

# QUALITY ASSURANCE PROCEDURE QA - 17

## QUALITY ASSURANCE RECORDS

FOR

NEP-1 AND NEP-2

SEABROOK STATION

MAINE NUCLEAR POWER STATION

NEW ENGLAND POWER COMPANY

PUBLIC SERVICE COMPANY OF  
NEW HAMPSHIRE

CENTRAL MAINE POWER COMPANY

J.O. 6386

J.O. 9763

J.O. 6387

January 14, 1974

FORMATION ONLY

No.	Date	Prep. By	QA/Rev.	Appr. By
1	4/18/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	11/1/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	12/6/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	10/27/75	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Prepared by:

*[Signature: R. C. Holzwarth]*  
R. C. Holzwarth  
Quality Assurance Engineer

Approved by:

*[Signature: G. F. Cole]*  
G. F. Cole, Project Manager

Approved by:

*[Signature: J. R. Silverwood]*  
J. R. Silverwood, Manager  
Reliability & Quality Assurance

Revision				Approval	
No.	Date	Page Nos. Revised	Prep. By	Project Manager	Manager R&QA
5	5/10/78	i, ii, 2 & 8 of App. A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	3/1/79	Figure 1 (Page 7)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	11/2/79	P. 6 of App. A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	1/24/80	App. A - Pgs. 2 thru 14	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	9/9/83	see page 11	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

9006010157 900523  
PDR ADQCK 05000443  
U PDC

9/9/83  
REV. 9

QA-17 CURRENT PAGE LISTING

<u>PAGE</u>	<u>DATE</u>
Cover Page	9/9/83
1	9/9/83
11	9/9/83
1	10/27/75
2	10/27/75
3	10/27/75
4	10/27/75
5	10/27/75
6	9/9/83
Figure -1	3/1/79
Figure -2	10/27/75
Appendix A	
1	10/27/75
2	1/24/80
3	"
4	"
5	"
6	"
7	"
8	"
9	"
10	"
11	"
12	"
13	"
14	1/24/80

QUALITY ASSURANCE PROCEDURE

QA-17  
REVISION 9

<u>SECTION</u>	<u>PAGE</u>	<u>REASON</u>
IV.E.1.b	6	Response to NRC Audit 81-03 per ACN #60.

ACN's incorporated in this revision:

ACN #60



**QUALITY ASSURANCE PROCEDURE****QA - 17**

PUBLIC SERVICE CO. OF NEW HAMPSHIRE-SEABROOK STATION  
- NEW ENGLAND POWER COMPANY - NEP 1 & NEP 2  
CENTRAL MAINE POWER COMPANY - MNPS

**SUBJECT:**

QUALITY ASSURANCE RECORDS

REV: 4 ReissueDATE: 10/27/75PAGE 1 of 6**I. SCOPE**

This procedure describes the control system maintained by UE&C for Quality Assurance Records.

**II. GENERAL****A. Purpose**

1. To impose the applicable portions of Standard XVII in the Quality Assurance Manual-Corporate Standards and ANSI N45.2.9 on the project.
2. To define records and documents which are generated or maintained, by UE&C for substantiating conformance to applicable standards, codes, agency or Client requirements. The document sources are shown in Figure 1 along with the controlling record procedures.
3. To establish the measures necessary for control, retention and retrieval of QA records.

**B. References**

1. Project Administrative Procedures.
2. ANSI N45.2.9 Requirements for Collection, Storage and Maintenance of Quality Assurance Records.
3. QA-7-2 - Control of Purchased Material-Vendor Surveillance.
4. QA-18 - Quality Assurance Audits.
5. QCP-17-1 - Records Review.
6. QCP-17-2 - Quality Assurance Records.
7. Construction Division Standard Guideline Procedure GGCP-2 Drawing Specification & Document Control.
8. General Administrative Procedure GAP 0014 Document Control Center.
9. General Administrative Procedure GAP 0006 Identification, Filing and Retrieval System.
10. YAEF Field Quality Control and Audit Group - Record Center Manual.



