



Northeast
Utilities System

Memo

6/30/99

027-PRG-99

TO: Northeast Utilities Quality Assurance Program Topical Report Controlled
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FROM:

S. Orefice
S. Orefice

SUBJECT: NUQAP Topical Report Revision 20, Change 09

Enclosed is change number 09 to NUQAP revision 20. Please replace the Table of Contents and the entire contents of existing QAP 1.0 and Appendix F; and insert new Appendix G with the enclosed sections.

Change 09 changes are in ***bold and italics*** with a revision bar in the right margin. The footer of the affected section will include a reference to change 09

Insert the summary of changes document in the front of your manual.

If you have any questions, contact R. Fletcher at X4350

Attachments;

1. Summary of changes incorporated as part of revision 20, change 09.

Enclosure:

1. Change 09 to the Northeast Utilities Quality Assurance program Topical Report revision 20.

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Summary of Changes to NUQAP Rev. 20 Incorporated as Change 09

<u>Section</u>	<u>Summary Description of Changes</u>	<u>Reference</u>
QAP 1.0	In section 1.4.2.4.1, delete sentence that assigned the responsibilities of the Audits & Evaluation department to the Director - Nuclear Oversight.	Request 98-20
	In Fig. 1.6, delete note that assigned the responsibilities of the Audits & Evaluation Department to the Director - Nuclear Oversight.	Request 98-20
Appendix F	Add Note 2 to pg. 1.	Request 98-20
	Add the phrase "designated senior officer," "designated officer," or "designated manager," as used in corresponding sections of Technical Specifications, wherever officer and manager titles appear throughout Appendix F, and place previous titles in brackets [].	Request 98-20
	Replace the title "Manager, General Services" with "Director, General Services" in the list of SORC members (page 10).	Request 98-20
	Replace the term "Audits and Evaluation" with "Nuclear Oversight" in first paragraph of Audit Program Responsibilities (page 15).	Request 98-20
	Add the phrase "administrative procedures" in the first paragraph of Audit Program responsibilities and place the previous term "Nuclear Group Procedures" in [] (page 15).	Request 98-20
	In the first paragraph of the "Station Qualified Reviewer Program," add the term "Responsible Individual(s) for the procedure(s)" in [] after the term "designated managers."	Request 98-20
	Delete reference to the Millstone Unit 1 Recovery Officer throughout.	Request 98-20
Appendix G	Add new Appendix G to provide a cross-reference between "generic titles" used in Section 6 of Technical Specifications and unit-specific titles.	Request 98-20

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1.0 ORGANIZATION

1.1 INTRODUCTION

The Chairman, President and Chief Executive Officer of Northeast Utilities (NU) has the ultimate responsibility for the NU Nuclear Program. While retaining full responsibility and overall authority, the Chairman has delegated the necessary authority and responsibility for all nuclear operations to the President and Chief Executive Officer - NU Nuclear Group. The NU Nuclear Group includes the Northeast Utilities Service Company (NUSCO) which provides support services to NU's nuclear plants and the Northeast Nuclear Energy Company (NNECO) which operates Millstone Power Station Nuclear Units 1, 2, and 3. The President and Chief Executive Officer - NU Nuclear Group is also the President of NUSCO and the President and Chief Executive Officer of NNECO.

1.2 GENERAL

1.2.1 The President and Chief Executive Officer - NU Nuclear Group directs specified nuclear related activities within NU and has the ultimate responsibility for the establishment and execution of the NU Quality Assurance Program (NUQAP) for the Millstone Power Station. The President and CEO is overall responsible for engineering, construction, operation, maintenance, modification, and quality assurance for the Station.

1.2.1.1 Responsibilities of the President and Chief Executive Officer relating to the Quality Assurance Program are described in this QA Program Topical Report and applicable NUSCO/NNECO procedures. The President and CEO has contact with quality assurance activities through meetings with the Recovery Officer - Nuclear Oversight, the receipt of various documents such as: periodic progress reports, Nuclear Safety Assessment Board meeting notes, other reports, and audits related to the nuclear program and nuclear plant operations activities at Millstone Power Station.

1.2.1.2 The President and CEO is responsible to assess the scope, status, implementation, and effectiveness of the Millstone Power Station NUQAP. To meet this responsibility, the President and CEO appoints a qualified team of individuals to perform an annual Management Quality Assurance Review. This Management Quality Assurance Review is:

- a) A systematic evaluation;
- b) Preplanned toward the objective of determining the adequacy of the NUQAP and its compliance with Appendix B to 10 CFR 50 and other regulatory requirements;

- c) Capable of identifying, communicating, and tracking any required corrective action;
- d) The team is made up of individuals knowledgeable in quality assurance, quality activities, auditing, management responsibilities, and the Millstone Power Station NUQAP Topical Report.

1.2.1.3 The President and CEO resolves all disputes related to the implementation of this NUQAP for which resolution is not achieved at lower levels within the nuclear organization.

1.3 RESPONSIBILITIES

- 1.3.1 Overall responsibility for the NUQAP is assigned to the Vice President - Nuclear Oversight & Regulatory Affairs (VP - NORA) and Recovery Officer-Nuclear Oversight who reports to the Senior Vice President and Chief Nuclear Officer - Millstone. These responsibilities include: direction of the Quality Assurance Program; implementation of policies, plans, requirements, procedures, and audits; verification to assure compliance with 10 CFR 50 Appendix B and other regulatory requirements; and verification of the implementation of the Millstone Power Station NUQAP Topical Report requirements.
- 1.3.2 The head of each NUSCO/NNECO Department performing quality activities is responsible for:
 - a. Administering those activities within their organization which are required by this NUQAP;
 - b. Ensuring implementation of the Quality Assurance Program;
 - c. Establishing and clearly defining the duties and responsibilities of personnel within their organization who perform quality activities;
 - d. Planning, selecting, and training personnel to meet the requirements of the NUQAP Topical Report;
 - e. Performing and coordinating quality activities within their department and interfacing with the Nuclear Oversight Department.
- 1.3.3 Each individual performing or verifying activities affecting quality is responsible to conduct those activities in accordance with the requirements of this NUQAP and implementing procedures. These individuals shall have direct access to such levels of management as may be necessary to perform this function.

1.3.4 The responsibility, authority, and organizational relationship for performing quality activities within each organization is established and delineated in the NUSCO/NNECO organizational charts, policy statements, and written job or functional descriptions.

1.3.5 Vendors may be delegated the execution of quality assurance functions; however, NU shall retain responsibility for this Quality Assurance Program.

1.4 PARTICIPATING GROUPS - MILLSTONE POWER STATION (Refer to Figure 1.0)

The President and Chief Executive Officer - NU Nuclear Group, reporting to the NU Chairman, President, and Chief Executive Officer, is overall responsible for the development and implementation of this NUQAP. The Nuclear Safety Assessment Board reports to the President and Chief Executive Officer in compliance with Millstone Power Station nuclear unit Technical Specifications or Appendix F. The President and Chief Executive Officer has delegated the necessary authority and has assigned responsibility for development and implementation of this NUQAP for Millstone Power Station to the:

- Vice President NORA & Recovery Officer - Nuclear Oversight,
- Senior Vice President and Chief Nuclear Officer - Millstone,
- Director - Business Services,
- Vice President - Human Services.

1.4.1 The VP NORA & Recovery Officer - Nuclear Oversight is responsible for the preparation and issuance of this NUQAP Topical Report and verification of the implementation of its requirements and compliance with 10 CFR 50, Appendix B and other regulatory requirements by the applicable NUSCO/NNECO Department. Verification is performed through a planned program of audits, surveillances, and inspections by Nuclear Oversight Sections. The VP NORA & Recovery Officer provides management with objective evidence of the performance of quality activities independent of the individual or group directly responsible for performing the specific activity.

The VP NORA & Recovery Officer - Nuclear Oversight has the authority and organizational freedom to verify all activities affecting quality. This is performed independent of undue influences and responsibilities for schedules and costs. The VP NORA & Recovery Officer - Nuclear Oversight has the responsibility and authority to stop unsatisfactory work and control further processing or installation of nonconforming materials. The authority to stop work is assigned to Nuclear Oversight Department personnel and delineated in a NNECO Procedure. The VP NORA & Recovery Officer - Nuclear Oversight also has the responsibility and authority to identify quality problems, to recommend or provide solutions, and to verify their implementation.

The VP NORA & Recovery Officer - Nuclear Oversight is also responsible for the Independent Safety Engineering and Operating Experience Programs.

1.4.2 The Senior Vice President and Chief Nuclear Officer - Millstone (SVP/CNO) has the overall responsibility for the implementation of this NUQAP at the Millstone Station site and is responsible for overall operation of the Station. The Millstone Site Operations Review Committee (SORC) reports to the SVP/CNO in compliance with Millstone Power Station nuclear unit Technical Specifications or Appendix F. The SVP/CNO (refer to Figure 1.0) has delegated the necessary authority and has assigned responsibility for these activities to the:

- Vice President - Operations,
- Vice President - Nuclear Work Services,
- Vice President - Engineering Services
- Vice President - Nuclear Oversight & Regulatory Affairs.
- Manager - Independent Review Team

1.4.2.1 The Vice President - Operations is responsible for establishing common policies and standards pertaining to the operating units, the safe operation of Millstone Units 2 and 3, and implementation of this NUQAP. The Vice President - Operations also acts as the Recovery Officer - MP2. The Vice President - Operations has delegated the necessary authority and has assigned responsibility for the Unit activities to the:

- Unit Director - MP2
- Unit Director - MP3
- Unit 3 Work Control and Outage Director

1.4.2.1.1 The Unit Director - MP2 is responsible for the day-to-day direction and administration of the Unit Operations, Maintenance, Modification, Work Planning, and Radiological Controls activities. The Plant Operations Review Committee (PORC) reports to the Unit Director - MP2 in compliance with Technical Specifications or Appendix F. The Manager - Health Physics reports to the Unit Director - MP2 to provide sufficient organizational freedom and independence from operating pressures as required by the unit Technical Specifications. The Unit Director - MP2 has delegated the necessary authority and assigned responsibility for Unit activities to the (refer to Figure 1.1):

- Manager - Health Physics
- Assistant Unit Director - Nuclear Safety
- Assistant Unit Director - Operations & Maintenance

1.4.2.1.2 The Unit Director - MP3 is responsible for the day-to-day direction and administration of the Unit Operations, Maintenance, Modification, Work Planning, and Radiological Controls activities. The Plant Operations Review Committee (PORC) reports to the Unit Director - MP3 in compliance with Technical Specifications or Appendix F. The Manager - Health Physics reports to the Unit Director - MP3 to provide sufficient organizational freedom and independence from operating pressures as required by the unit Technical Specifications. The Unit Director - MP3 has delegated the necessary authority and assigned responsibility for Unit activities to the (refer to Figure 1.2):

- Assistant Unit Director - Nuclear Safety
- Manager - Health Physics
- Manager - MP3 Maintenance
- Manager - MP3 Operations

1.4.2.1.3 The Unit 3 Work Control and Outage Director is responsible for the planning, scheduling and execution of all physical work associated with direct support of Unit 3, both on-line and during outages.

