unit Nos. 1 and 2 (Operation) and Millstone Nuclear
Power Station, Unit No. 3 (Construction)

Reference: J. F. Opeka Letter to Dr. T. E. Murley, dated June 5, 1985

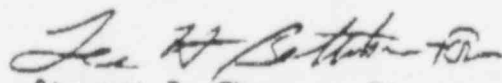
We have received the above referenced letter, submitted per the requirements of 10 CFR 50.54(a)/50.55(f), which documents twenty-two changes to your Quality Assurance Program Topical Report. The Region I staff has reviewed these changes and found them to be acceptable, as they did not reduce your commitments in the Quality Assurance Program previously accepted by the NRC.

Additionally, as documented in the NRC letter dated July 3, 1985, the Office of Inspection and Enforcement staff reviewed the proposed revision for Millstone Unit 3 operations phase and found it to be acceptable.

The effectiveness of your QA Program implementation will continue to be the subject of routine regional inspections.

If you have any questions concerning the above, please contact Madan Dev at (215) 337-5328.

Sincerely,


Stewart D. Ebnetter, Director
Division of Reactor Safety

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cc:

R. Graves, Plant Superintendent
E. J. Mroczka, Vice President, Nuclear Operations
W. D. Romberg, Station Superintendent
D. O. Nordquist, Manager of Quality Assurance
V. Papadopol, Construction Quality Assurance Supervisor
R. T. Laudenat, Manager, Generation Facilities Licensing
Gerald Garfield, Esquire
IE/QUAB
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
State of Connecticut

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203) 665-5000

June 5, 1985

Docket Nos. 50-213

50-245

50-336

50-423

F0574A

Dr. Thomas E. Murley
Regional Administrator
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

- References:
1. W. G. Council letter to T. E. Murley, A03039, dated June 8, 1984.
 2. W. G. Council letter to B. J. Youngblood, "Millstone Nuclear Power Station, Unit No. 3, Transmittal of Amendment 3," dated August 29, 1983.
 3. W. G. Council letter to B. J. Youngblood, "Millstone Nuclear Power Station, Unit No. 3, Response to SER Confirmatory Item 70," dated March 1, 1985.

Dear Dr. Murley:

Haddam Neck Plant
Millstone Nuclear Power Station, Unit Nos. 1, 2 and 3
Annual Reporting of Changes to the Quality Assurance Program
Proposed Revision 7 to the Northeast Utilities
Quality Assurance Program Topical Report

In accordance with 10CFR50.54(a)(3) and 50.55(f)(3), transmitted herewith are three (3) copies of proposed Revision 7 of the Northeast Utilities Quality Assurance Program (NUQAP) Topical Report (Attachment II) submitted for your review and approval. Proposed changes to the Topical Report are indicated by a vertical line in the right-hand margin. The reason and basis for each change are detailed in Attachment I which is arranged in a sequence which coincides with the Topical Report sections. Attachment I does not include minor editorial changes in accordance with 50.54(a)(3)(ii) and 50.55(f)(3)(ii).

Several of the changes to the Topical Report are the result of commitments made in response to the NRC's Requests for Additional Information for the Millstone Nuclear Power Station, Unit No. 3 (References 2 and 3). Changes which are related to specific NRC questions are detailed in Attachment I and are followed by the question number (i.e., Q260.XX).

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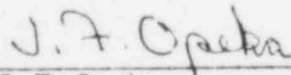
All changes included in proposed Revision 7 of the NUQAP Topical Report have the effect of upgrading our quality assurance program which continues to meet the criteria of 10CFR50 Appendix B.

Please note that the draft NUQAP Topical Report is shown as Revision 7 without a date. This draft will be issued as Revision 7 and dated the same as your effective date of approval when we receive it, or sixty (60) days following this submittal as prescribed in 50.54(a)(3)(iv) and 50.55(f)(3)(iv).

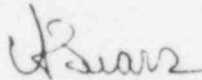
If you have any questions regarding this submittal, please contact Mr. Donald O. Nordquist at (203) 665-5447.

