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Item	Facility	Type	Sub	Document Number / Title	Sheet	Revision	Doc Date	Copy #	Media	Copies
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Q004

Dominion

Memorandum

NO-01-308
December 17, 2001

TO: Quality Assurance Program Topical Report - Controlled Copy Owners

FROM: Dorothy Bruce, QAP Coordinator
Oversight - Operate the Asset, Ext. 3185

SUBJECT: **Quality Assurance Program (QAP) Topical Report - Millstone Power Station Revision 23, Change 3 Correction - Distribution of QAP 11.0 (Document No. MP-02-OST-BAP01)**

Enclosed please find Quality Assurance Program (QAP) Topical Report - Millstone Power Station, Revision 23, Change 3, Section QAP 11.0. The change addressed the Procure the Asset changes required to align with Dominion Supply Chain. The department name became "Supply Chain Management" (SCM) and the title of the "Master Process Owner" reverted to "Director". The "Master Process Owner - Procure the Asset" becomes "Director - Supply Chain Services" (this title eliminates conflict with current Dominion title.) QAP Section 11.0 was inadvertently left out of the prior distribution.

Please note that the effective date of Revision 23, Change 3, was **December 14, 2001**. Please replace the entire contents of QAP 11.0 with the enclosed section. If you have any questions, contact D. Bruce at X3185.

Enclosure:
Quality Assurance Program Topical Report - Millstone Power Station, Revision 23, Change 3, Section QAP 11.0

DSB/dsb

11.0 TEST CONTROL

11.1 GENERAL REQUIREMENTS

This QAP requires a documented test control program for Millstone Power Station nuclear units quality structures, systems, and components be established to assure that they will perform satisfactorily in service and that test results are documented in accordance with applicable regulatory and technical requirements.

The test control program identifies the quality structures, systems, and components to be tested, method of conducting tests, evaluation of tests and documentation of tests by qualified personnel to assure requirements have been satisfied.

The test control program is systematic and includes proof tests prior to installation, construction tests, operational tests, surveillance tests, and tests following repairs, reworks, replacements, preventive maintenance or modifications as required to verify performance will be satisfactory during operation.

11.2 IMPLEMENTATION

11.2.1 TEST PROGRAM

Test requirements to determine or to verify the capability of an item to meet specified requirements in accordance with design documents, Safety Analysis Reports (SAR), Technical Specifications, procedures or procurement documents, as appropriate, are accomplished by subjecting the item to a set of physical, chemical, environmental or operating conditions. Tests following repair, rework, replacement, preventive maintenance or modification is performed, as required, in accordance with the original design requirements of the item or acceptable alternatives, as applicable. A Test may be repeated when original test results are invalidated.

The licensee procedures delineate the methods and responsibilities for controlling, accomplishing and documenting testing of the Station nuclear power plants quality structures, systems, and components.

Vendors utilized to perform quality activities for the Station nuclear power plants are responsible for implementing measures for the control of tests to assure that materials, equipment and parts used in quality structures, systems, and components will perform satisfactorily. Audits, surveillances, and inspections, are performed as appropriate, to verify the performance of selected proof tests when hold points have been identified in purchase order/contracts and to verify these vendors are complying with their quality assurance program requirements for test control. Oversight performs audits, surveillances, and inspections, as appropriate, of onsite vendor activities in this area. ***Supply Chain Management (SCM)*** and Oversight are responsible for assuring documentation associated with these verification activities are maintained in the appropriate files until forwarded to the appropriate licensee records retention facilities in accordance with applicable procedures.

Proof tests, product acceptance tests, post maintenance or modification tests, and periodic surveillance tests are conducted by qualified personnel in accordance with applicable procedures. Personnel performing tests assure that calibrated equipment and instrumentation utilized are within the calibration interval specified. Documentation including test procedures and approved data sheets are maintained in appropriate files until forwarded to appropriate licensee records retention facilities in accordance with applicable procedures.

11.2.2 TEST PROCEDURE PREPARATION AND TEST PERFORMANCE

Testing is accomplished in accordance with approved test procedures which incorporate or reference the requirements and acceptance criteria in the applicable design and procurement documents. The test procedure or test program documents include the following as a minimum:

a. Instructions for the testing method used;

b. Required test equipment and instrumentation;

c. Test requirements, such as acceptance criteria;

d. Hold, notification, inspection points, if required, and data collection points;

e. Test prerequisites such as: calibrated instrumentation; trained, qualified, and licensed or certified personnel; preparation, condition and completeness of item to be tested; suitable and controlled environmental conditions;

f. Methods for documenting or recording test data and results;

g. Provisions for data collection and storage.

11.2.3 TEST EQUIPMENT

The licensee procedures provide the criteria for determining when a test is required and the accuracy requirements of test equipment. The following steps are taken for the control of test equipment:

a. To assure accuracy, test equipment is checked and calibrated in accordance with licensee procedures;

b. Plant instrumentation used in testing is calibrated. It is maintained in calibration at regular intervals in accordance with established surveillance and/or preventative maintenance procedures;

c. Where special instrumentation is required for testing, the requirements are stated in the procedures. Instrument characteristics, including accuracy requirements, are equivalent to or better than those specified by the vendor.

11.2.4 EVALUATION OF TEST RESULTS

The documented test results are evaluated against the predetermined acceptance criteria by an individual or group having appropriate qualifications. The acceptance status of the test is documented. Deficiencies noted during the evaluation are documented and dispositioned in accordance with procedures.

The evaluation of test results may also be delegated to vendors. When delegated, the vendor is required to assure the use of qualified personnel, evaluate the data against predetermined criteria and document the results of the evaluation and acceptance status of the test. Audits, surveillances, and inspections, are performed, as appropriate, to verify that these vendors are effectively complying with their quality assurance program requirements for test control. Oversight performs audits, surveillances, and inspections, as appropriate, of onsite vendor activities in this area.