1.4.2.2 The Vice President - Nuclear Work Services has responsibility for implementation of this NUQAP in providing work related services in support of the Station. The Vice President - Nuclear Work Services (refer to Figure 1.3) has delegated the necessary authority and has assigned responsibility for these activities to the:

- Director - Nuclear Services,
- Director - Information Technology,
- Director - Nuclear Materials and Document Management
- Director - General Services,
- Manager - Nuclear Contracts Administration
- Director - Unit Operations MP1
- Director - MP1 Decommissioning
- Manager - Environmental Services

1.4.2.2.1 The Director - Nuclear Services is responsible for the day-to-day direction and administration of Construction Support, Waste Management, Health Physics Support, Facilities Maintenance, and Testing Services for plant operations. The Director - Nuclear Services is also responsible for project management for the Station nuclear units.

- 1.4.2.2.2 The Director - Information Technology is responsible for the day-to-day direction and administration of Computer Services Support, including the Quality Software Program.
- 1.4.2.2.3 The Director - Nuclear Materials and Document Management is responsible for the day-to-day direction and administration of Millstone Power Station Stores, Procurement Engineering, and Documents/Records management activities. The Director - Nuclear Materials and Document Management is also responsible for the approval and oversight of vendors that provide quality related material and services including source and receipt inspection.
- 1.4.2.2.4 The Director - General Services is responsible for the day-to-day direction and administration of Station Security, Medical, Safety, and Fire Protection activities.
- 1.4.2.2.5 The Manager - Nuclear Contracts Administration is responsible for setting policy and for the day-to-day direction and administration of the Nuclear Contract Group.
- 1.4.2.2.6 The Director - Unit Operations MP1 is responsible for the day to day direction and administration of the Unit Operations, Maintenance, Modification, Work Planning, and Radiological Controls activities. The Plant Operations Review Committee (PORC) reports to the Director - Unit Operations MP1 in compliance with Technical Specifications or Appendix F. The Manager of Health Physics reports to the Director - Unit Operations MP1 to provide sufficient organizational freedom and independence from operating pressures as required by the Unit Technical Specifications. The Director - Unit Operations MP1 has delegated the necessary authority and assigned responsibility for the Unit activities to the (refer to Figure. 1.4):
- Manager - Operations
 - Manager - Work Management
 - Manager - Support Services
 - Manager - Chemistry
 - Manager - Health Physics
- 1.4.2.2.7 The Director - MP1 Decommissioning is responsible for the overall direction of decommissioning and dismantling activities for Millstone nuclear station Unit

1, including development of the decommissioning plan, contract development and oversight of contractors.

1.4.2.3 The Vice President - Engineering Services has responsibility for implementation of this NUQAP in providing work related engineering services in support of the station. The Vice President - Engineering Services (refer to Figure 1.5) has delegated the necessary authority and has assigned responsibility for these activities to the:

- Director - Nuclear Engineering
- Director - Engineering MP3
- Director - Engineering MP2
- Manager - Engineering MP1
- Director - Engineering Programs

1.4.2.3.1 The Director - Nuclear Engineering is responsible for the day-to-day direction and administration of Nuclear Fuels, Radiological Engineering and Assessment, Radwaste Engineering, Probabilistic Risk Assessment, and Safety Analysis activities. The Director-Nuclear Engineering is also responsible for the Engineering Assurance Program, and the administration of the Design and Configuration Control Program and the Design Control Manual for the Station nuclear units.

1.4.2.3.2 The Director - Engineering Programs is responsible for technical support for various areas such as materials engineering, chemistry, and Condition-Based Maintenance.

1.4.2.3.3 The Director - Engineering MP3 is responsible for technical support, systems engineering and design engineering functions and supporting activities.

1.4.2.3.4 The Director - Engineering MP2 is responsible for technical support, systems engineering and design engineering functions and supporting activities.

1.4.3.5 The Manager - Engineering MP1 is responsible for technical support, systems engineering and design engineering functions and supporting activities.

1.4.2.4 The Vice President - Nuclear Oversight & Regulatory Affairs (VP - NORA) is responsible for the effective performance of all departments within the Nuclear Oversight and Regulatory Affairs functions. The VP - NORA acts as advisor to the President and Chief Executive Officer and to the SVP/CNO on items related to nuclear quality and safety for Millstone Station. The VP - NORA (refer to Figure 1.6) has delegated the necessary authority and responsibility for these activities to the:

- Director - Nuclear Oversight
- Recovery Officer Technical Services
- Manager - Regulatory Affairs

1.4.2.4.1 The Director - Nuclear Oversight is responsible for the effective performance of activities related to Quality Control Inspections, Quality Assurance assessments including auditing, and Nuclear Safety Engineering for Millstone Station.. The Director - Nuclear Oversight has delegated the necessary authority and responsibility for these activities to the:

- Manager - Nuclear Safety Engineering
- Manager - Operations & Maintenance Assessment
- Manager - Engineering & Site Programs Assessment
- Manager - Quality Control

1.4.2.4.1.1 The Manager - Nuclear Safety Engineering is responsible for the Independent Safety Engineering, Operating Experience review, and Human Factors review functions.

1.4.2.4.1.2 The Manager - Operations & Maintenance Assessment is responsible for oversight of operations and maintenance activities including 10CFR50, Appendix B audits and other assessments of quality related activities.

1.4.2.4.1.3 The Manager - Engineering & Site Programs Assessment is responsible for oversight of engineering and other site program activities including 10CFR50, Appendix B audits and other assessments of quality related activities.

1.4.2.4.1.4 The Manager - Quality Control is responsible for activities associated with the field inspection and verification of physical work activities including modifications pertaining to safety related or augmented quality structures, systems, or components.

1.4.2.4.2 The Manager - Regulatory Affairs is responsible for interfacing with the NRC and for establishing, implementing, and overseeing the nuclear regulatory policies, programs, and processes at Millstone Station, including the day-to-day direction and administration of the department.

1.4.2.4.3 The Recovery Officer - Technical Services is responsible for the development and maintenance of the Corrective Action program and for MP2 regulatory compliance activities. The Recovery Officer - Technical Services (refer to Figure 1.6) has delegated the necessary authority and has assigned responsibility for these activities to the:

- Director - Corrective Actions
- Recovery Director - MP2 Regulatory Compliance

1.4.2.4.3.1 The Director - Corrective Actions is responsible for the development and maintenance of the Corrective Action Program implemented for the Station including reporting of program performance indicators, analysis and identification of trends, and identification of necessary preemptive corrective action as required.

1.4.2.4.3.2 The Recovery Director - MP2 Regulatory Compliance is responsible for the day-to-day direction of the Unit 2 Regulatory Compliance activities.

1.4.2.5 The Manager - Independent Review Team is responsible for conducting in depth and critical reviews of selected topics and events of critical importance to nuclear safety and/or organizational success.

1.4.3. The Director - Business Services is responsible for the direction and administration of financial reporting and accounting, the performance

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indicators for Millstone, developing the Strategic Business Plan, Performance Plan and Incentive Plans, and performance of the financial regulation, budget services, and industry relations, all in support of nuclear operations.

- 1.4.4 The Vice President - Human Services has responsibility for the Employee Concerns and Nuclear Training Programs, and implementation of this NUQAP in providing Emergency Planning and Support Services to the Millstone Power Station. The Vice President - Human Services has delegated the necessary authority and has assigned responsibility for these activities to the (refer to Figure 1.7) :

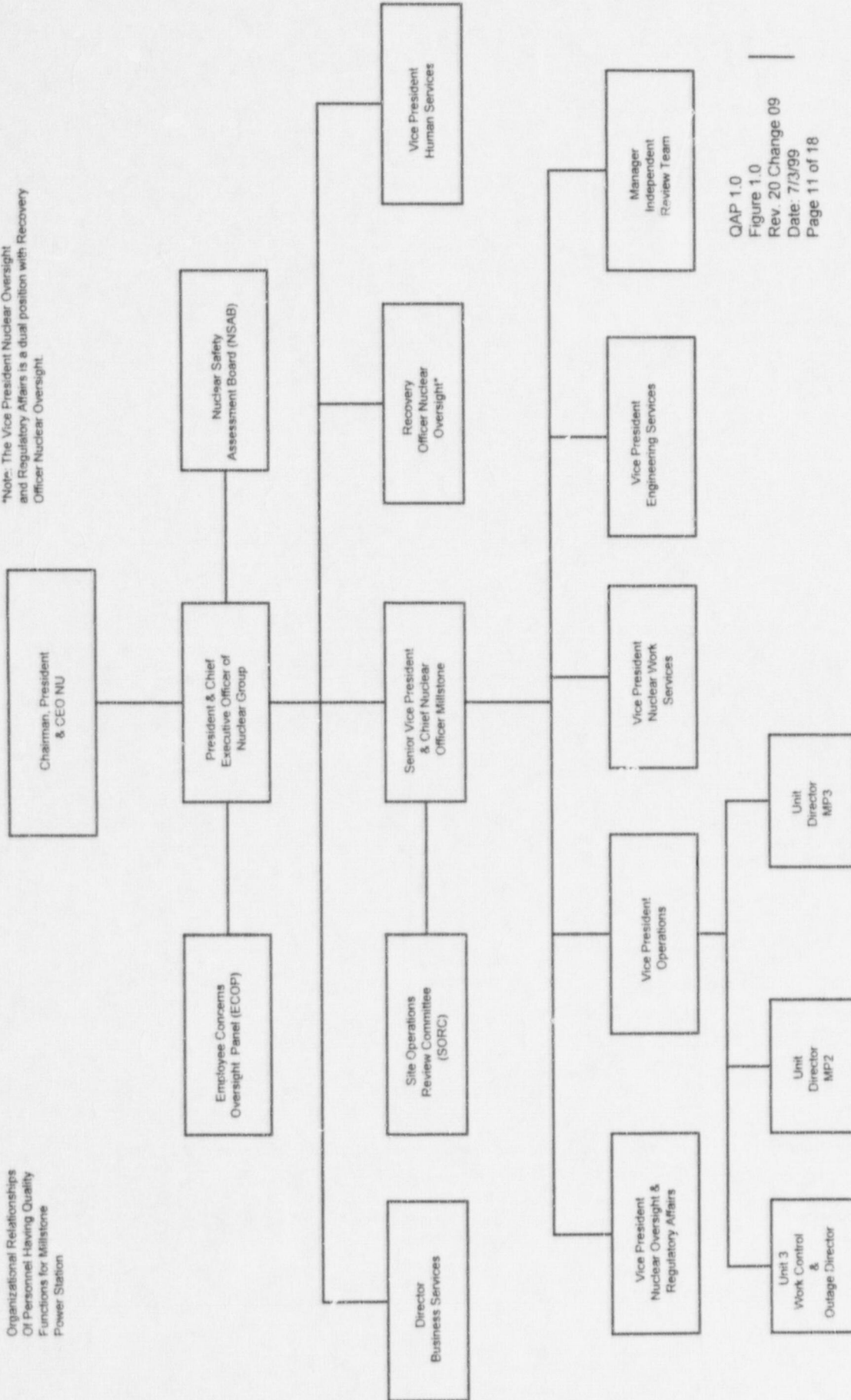
- Director - Nuclear Training Services,
- Manager - Emergency Planning.
- Director - Employee Concerns