Very truly yours,

NORTHEAST UTILITIES SERVICE COMPANY



J. F. Opeka
Senior Vice President



By: C. F. Sears
Vice President

cc: U.S. NRC Document Control Desk (15 copies)
NRC Region IV Vendor Program Branch (1 copy)
J. Shedlosky - NRC Senior Resident Inspector - Millstone Station (1 copy)
T. Rebelowski - NRC Senior Resident Inspector - Millstone Unit No. 3
(1 copy)
P. Swetland - NRC Senior Resident Inspector - Haddam Neck (1 copy)
D. Lipinski - NRC Resident Inspector - Millstone Station (1 copy)

Attachment I
Summary of Changes to NUQAP Topical Report
Proposed Revision 7

ABSTRACT

- o Deleted the reference to the revision level of Regulatory Guide 1.70. Applicable revisions are detailed in Appendix D.
- o Changed to correct the reference to 10CFR Part 71 due to the reorganization and renumbering of Part 71.

QAP 1.0 ORGANIZATION

- o Paragraphs 1.2.2 and 1.5.1 - Title change for the System Director - Purchasing and Materials Management.
- o Paragraphs 1.2.2, 1.5.2.1, 1.5.2.2, 1.5.2.3.b.4, and 1.5.2.4 - Detail reorganization, changes in title and responsibility within the Information Resources Group. This includes the addition of a Director - Information Resources Administration.
- o Paragraphs 1.4.2, 1.4.2.1.d and 1.4.2.1.e - Revised to reflect the reorganization of the Nuclear Operations Analysis Branch into the Nuclear Materials and Chemistry Branch and the Nuclear Safety Engineering Branch.
- o Paragraph 1.4.2.1.c - Deleted reference to sections and units within the Reliability Engineering Branch for consistency with other organizations described in QAP 1.0.
- o Paragraph 1.4.2.2 - Added details of the organizations within the Environmental Programs Department for consistency with other organizations described in QAP 1.0.
- o Figure 1.2 - Details System Director - Purchasing and Materials Management title change.
- o Figure 1.4 - Changed to reflect the reorganization of the Nuclear Operations Analysis Branch into the Nuclear Materials and Chemistry Branch and the Nuclear Safety Engineering Branch.
- o Figure 1.7 - Changed due to the reorganization of the Information Resources Group.

QAP 2.0 QUALITY ASSURANCE PROGRAM

- o Paragraphs 2.1 and 2.2.3 - Clarification of the applicability of the QA program was made to correct the disagreement between these paragraphs and the first paragraph of Appendix A.

QAP 4.0 PROCUREMENT DOCUMENT CONTROL

- o Paragraph 4.2.1 - Revised to clarify that the latest Quality Assurance program and procedural requirements are applied to the procurement of spare or replacement parts (Q260.33).

QAP 6.0 DOCUMENT CONTROL

- o Paragraph 6.2.2 - Revised to clarify that controlled document acknowledgement of receipt forms are completed and returned (Q260.30).

QAP 10.0 INSPECTION

- o Paragraphs 10.2.2 and 10.2.4 - Added provisions to include accuracy requirements for inspection measuring and test equipment in job packages, inspection procedures, plans, or checklists (Q260.36 and Q260.38).
- o Paragraph 10.2.6 - Revised to clarify that an inspection result evaluation can be performed by qualified personnel outside of the NUSCO/NUPOC QA/QC organizations. This will allow Reactor Engineer evaluation of fuel inspection results and Reliability Engineering evaluation of ISI results.

QAP 12.0 CONTROL OF MEASURING AND TEST EQUIPMENT

- o Paragraph 12.2.1 - Revised to include instruments under the heading of Measuring and Test Equipment.
- o Paragraph 12.2.2 - Revised to remove the distinction between measuring and test equipment and measuring and test instruments.

QAP 16.0 CORRECTIVE ACTION

- o Paragraph 16.2.1 - Revised the responsibility for review and concurrence of corrective action procedures to agree with the procedure review responsibilities of paragraphs 2.2.2 and 5.2.

APPENDIX A CATEGORY I SYSTEMS, STRUCTURES AND COMPONENTS

- o Clarification of the applicability of the QA program was made to correct the disagreement between Appendix A and paragraphs 2.1 and 2.2.3 of QAP 2.0.

APPENDIX C LIST OF TYPICAL QUALITY ASSURANCE RELATED PROCEDURES

- o The appendix was updated to reflect current procedures issued by various organizations within NU.

APPENDIX D REGULATORY GUIDE AND ANSI STANDARD COMMITMENTS

- o The commitment to Regulatory Guide 1.70 was updated to detail the applicable revision for each generating facility.

APPENDIX E GLOSSARY OF QUALITY ASSURANCE TERMS

- o Revised the definition of Measuring and Test Equipment to include fixtures, reference and transfer standards and nondestructive test equipment.