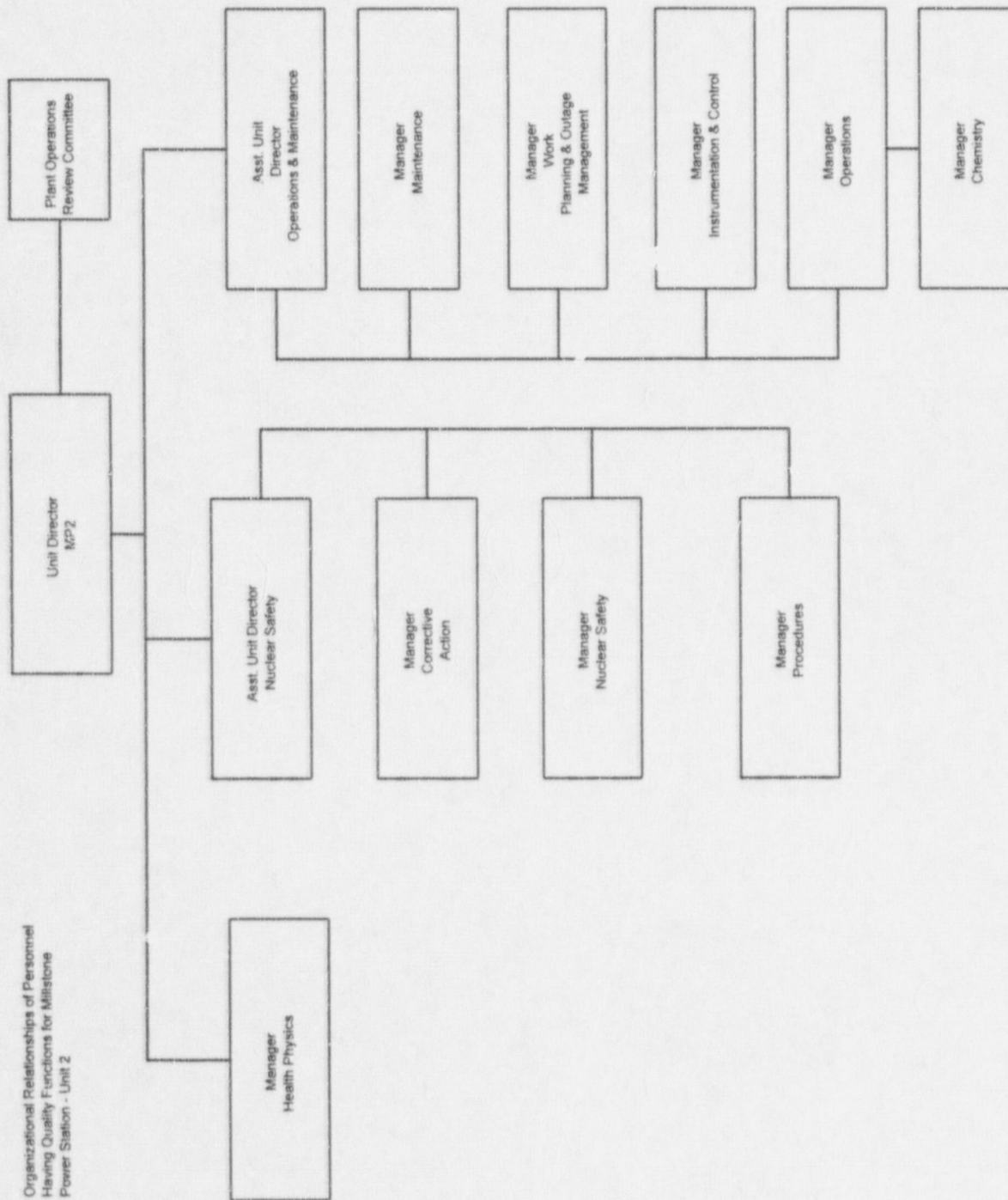
1.4.4.1 The Director - Nuclear Training Services is responsible for the day-to-day direction and administration of Nuclear Training and related support services. The Manager of Operator Training reports directly to the Director of Nuclear Training to provide sufficient organizational freedom and independence from operating pressures as required by the unit Technical Specifications.

1.4.4.2 The Manager - Emergency Planning is responsible for the development and maintenance of the on site Radiological Emergency Plan and the development and coordination of required off site Radiological Emergency Response Plans.

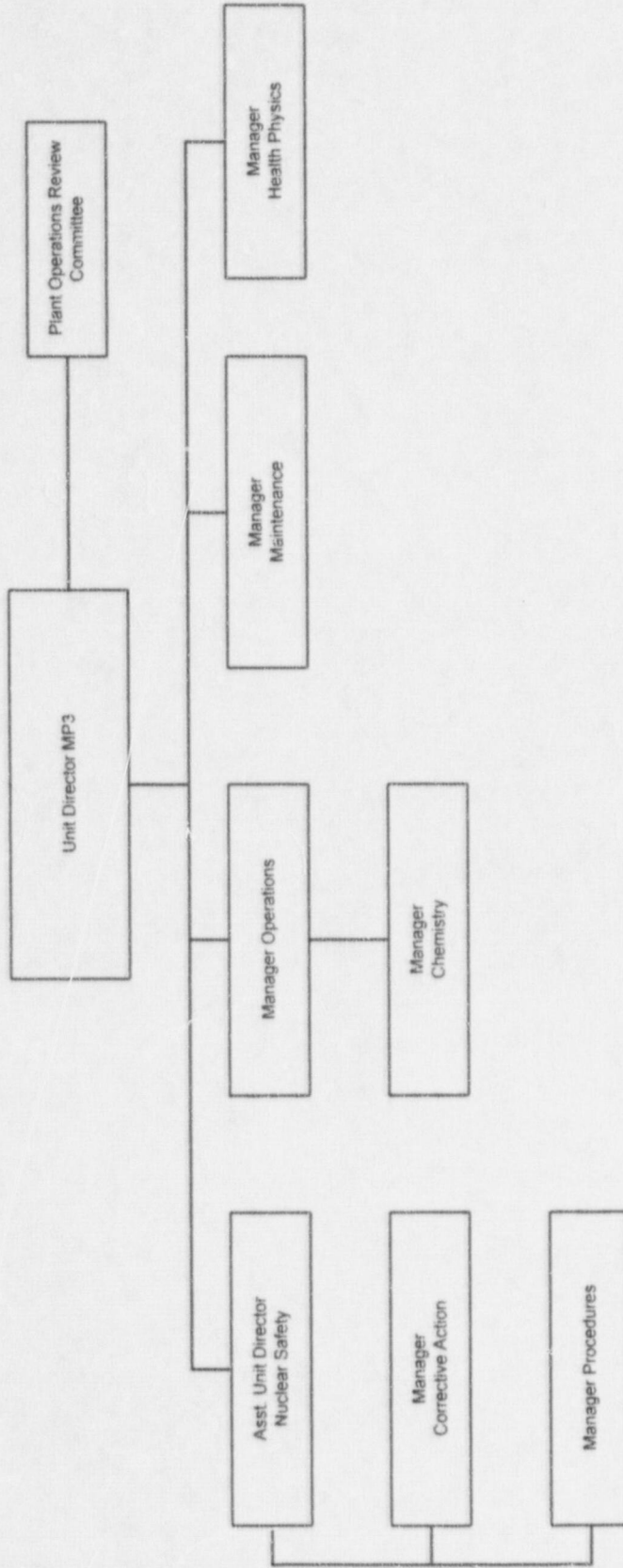
1.4.4.3 The Director - Employee Concerns Program is responsible for the day-to-day direction and administration of the Employee Concerns Program. The Director - Employee Concerns Program assures that nuclear safety concerns receive appropriate management attention and concerns are addressed in a timely manner.

*Note: The Vice President Nuclear Oversight
and Regulatory Affairs is a dual position with Recovery
Officer Nuclear Oversight.



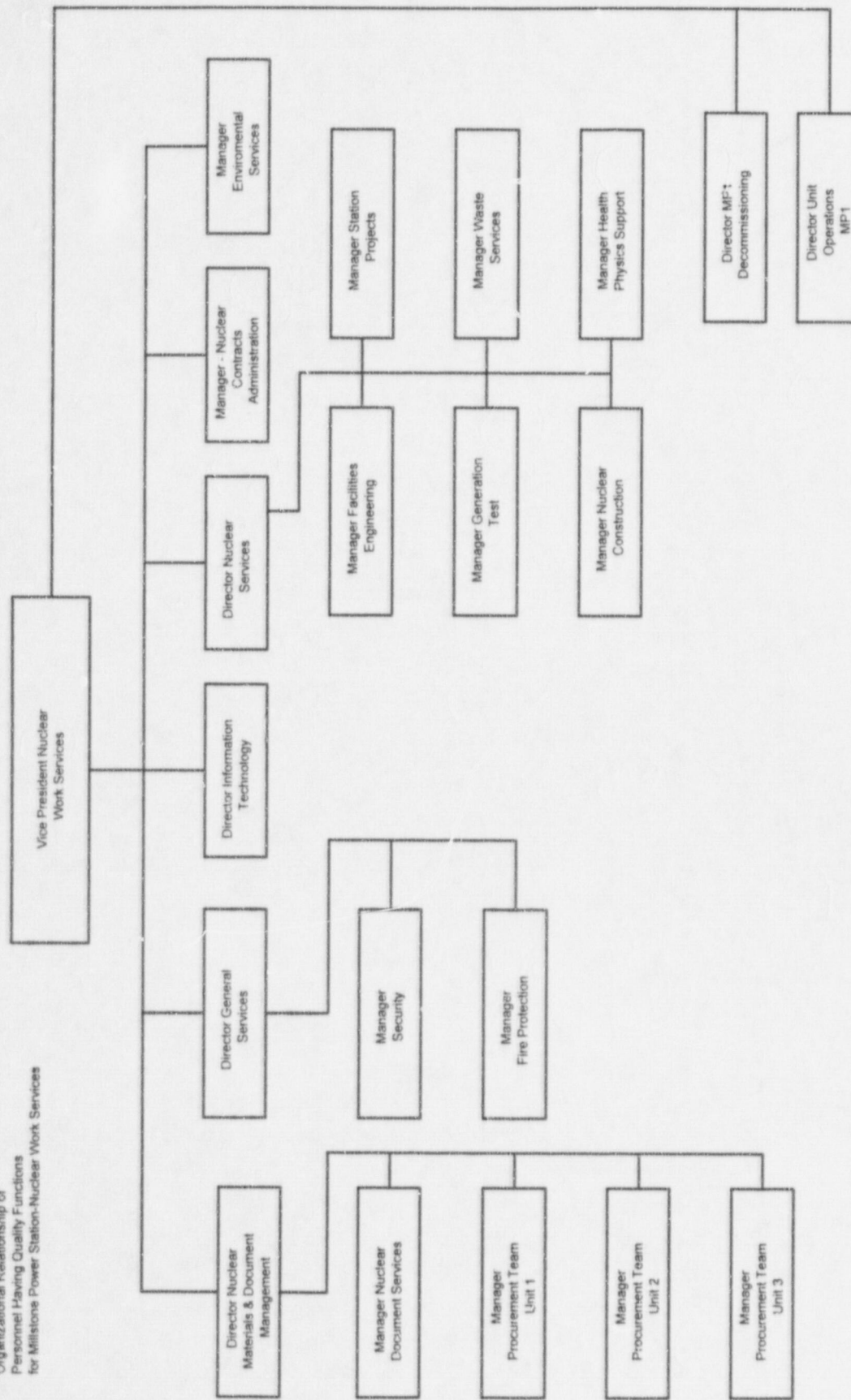


Organizational Relationships of
Personnel Having Quality Functions
for Millstone Power Station - Unit 3

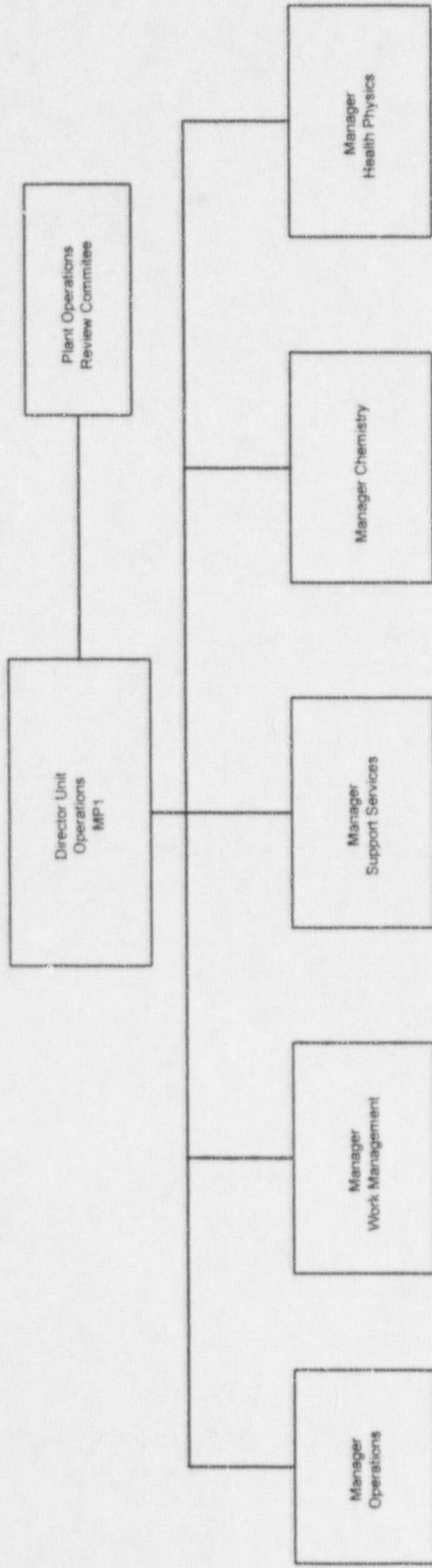


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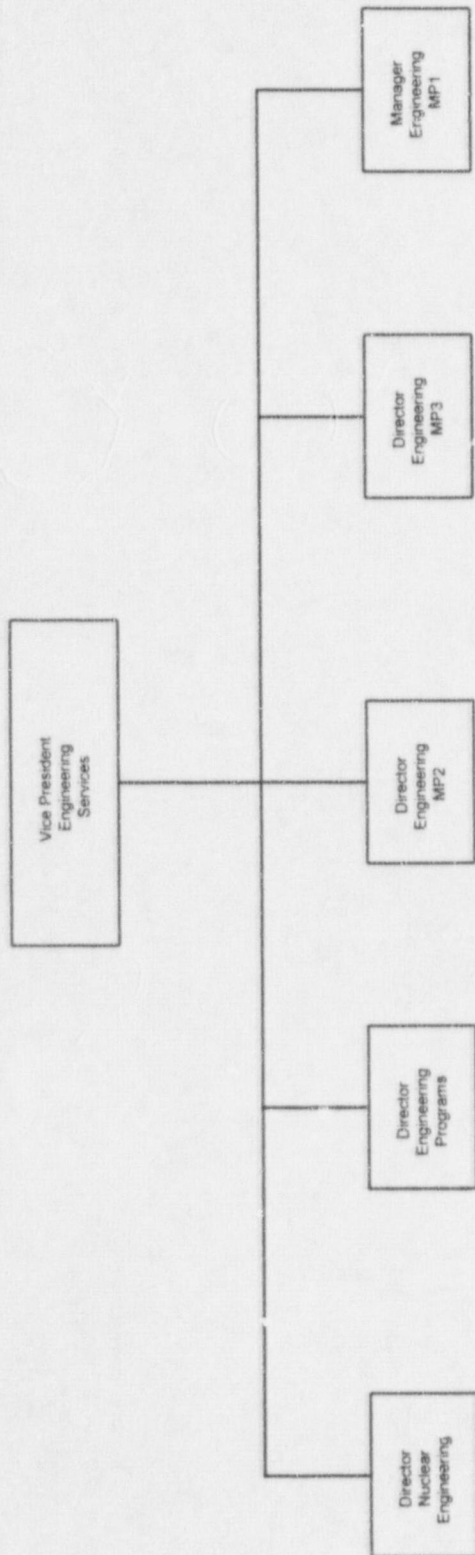
Organizational Relationship of
Personnel Having Quality Functions
for Millstone Power Station-Nuclear Work Services



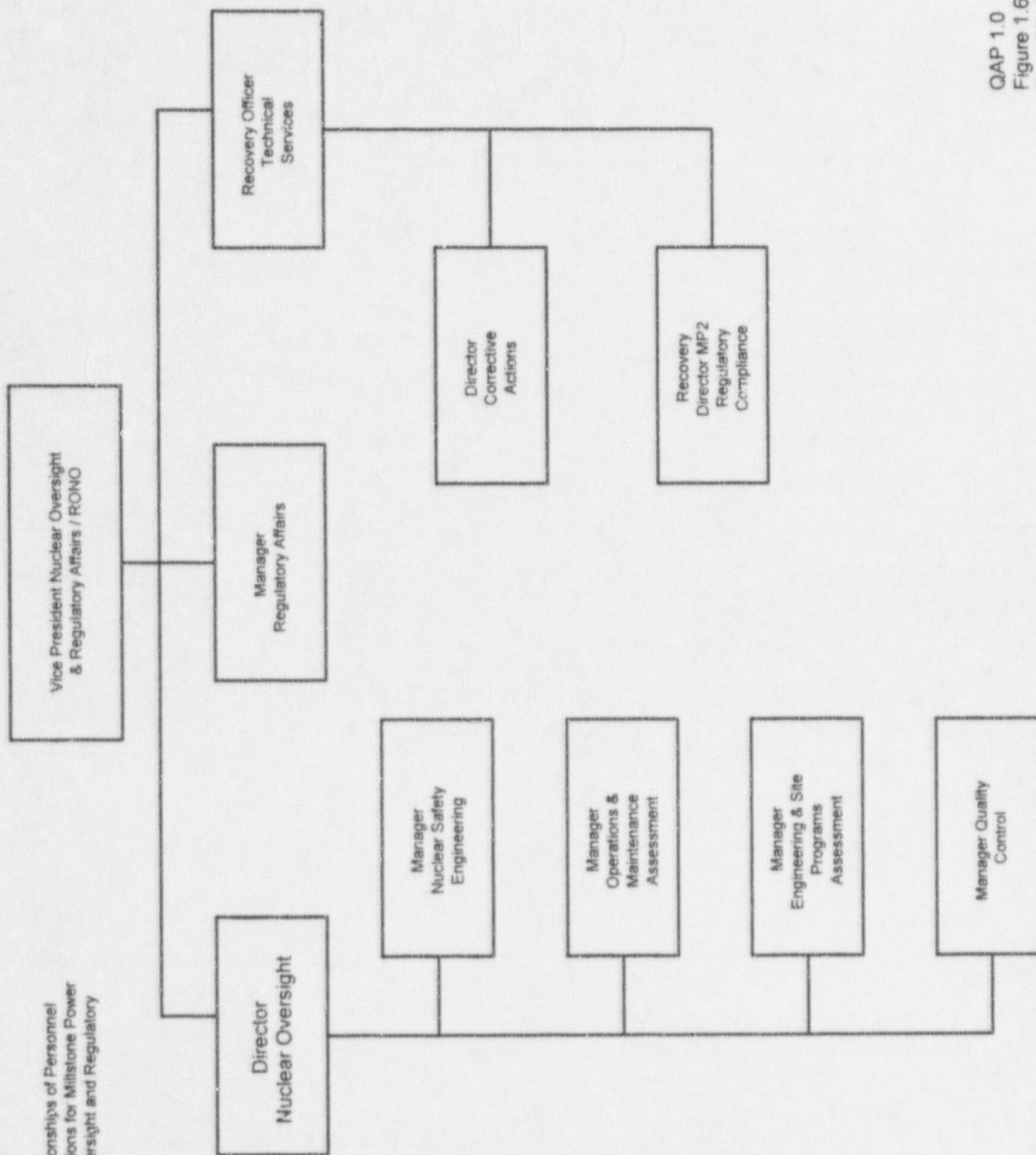
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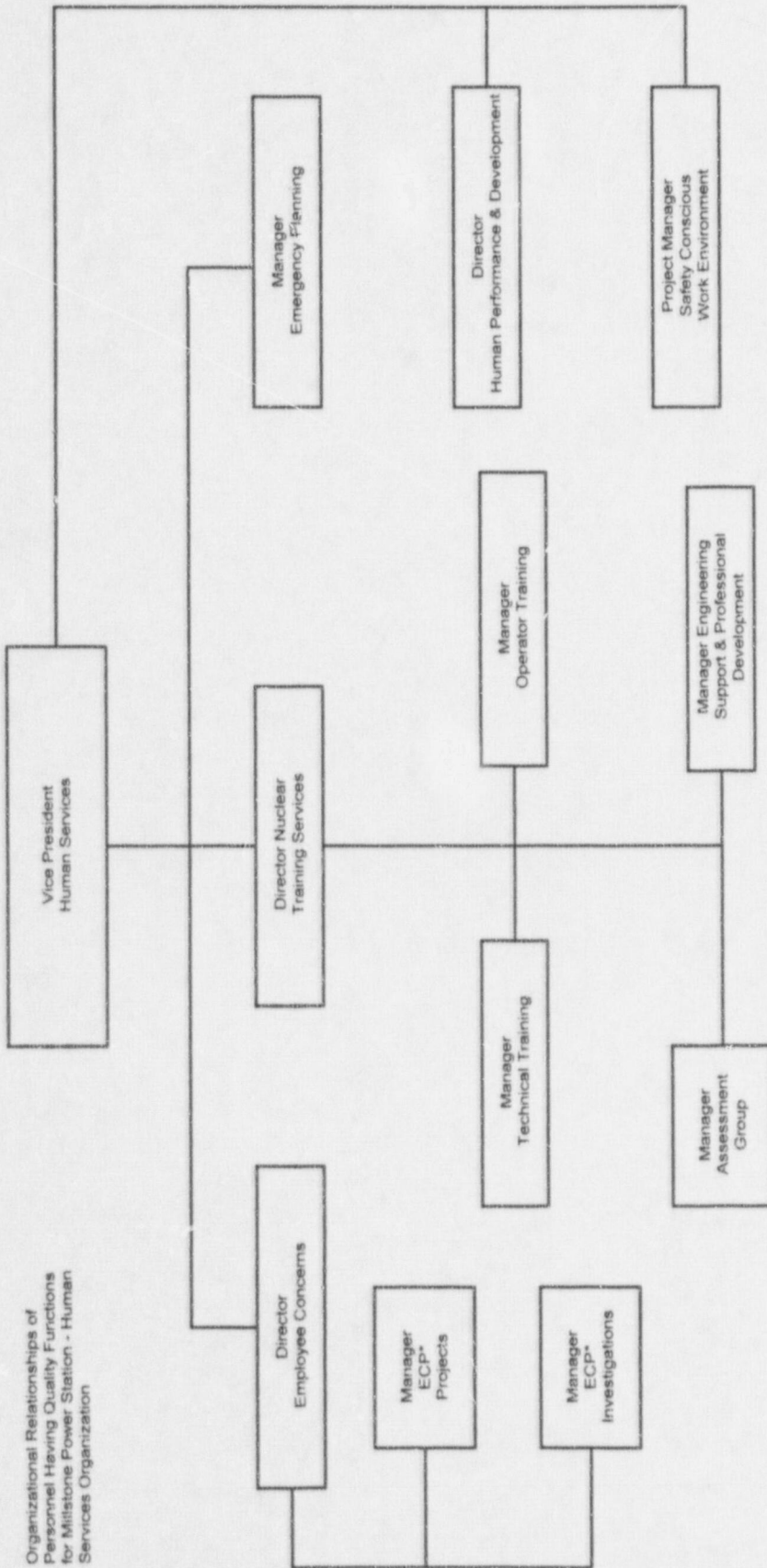
Organizational Relationships of Personnel Having
Quality Functions for Millstone Power Station -
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Organizational Relationships of
Personnel Having Quality Functions
for Millstone Power Station - Human
Services Organization



* ECP-Employee Concerns
Program

APPENDIX F
NORTHEAST UTILITIES QUALITY ASSURANCE PROGRAM (NUQAP)
TOPICAL REPORT - MILLSTONE POWER STATION

ADMINISTRATIVE CONTROLS¹

NOTE:

1. "Specification" numbers refer to the unit specific Technical Specification.
2. *Unit specific titles are given in [] for generic titles used in Technical Specifications.*

INDEPENDENT SAFETY ENGINEERING GROUP (ISEG) - Unit 3 Only

Function

The ISEG shall include, as part of its function, examination of unit operating characteristics, NRC issuances, industry advisories, Licensee Event Reports, and other sources of unit design and operating experience information, including units of similar design, which may indicate areas for improving unit safety. The ISEG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities, or other means of improving unit safety to appropriate station/corporation management.

Composition

The ISEG shall be composed of at least four full-time personnel located on site to perform the functions described above for Millstone Unit 3. Each person shall have either:

- (1) A bachelor's degree in engineering or related science and at least 2 years of professional level experience in his field, at least 1 year of which experience shall be in the nuclear field, or,
- (2) At least 10 years of professional level experience in his field, at least 5 years of which experience shall be in the nuclear field.

A minimum of 50% of these personnel shall have the qualifications specified in (1) above.

Responsibilities

The ISEG shall be responsible for maintaining surveillance of unit activities to provide independent verification* that these activities are performed correctly and that human errors are reduced as much as practical.

Records

Records of activities performed by the ISEG shall be prepared and maintained, and quarterly reports of completed safety evaluations will be made to the Vice President-Nuclear Oversight.

*Not responsible for sign-off function

REVIEW AND AUDIT

Plant Operation Review Committee (PORC) - Unit 1 Only

Function

The PORC shall function to advise the *designated manager* [Director - Unit Operations] on all matters related to nuclear safety.

Composition

The PORC shall be composed of nine to eleven members. Members shall collectively have experience and expertise in the following areas:

- Plant Operations
- Engineering
- Reactor Engineering
- Maintenance
- Instrumentation and Controls
- Health Physics
- Chemistry
- Work Planning
- Quality Assurance

The minimum qualifications of PORC members shall be that all members have an academic degree in an engineering or physical science field, or hold a management position, and have a minimum of five years technical experience in their respective field of expertise. The members of PORC shall be

appointed in writing by the **designated manager** [Director - Unit Operations]. The Chairperson and alternate Chairperson of the PORC shall be drawn from the PORC members and be appointed in writing by the **designated manager** [Director - Unit Operations].

Alternates

Alternate members shall be appointed in writing by the PORC Chairperson to serve on a temporary basis; however, no more than two alternates shall participate in PORC activities at any one time.

Meeting Frequency

The PORC shall meet at least once per calendar month and as convened by the PORC Chairperson.

Quorum

A quorum of the PORC shall consist of the Chairperson, or Vice Chairperson, and four members including alternates.

Responsibilities

The PORC shall be responsible for:

- a. Review of 1) all procedures, except common site procedures, required by Specification 6.8 and changes thereto, 2) all programs, except common site programs, required by Specification 6.8 and changes thereto, 3) any other proposed procedures, programs, or changes thereto as determined by the **designated manager** [Director - Unit Operations] to affect nuclear safety. Procedures and programs required by Specification 6.8 that are designated for review and approval by the Station Qualified Reviewer Program do not require PORC review.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Sections 1.0 - 5.0 of the Technical Specifications.
- d. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety.

- e. Investigation of all violations of the Technical Specifications and preparation and forwarding of a report covering evaluation and recommendations to prevent recurrence to the **designated officer** [Senior Vice President and CNO - Millstone] and to the Chairperson of the Nuclear Safety Assessment Board.
- f. Review of all REPORTABLE EVENTS.
- g. Review of facility operations to detect potential safety hazards.
- h. Performance of special reviews and investigations and reports thereon as requested by the Chairperson of the Nuclear Safety Assessment Board.
- i. Render determinations in writing if any item considered under (a) through (d) above, as appropriate and as provided by 10CFR50.59 or 10CFR50.92, constitutes an unreviewed safety question or requires a significant hazards consideration determination.
- j. Review of the unit-specific Fire Protection Program and implementing procedure.

Authority

The PORC shall:

- a. Recommend to the **designated manager** [Director - Unit Operations] written approval or disapproval of items considered under Responsibilities (a) through (d) above.
- b. Provide immediate written notification to the **designated officer** [Senior Vice President and CNO - Millstone] and the Chairperson of the Nuclear Safety Assessment Board of disagreement between the PORC and the **designated manager** [Director - Unit Operations]; however, the **designated manager** [Director - Unit Operations] shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1.

Records

The PORC shall maintain written minutes of each meeting and copies shall be provided to the **designated officer** [Senior Vice President and CNO - Millstone] and the Chairperson of the Nuclear Safety Assessment Board.

Plant Operations Review Committee (PORC) - Unit 2 Only

Function

The PORC shall function to advise the **designated manager** [Unit 2 Unit Director] on all matters related to nuclear safety.

Composition

The PORC shall be composed of nine to eleven members. Members shall collectively have experience and expertise in the following areas:

- Plant Operations
- Engineering
- Reactor Engineering
- Maintenance
- Instrumentation and Controls
- Health Physics
- Chemistry
- Work Planning
- Quality Assurance

The minimum qualifications of PORC members shall be that all members have an academic degree in an engineering or physical science field, or hold a management position, and have a minimum of five years technical experience in their respective field of expertise. The members of PORC shall be appointed in writing by the **designated manager** [Unit 2 Unit Director]. The Chairperson and alternate Chairperson of the PORC shall be drawn from the PORC members and be appointed in writing by the **designated manager** [Unit 2 Unit Director].

Alternates

Alternate members shall be appointed in writing by the PORC Chairperson to serve on a temporary basis; however, no more than two alternates shall participate in PORC activities at any one time.

Meeting Frequency

The PORC shall meet at least once per calendar month and as convened by the PORC Chairperson.

Quorum

A quorum of the PORC shall consist of the Chairperson, or Vice Chairperson, and four members including alternates.

Responsibilities

The PORC shall be responsible for:

- a. Review of 1) all procedures, except common site procedures, required by Specification 6.8 and changes thereto, 2) all programs, except common site programs, required by Specification 6.8 and changes thereto, 3) any other proposed procedures, programs, or changes thereto as determined by the **designated manager** [Unit 2 Unit Director] to affect nuclear safety. Procedures and programs required by Specification 6.8 that are designated for review and approval by the Station Qualified Reviewer Program do not require PORC review.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Sections 1.0 - 5.0 of the Technical Specifications.
- d. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety.
- e. Investigation of all violations of the Technical Specifications and preparation and forwarding of a report covering evaluation and recommendations to prevent recurrence to the **designated officer** [Senior Vice President and CNO - Millstone] and to the Chairperson of the Nuclear Safety Assessment Board.
- f. Review of all REPORTABLE EVENTS.
- g. Review of facility operations to detect potential safety hazards.

- h. Performance of special reviews and investigations and reports thereon as requested by the Chairperson of the Nuclear Safety Assessment Board.
- i. Render determinations in writing if any item considered under (a) through (d) above, as appropriate and as provided by 10CFR50.59 or 10CFR50.92, constitutes an unreviewed safety question or requires a significant hazards consideration determination.
- j. Review of the fire protection program and implementing procedure.

Authority

The PORC shall:

- a. Recommend to the **designated manager** [Unit 2 Unit Director] written approval or disapproval of items considered under Responsibilities (a) through (d) above.
- b. Provide immediate written notification to the **designated officer** [Senior Vice President and CNO - Millstone, Millstone Unit 2 Recovery Officer] and the Chairperson of the Nuclear Safety Assessment Board of disagreement between the PORC and the **designated manager** [Unit 2 Unit Director]; however, the **designated manager** [Unit 2 Unit Director] shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1.

Records

The PORC shall maintain written minutes of each meeting and copies shall be provided to the Senior Vice President and CNO - Millstone and Chairperson of the Nuclear Safety Assessment Board.

Plant Operations Review Committee (PORC) - Unit 3 Only

Function

The PORC shall function to advise the **designated manager** [Unit 3 Unit Director] on all matters related to nuclear safety.

Composition

The PORC shall be composed of nine to eleven members. Members shall collectively have experience and expertise in the following areas:

- Plant Operations
- Engineering
- Reactor Engineering
- Maintenance
- Instrumentation and Controls
- Health Physics
- Chemistry
- Work Planning
- Quality Assurance

The minimum qualifications of PORC members shall be that all members have an academic degree in an engineering or physical science field, or hold a management position, and have a minimum of five years technical experience in their respective field of expertise. The members of PORC shall be appointed in writing by the **designated manager** [Unit 3 Unit Director]. The Chairperson and alternate Chairperson of the PORC shall be drawn from the PORC members and be appointed in writing by the **designated manager** [Unit 3 Unit Director].

Alternates

All alternate members shall be appointed in writing by the PORC Chairperson to serve on a temporary basis; however, no more than two alternates shall participate as voting members in PORC activities at any one time.

Meeting Frequency

The PORC shall meet at least once per calendar month and as convened by the PORC Chairperson.

Quorum

The quorum of the PORC shall consist of the Chairperson or Vice Chairperson and four members including alternates.

Responsibilities

The PORC shall be responsible for:

- a. Review of: (1) all procedures, except common site procedures, required by Specification 6.8 and changes thereto, 2) all programs, except common site programs required by Specification 6.8 and changes thereto, and (3) any other proposed procedures, programs or changes thereto as determined by the **designated manager** [Unit 3 Unit Director] to affect nuclear safety. Procedures and programs required by Specification 6.8 that are designated for review and approval by the Station Qualified Reviewer Program do not require PORC review.
- b. Review of all proposed tests and experiments that affect nuclear safety;
- c. Review of all proposed changes to Sections 1.0-5.0 of the Technical Specifications;
- d. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety;
- e. Investigation of all violations of the Technical Specifications, including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence, to the **designated officer** [Senior Vice President and CNO - Millstone] and to the Chairperson of the Nuclear Safety Assessment Board;
- f. Review of all REPORTABLE EVENTS;
- g. Review of facility operations to detect potential safety hazards;
- h. Performance of special reviews, investigations, or analyses and reports thereon as requested by the Chairperson of the Nuclear Safety Assessment Board.
- i. Render determinations in writing if any item considered under (a) through (d) above, as appropriate and as provided by 10CFR50.59 or 10CFR50.92, constitutes an unreviewed safety question, or requires a significant hazards consideration determination.
- j. Review of Unit Turbine Overspeed Protection Maintenance and Testing Program and revision thereto.

- k. Review of the Fire Protection Program and implementing procedures.

Authority

The PORC shall:

- a. Recommend to the **designated manager** [Unit 3 Unit Director] written approval or disapproval of items considered under Responsibilities a. through d. above; and
- b. Provide written notification to the **designated officer** [Senior Vice President and CNO - Millstone] and the Chairperson of the Nuclear Safety Assessment Board of disagreement between the PORC and the **designated manager** [Unit 3 Unit Director]; however, the **designated manager** [Unit 3 Unit Director] shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1.

Records

The PORC shall maintain written minutes of each meeting and copies shall be provided to the **designated officer** [Senior Vice President and CNO - Millstone] and the Chairperson of the Nuclear Safety Assessment Board.

Site Operations Review Committee (SORC)

Function

The SORC shall function to advise the **designated officer** [Senior Vice President and CNO - Millstone] on all matters related to nuclear safety of the entire Millstone Station Site.

Composition

The SORC shall be composed of the:

- Chairperson: **Designated Officer** [Senior Vice President and CNO Millstone]
- Member: **Unit 1 Designated Manager** [Director, Unit Operations]
- Member: **Unit 2 Designated Manager** [Unit 2 Unit Director]
- Member: **Unit 3 Designated Manager** [Unit 3 Unit Director]
- Member: **Designated Manager, Nuclear Services** [Director, Nuclear Services]
- Member: **Designated Manager, General Services** [Director, General Services]
- Member: Designated Member of Unit 1 PORC [Designated Member of Unit 1 PORC]

- Member: Designated Member of Unit 2 PORC [Designated Member of Unit 2 PORC]
- Member: Designated Member of Unit 3 PORC [Designated Member of Unit 3 PORC]
- Member: Designated Member of Nuclear Oversight [Designated Member of Nuclear Oversight]

The senior **designated Unit manager** [Unit Director/Director, Unit Operations] in attendance shall be the Vice-Chairperson.

Alternates:

Alternate members shall be appointed in writing by the SORC Chairperson to serve on a temporary basis; however, no more than two alternates shall participate in SORC activities at one time.

Meeting Frequency

The SORC shall meet at least once per six months and as convened by the SORC Chairperson.

Quorum

A quorum of the SORC shall consist of the Chairperson or Vice Chairperson and five members including alternates.

Responsibilities

The SORC shall be responsible for:

- a. Review of 1) all common site procedures required by Specification 6.8 and changes thereto, 2) all common site programs, required by Specification 6.8 and changes thereto, 3) any other proposed procedures, programs, or changes thereto as determined by the **designated officer** [Senior Vice President and CNO - Millstone] to affect site nuclear safety. Common site programs and procedures required by Specification 6.8 that are designated for review and approval by the Station Qualified Reviewer Program do not require SORC review.
- b. Review of all proposed changes to Section 6.0 "Administrative Controls" of the Technical Specifications.
- c. Performance of special reviews and investigations and reports as requested by the Chairperson of the Nuclear Safety Assessment Board.

- d. Not used.
- e. Not used.
- f. Review of all common site proposed tests and experiments that affect nuclear safety.
- g. Review of all common site proposed changes or modifications to systems or equipment that affect nuclear safety.
- h. Render determinations in writing or meeting minutes if any item considered under (a) through (g) above, as appropriate and as provided by 10CFR50.59 or 10CFR50.92, constitutes an unreviewed safety question or requires a significant hazards consideration determination.
- i. Review of the common site fire protection program and implementing procedures.

Authority

The SORC shall:

- a. Recommend to the **designated officer** [Senior Vice President and CNO - Millstone] written approval or disapproval in meeting minutes of items considered under Responsibilities (a) through (g) above.
- b. Provide immediate written notification or meeting minutes to the **designated senior officer** [President and Chief Executive Officer (CEO)] and the Chairperson of the Nuclear Safety Assessment Board of disagreement between the SORC and the **designated officer** [Senior Vice President and CNO - Millstone]; however, the **designated senior officer** [Senior Vice President and CNO - Millstone] shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1.

Records

The SORC shall maintain written minutes of each meeting and copies shall be provided to the **designated officer** [Senior Vice President and CNO - Millstone] and Chairperson of the Nuclear Safety Assessment Board.

Nuclear Safety Assessment Board (NSAB)

Function

The minimum qualifications of NSAB members are as follows:

- a. The Chairperson and NSAB members shall have:
 1. An academic degree in an engineering or physical science field, or hold a senior management position, and
 2. A minimum of five years technical experience in their respective field of expertise.
- b. The NSAB shall have experience in and shall function to provide independent oversight review and audit of designated activities in the areas of:
 1. Nuclear power plant operations;
 2. Nuclear engineering;
 3. Chemistry and radiochemistry;
 4. Metallurgy;
 5. Instrumentation and control;
 6. Radiological safety;
 7. Mechanical and electrical engineering; and
 8. Quality assurance practices.

The NSAB serves to advise the **designated senior officer** [President and CEO] on matters related to nuclear safety and notify the **designated senior officer** [President and CEO] within 24 hours of a safety significant disagreement between the NSAB and the organization or function being reviewed.

Composition

The **designated senior officer** [President and CEO] shall appoint, in writing, a minimum of seven members to the NSAB and shall designate from this membership, in writing, a Chairperson and a Vice Chairperson. The membership shall function to provide independent review and audit in the areas listed in Function (b) above.

Alternates

All alternate members shall be appointed, in writing, by the **designated senior officer** [President and CEO]; however, no more than two alternates shall participate as members in NSAB activities at any one time.

Meeting Frequency

The NSAB shall meet at least once per calendar quarter.

Quorum

The quorum of the NSAB shall consist of a majority of NSAB members including the Chairperson or Vice Chairperson. No more than a minority of the quorum shall have line responsibility for operation of the same Northeast Utilities' nuclear unit. No more than two alternates shall be appointed as members at any meeting in fulfillment of the quorum requirements.

Review Responsibilities

The NSAB shall be responsible for the review of:

- a. The safety evaluations for changes to procedures, equipment, or systems, and tests or experiments completed under the provisions of 10 CFR 50.59, to verify that such actions did not constitute an unreviewed safety question as defined in 10 CFR 50.59;
- b. Proposed changes to procedures, equipment, or systems that involve an unreviewed safety question as defined in 10 CFR 50.59;
- c. Proposed tests or experiments that involve an unreviewed safety question as defined in 10 CFR 50.59;
- d. Proposed changes to Technical Specifications and the Operating License;
- e. Violations of applicable codes, regulations, orders, license requirements, or internal procedures having nuclear safety significance;
- f. All Licensee Event Reports required by 10 CFR 50.73;
- g. Indications of significant unanticipated deficiencies in any aspect of design or operation of structures, systems, or components that could affect nuclear safety;
- h. Significant accidental, unplanned, or uncontrolled radioactive releases, including corrective actions to prevent recurrence;

- i. Significant operating abnormalities or deviations from normal and expected performance of equipment that could affect nuclear safety;
- j. The performance of the corrective action program; and
- k. Audits and audit plans.

Reports or records of these reviews shall be forwarded to the **designated senior officer** [President and CEO] within 30 days following completion of the review.

Audit Program Responsibilities

The NSAB audit program shall be the responsibility of the **Nuclear Oversight** Department. NSAB audits shall be performed at least once per 24 months in accordance with **administrative procedures** [Nuclear Group Procedures] and shall encompass:

- a. The conformance of unit operation to provisions contained within the Technical Specifications and applicable license conditions;
- b. The training and qualifications of the unit staff;
- c. The implementation of all programs required by Specification 6.8;
- d. The Fire Protection Program and implementing procedures.
- e. The fire protection equipment and program implementation utilizing either a qualified offsite license fire protection engineer or an outside independent fire protection consultant.
- f. Actions taken to correct deficiencies occurring in equipment, structures, systems, components, or method of operation that affect nuclear safety; and
- g. Other activities and documents as requested by the **designated senior officer** [President and CEO].

Records

Written records of reviews and audits shall be maintained. As a minimum these records shall include:

- a. Results of the activities conducted under the provisions of this NSAB Section;

- b. Recommended approval or disapproval of items considered under PORC, Responsibilities (a) through (d) and Specification 6.8; and
- c. Determination as to whether each item considered under PORC, Responsibilities (a), (b), and (d), and Specification 6.8 constitute an unreviewed safety question as defined in 10 CFR 50.59.

Station Qualified Reviewer Program

Function

The **designated manager** [Unit 1 only - Director, Unit Operations; Unit 2 only - Unit 2 Unit Director; Unit 3 only - Unit 3 Unit Director], **designated officer** [Millstone Unit 2 Recovery Officer], or **designated senior officer** [Senior Vice President and CNO - Millstone] may establish a Station Qualified Reviewer Program whereby required reviews of designated procedures or classes of procedures required by PORC, Responsibilities item (a), and SORC, Responsibilities item (a) are performed by Station Qualified Reviewers and approved by **designated managers [Responsible Individual(s) for the procedure(s)]**. These reviews are in lieu of reviews by the PORC or SORC. However, procedures which require a 10CFR50.59 evaluation must be reviewed by the PORC or SORC.

Responsibilities

The Station Qualified Reviewer Program shall:

- a. Provide for the review of designated procedures, programs, and changes thereto by a Qualified Reviewer(s) other than the individual who prepared the procedure, program, or change.
- b. Provide for cross-disciplinary review of procedures, programs, and changes thereto when organizations other than the preparing organization are affected by the procedure, program, or change.
- c. Ensure cross-disciplinary reviews are performed by a Qualified Reviewer(s) in affected disciplines, or by other persons designated by cognizant Managers or Directors as having specific expertise required to assess a particular procedure, program, or change. Cross-disciplinary reviewers may function as a committee.
- d. Provide for a screening of designated procedures, programs and changes thereto to determine if an evaluation should be performed in accordance with the provisions of 10CFR50.59 to verify that an unreviewed safety question does not exist. This screening will be performed by personnel trained and qualified in performing 10CFR50.59 evaluations.

- e. Provide for written recommendation by the Qualified Reviewer(s) to the responsible Manager for approval or disapproval of procedures and programs considered under PORC, Responsibilities item (a) and SORC, Responsibilities item (a), and that the procedure or program was screened by a qualified individual and found not to require a 10 CFR 50.59 evaluation.

If the responsible manager determines that a new program, procedure, or change thereto requires a 10 CFR 50.59 evaluation, that Manager will ensure the required evaluation is performed to determine if the new procedure, program, or change involves an unreviewed safety question. The new procedure, program, or change will then be forwarded with the 10 CFR 50.59 evaluation to PORC or SORC for review.

Personnel recommended to be Station Qualified Reviewers shall be designated in writing by the **designated manager** [Unit 1 only - Director, Unit Operations; Unit 2 only - Unit 2 Unit Director; Unit 3 only - Unit 3 Unit Director] or **designated officer** [Millstone Unit 2 Recovery Officer or Senior Vice President and CNO - Millstone] for each procedure, program, or class of procedure or program within the scope of the Station Qualified Reviewer Program.

Temporary procedure changes shall be made in accordance with Specification 6.8.3 with the exception that changes to procedures for which reviews are assigned to Qualified Reviewers will be reviewed and approved as described in Responsibilities (a) through (e) above.

Records

The review of procedures and programs performed under the Station Qualified Reviewer Program shall be documented in accordance with administrative procedures.

Training and Qualification

The training and qualification requirements of personnel designated as a Qualified Reviewer in accordance with the Station Qualified Reviewer Program shall be in accordance with administrative procedures. Qualified reviewers shall have:

- a. A Bachelors degree in engineering, related science, or technical discipline, and two years of nuclear power plant experience;

OR

- b. Six years of nuclear power plant experience;

OR

- c. An equivalent combination of education and experience as approved by a Department Manager.

SAFETY LIMIT VIOLATION - Units 2 and 3 Only

The Senior Vice President and CNO - Millstone and the Chairperson of the NSAB shall be notified within 24 hours in the event a Safety Limit is violated.

The Safety Limit Violation Report shall be submitted to the Commission, the Chairperson of the NSAB, and the Senior Vice President and CNO - Millstone, within 14 days of the violations.

RECORD RETENTION - Units 1 and 2

- (1) The following records shall be retained for at least five years:
 - a. Records and logs of facility operation covering time interval at each power level.
 - b. Records and logs of principal maintenance activities, inspections, repair and replacement of principal items of equipment related to nuclear safety.
 - c. All REPORTABLE EVENTS.
 - d. Records of surveillance activities, inspections, and calibrations required by these technical specifications.
 - e. Records of reactor tests and experiments.
 - f. Records of changes made to operating procedures.
 - g. Records of radioactive shipments.
 - h. Records of sealed source leak tests and results.
 - i. Records of annual physical inventory of all sealed source material of record.
- (2) The following records shall be retained for the duration of the facility operating license:
 - a. Records and drawing changes reflecting facility design modifications made to systems and equipment described in the Final Safety Analysis Report.

- b. Records of new and irradiated fuel inventory, fuel transfers, and assembly burnup histories.
- c. Records of facility radiation and contamination surveys.
- d. Records of radiation exposure for all individuals entering radiation control areas.
- e. Records of gaseous and liquid radioactive material released to the environs.
- f. Records of transients or operational cycles for those facility components designed for a limited number of transients or cycles.
- g. Records of training and qualification for current members of the plant staff.
- h. Records of inservice inspections performed pursuant to the Technical Specifications.
- i. Records of quality assurance activities required by the QA Manual.
- j. Records of reviews performed for changes made to procedures or equipment or reviews of tests and experiments pursuant to 10 CFR Part 50.59.
- k. Records of meetings of the PORC, the NSAB, and the SORC.
- l. Records of Environmental Qualification which are covered under the provisions of Specification 6.13 (Unit 2 Only).
- m. Records of Environmental Qualification (Unit 1 Only).
- n. Records of reviews performed for changes made to the Radiological Effluent Monitoring and Offsite Dose Calculation Manual (REMDCM) and the Process Control Program.

RECORD RETENTION - Unit 3 Only

- (1) In addition to the applicable record retention requirements of Title 10, Code of Federal Regulations, the following records shall be retained for at least the minimum period indicated.
- (2) The following records shall be retained for at least five years:
 - a. Records and logs of unit operation covering time interval at each power level;

- b. Records and logs of principal maintenance activities, inspections, repair and replacement of principal items of equipment related to nuclear safety;
- c. All REPORTABLE EVENTS;
- d. Records of surveillance activities, inspections, and calibrations required by Technical Specifications;
- e. Records of changes made to the procedures required by Specifications 6.8.1;
- f. Records of radioactive shipments;
- g. Records of sealed source and fission detector leak tests and results; and
- h. Records of annual physical inventory of all sealed source material of record.

(3) The following records shall be retained for the duration of the unit Operating License:

- a. Records and drawing changes reflecting unit design modifications made to systems and equipment described in the Final Safety Analysis Report;
- b. Records of new and irradiated fuel inventory, fuel transfers, and assembly burnup histories;
- c. Records of radiation exposure for all individuals entering radiation control areas;
- d. Records of gaseous and liquid radioactive material released to the environs;
- e. Records of transient or operational cycles for those unit components identified in Technical Specifications Table 5.7-1
- f. Records of reactor tests and experiments;
- g. Records of training and qualification for current members of the unit staff;
- h. Records of inservice inspections performed pursuant to the Technical Specifications;
- i. Records of quality assurance activities required by the Quality Assurance Topical Report not listed in (2) a. through (2) h. above;

- j. Records of reviews performed for changes made to procedures or equipment or reviews of tests and experiments pursuant to 10 CFR Part 50.59;
- k. Records of meetings of the PORC, the NSAB, and the SORC;
- l. Records of the service lives of all hydraulic and mechanical snubbers required by Technical Specifications 3.7.10 including the date at which the service life commences and associated installation and maintenance records;
- m. Records of secondary water sampling and water quality; and
- n. Records of analyses required by the Radiological Environmental Monitoring Program that would permit evaluation of the accuracy of the analysis at a later date. This should include procedures effective at specified times and QA records showing that these procedures were followed.
- o. Records of reviews performed for changes made to the Radiological Effluent Monitoring and Offsite Dose Calculation Manual (REMODOCM) and the Process Control Program.

¹ Relocation of Technical Specification Administrative Controls Related to Quality Assurance in Response to AL 95-06.

APPENDIX G
TECHNICAL SPECIFICATION POSITION CROSS REFERENCE

MILLSTONE UNIT 1

T.S. SECTION	T.S. POSITION	STATIC / ORGANIZATION POSITION
Responsibility		
6.1.1	Designated Officer Designated Manager	Sr. Vice President and CNO - Millstone Director - Unit Operations
Organization		
6.21b Offsite and onsite organizations	Designated Manager	Director - Unit Operations
6.21c Offsite and onsite organizations	Designated Officer	Sr. Vice President and CNO - Millstone
Review and Audit		
6.5.1.1 Function	Designated Manager	Director - Unit Operations
6.5.1.2 Composition	Designated Manager	Director - Unit Operations
6.5.1.6a Responsibilities	Designated Manager	Director - Unit Operations
6.5.1.6e Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.1.7a Authority	Designated Manager	Director - Unit Operations
6.5.1.7b Authority	Designated Officer Designated Manager Designated Manager	Sr. Vice President and CNO - Millstone Director - Unit Operations Director - Unit Operations
6.5.1.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Site Operations Review Committee (SORC)		
6.5.2.1 Function	Designated Officer	Sr. Vice President and CNO - Millstone

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.5.2.2 Membership	Designated Officer Unit 1 Designated Manager Unit 2 Designated Manager Unit 3 Designated Manager Designated Manager, Nuclear Services Designated Manager, General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight	Sr. Vice President and CNO - Millstone Director - Unit Operations Unit Director - Unit 2 Unit Director - Unit 3 Director - Nuclear Services Director - General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight
6.5.2.2. Vice Chairperson	Senior Designated Unit Manager	Senior Unit Director or Director - Unit Operations
6.5.2.6a Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7a Authority	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7b	Designated Senior Officer Designated Officer Designated Senior Officer	President and CEO Sr. Vice President and CNO - Millstone Sr. Vice President and CNO - Millstone
6.5.2.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Nuclear Safety Assessment Board (NSAB)		
6.5.3.1 Function	Designated Senior Officer	President and CEO
6.5.3.2 Composition	Designated Senior Officer	President and CEO
6.5.3.3 Alternates	Designated Senior Officer	President and CEO
6.5.3.6 Review Responsibilities	Designated Senior Officer	President and CEO
6.5.3.7 Audit Program Responsibilities	Administrative Procedures	Nuclear Group Procedures
6.5.3.7g Audit Program Responsibilities	Designated Senior Officer	President and CEO
Station Qualified Reviewer Program		
6.5.4.1 Function	Designated Manager Designated Officer Designated Senior Officer	Director - Unit Operations (Not Applicable for MP1) Sr. Vice President and CNO - Millstone
6.5.4.2 SQR Procedure Approval	Designated Managers	Responsible Individual(s) for the procedure(s)

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.5.4.4	Designated Manager Designated Officer	Director - Unit Operations Sr. Vice President and CNO - Millstone
Reportable Event Action		
6.6.1b	Designated Officer	Sr. Vice President and CNO - Millstone
Procedures		
6.8.2a	Designated Manager Designated Officer Designated Senior Officer	Director - Unit Operations (Not applicable for MP1) Sr. Vice President and CNO - Millstone
6.8.2b	Designated Manager Designated Officer	Director - Unit Operations Sr. Vice President and CNO - Millstone
6.8.2c	Designated Manager Designated Officer	Director - Unit Operations Sr. Vice President and CNO - Millstone
6.8.3c	Designated Manager Designated Officer	Director - Unit Operations Sr. Vice President and CNO - Millstone
Radiological Effluent Monitoring and Offsite Dose Calculation Manual (REMOCM)		
6.15b	Designated Officer	Sr. Vice President and CNO - Millstone

Notes:

- Generic position titles are as approved by Amendment No. 105 to the Unit 1 Technical Specifications.

MILLSTONE UNIT 2

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
Responsibility		
6.1.1	Designated Officer Designated Manager	Sr. Vice President and CNO - Millstone Unit Director
Organization		
6.21b Offsite and onsite organizations	Designated Manager	Unit Director
6.21c Offsite and onsite organizations	Designated Officer	Sr. Vice President and CNO - Millstone
Review and Audit		
6.5.1.1 Function	Designated Manager	Unit Director
6.5.1.2 Composition	Designated Manager	Unit Director
6.5.1.6a Responsibilities	Designated Manager	Unit Director
6.5.1.6e Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.1.7a Authority	Designated Manager	Unit Director
6.5.1.7b Authority	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.1.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Site Operations Review Committee (SORC)		
6.5.2.1 Function	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.2 Membership	Designated Officer Unit 1 Designated Manager Unit 2 Designated Manager Unit 3 Designated Manager Designated Manager, Nuclear Services Designated Manager, General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight	Sr. Vice President and CNO - Millstone Director - Unit Operations Unit Director - Unit 2 Unit Director - Unit 3 Director - Nuclear Services Director - General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.5.2.2. Vice Chairperson	Senior Designated Unit Manager	Senior Unit Director or Director - Unit Operations
6.5.2.6a Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7a Authority	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7b	Designated Senior Officer	President and CEO
	Designated Officer	Sr. Vice President and CNO - Millstone
	Designated Senior Officer	Sr. Vice President and CNO - Millstone
6.5.2.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Nuclear Safety Assessment Board (NSAB)		
6.5.3.1 Function	Designated Senior Officer	President and CEO
6.5.3.2 Composition	Designated Senior Officer	President and CEO
6.5.3.3 Alternates	Designated Senior Officer	President and CEO
6.5.3.6 Review Responsibilities	Designated Senior Officer	President and CEO
6.5.3.7 Audit Program Responsibilities	Administrative Procedures	Nuclear Group Procedures
6.5.3.7g Audit Program Responsibilities	Designated Senior Officer	President and CEO
Station Qualified Reviewer Program		
6.5.4.1 Function	Designated Manager	Unit Director
	Designated Officer	Recovery Officer - MP2
	Designated Senior Officer	Sr. Vice President and CNO - Millstone
6.5.4.1 SQR Procedure Approval	Designated Managers	Responsible Individual(s) for the procedure(s)
6.5.4.4	Designated Manager	Unit Director
	Designated Officer	Sr. Vice President and CNO - Millstone
Reportable Event Action		
6.6.1b	Designated Officer	Sr. Vice President and CNO - Millstone
Procedures		
6.8.2a	Designated Manager	Unit Director
	Designated Officer	Recovery Officer - MP2
	Designated Senior Officer	Sr. Vice President and CNO - Millstone

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.8.2b	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
6.8.2c	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
6.8.3c	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
Radiological Effluent Monitoring and Offsite Dose Calculation Manual (REMODOCM)		
6.15b	Designated Officer	Sr. Vice President and CNO - Millstone

Notes:

- Generic position titles are as approved by Amendment No. 235 to the Unit 2 Technical Specifications.

MILLSTONE UNIT 3

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
Responsibility		
6.1.1	Designated Officer Designated Manager	Sr. Vice President and CNO - Millstone Unit Director
Organization		
6.21b Offsite and onsite organizations	Designated Manager	Unit Director
6.21c Offsite and onsite organizations	Designated Officer	Sr. Vice President and CNO - Millstone
Review and Audit		
6.5.1.1 Function	Designated Manager	Unit Director
6.5.1.2 Composition	Designated Manager	Unit Director
6.5.1.6a Responsibilities	Designated Manager	Unit Director
6.5.1.6e Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.1.7a Authority	Designated Manager	Unit Director
6.5.1.7b Authority	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.1.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Site Operations Review Committee (SORC)		
6.5.2.1 Function	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.2 Membership	Designated Officer Unit 1 Designated Manager Unit 2 Designated Manager Unit 3 Designated Manager Designated Manager, Nuclear Services Designated Manager, General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight	Sr. Vice President and CNO - Millstone Director - Unit Operations Unit Director - Unit 2 Unit Director - Unit 3 Director - Nuclear Services Director - General Services Designated Member of Unit 1 PORC Designated Member of Unit 2 PORC Designated Member of Unit 3 PORC Designated Member of Nuclear Oversight

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.5.2.2. Vice Chairperson	Senior Designated Unit Manager	Senior Unit Director or Director - Unit Operations
6.5.2.6a Responsibilities	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7a Authority	Designated Officer	Sr. Vice President and CNO - Millstone
6.5.2.7b	Designated Senior Officer	President and CEO
	Designated Officer	Sr. Vice President and CNO - Millstone
	Designated Senior Officer	Sr. Vice President and CNO - Millstone
6.5.2.8 Records	Designated Officer	Sr. Vice President and CNO - Millstone
Nuclear Safety Assessment Board (NSAB)		
6.5.3.1 Function	Designated Senior Officer	President and CEO
6.5.3.2 Composition	Designated Senior Officer	President and CEO
6.5.3.3 Alternates	Designated Senior Officer	President and CEO
6.5.3.6 Review Responsibilities	Designated Senior Officer	President and CEO
6.5.3.7 Audit Program Responsibilities	Administrative Procedures	Nuclear Group Procedures
6.5.3.7g Audit Program Responsibilities	Designated Senior Officer	President and CEO
Station Qualified Reviewer Program		
6.5.4.1 Function	Designated Manager	Unit Director
	Designated Officer	(Not applicable for MP3)
	Designated Senior Officer	Sr. Vice President and CNO - Millstone
6.5.4.1 SQR Procedure Approval	Designated Managers	Responsible Individual(s) for the procedure(s)
6.5.4.4	Designated Manager	Unit Director
	Designated Officer	Sr. Vice President and CNO - Millstone
Reportable Event Action		
6.6.1b	Designated Officer	Sr. Vice President and CNO - Millstone
Procedures		
6.8.2a	Designated Manager	Unit Director
	Designated Officer	(Not applicable for MP3)
	Designated Senior Officer	Sr. Vice President and CNO - Millstone

T.S. SECTION	T.S. POSITION	STATION ORGANIZATION POSITION
6.8.2b	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
6.8.2c	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
6.8.3c	Designated Manager Designated Officer	Unit Director Sr. Vice President and CNO - Millstone
Radiological Effluent Monitoring and Offsite Dose Calculation Manual (REMOCM)		
6.15b	Designated Officer	Sr. Vice President and CNO - Millstone

Notes:

1. Generic position titles are as approved by Amendment No. 171 to the Unit 3 Technical Specifications.