## II. GENERAL (Continued)

### C. Record Requirements

1. Records shall be identifiable and retrievable, and shall be made available to YAEC or their designated representative, regulatory agency representatives and to the Authorized Inspector, as appropriate.
2. The program is designed to provide for the accumulation and retrieval of the documents contained in the seven part Documentation Requirement List included in Appendix A of ANSI N45.2.9. UE&C has input into only the first five of the seven sections.
  - a. Design Records
  - b. Vendor Pre-Manufacturing Records
  - c. Vendors Manufacturing Records
  - d. Procurement Records
  - e. Construction Records
  - f. Preoperational and Startup Test Records
  - g. Maintenance, Modification and Test Records.

### D. Definitions

1. QA Records - Those records which furnish documentary evidence of the quality of items and of activities affecting quality.
2. Working Files - Uncontrolled documents maintained by the individual or groups so that they can perform their task. Any of these documents which become QA records will be transmitted to the point of access by the originator or responsible engineer.

## III. RESPONSIBILITIES

### A. Engineering

1. The Project Manager is responsible for the establishment and maintenance of Project Engineering Records in the Project Document Control Center (DCC).
2. The Project Administrator is responsible for supervising the overall operation of the DCC in accordance with GAP-0014 and Project's Administrative Procedures.

### III. RESPONSIBILITIES (Continued)

3. Supervising Discipline Engineers are responsible for establishing and maintaining working files for all documentation applicable to their discipline.

#### B. Construction Manager

1. The Resident Construction Manager is responsible for the establishment and maintenance of all Project Construction Records.
2. The Resident Engineer is responsible for receipt, recording, distribution and recall of specifications, drawings, procedures and other documents for use at the project site in accordance with project procedures based on GGCP-2.

#### C. Reliability and Quality Assurance

1. R&QA is responsible for auditing the QA records in accordance with QA-18.
2. The Quality Assurance Engineer is responsible for establishing and maintaining working files for all documentation applicable as required by project QA procedures.
3. The Supervising Engineer-Vendor Surveillance is responsible for establishing and maintaining working files in accordance with QA-7-2.
4. The Field Superintendent-Quality Assurance is responsible for maintaining the site Quality Assurance Master File for receiving, storage, and civil/structural inspection/surveillance in accordance with QCP-17-2.
5. Manager of Audits is responsible for auditing the QA records program, establishing and maintaining working files for auditing in accordance with QA-18.

### IV. PROCEDURE

#### A. Records Program

1. UE&C employs a records program which provides for data input, maintenance, updating and retrieval of QA records. The sources of the documents and the controlling procedures are shown in Figure 1.

IV. PROCEDURE (Continued)

2. A list of quality-related documents for safety-related activities that will be generated, collected and maintained by the Project is shown on Appendix A. This list:

- a. identifies documents by type
- b. identifies the originator
- c. designates the storage location
- d. designates the form and time for turnover
- e. identifies the document as "lifetime" or "nonpermanent"
- f. identifies YAEC's designation.

B. Record Categories

1. QA Records are categorized as "lifetime" or "nonpermanent" jointly by the originating organization and Reliability & Quality Assurance (See Appendix A).
  - a. Lifetime records are those which meeting one or more of following criteria and would be of significant value in:
    - 1) demonstrating capability for safe operation.
    - 2) maintaining, reworking, repairing, replacing or modifying the item.
    - 3) determining the cause of an accident or malfunction of the item.
    - 4) providing the required baseline data for in-service inspection.
  - b. Lifetime records shall be maintained (by UE&C up through Turnover and YAEC thereafter) for the life of the item while it is installed in the plant or stored for future use.
  - c. Nonpermanent records are those having no significant value in the areas noted above. Nonpermanent records shall provide evidence that an activity was performed in accordance with applicable requirements and will be retained as a minimum for periods as identified in Appendix A. The time period starts at the commercial operation of the plant.



IV. PROCEDURE (Continued)

C. Project Document Control Center

1. Power Division Standard GAP-0014 shall be followed in maintaining these QA records.
2. Project records of design and procurement activities shall be identifiable to the items covered and shall be retrievable. Design and procurement records typically include drawings, specifications, calculations, stress reports, evidence of design verification, vendor submittals (procedures and manufacturing records), procurement documents and related correspondence.
3. All "Final" (reviewed, approved and issued) hard copies of QA records shall be submitted for microfilming. Other QA records identified by Supervising Discipline Engineers as being sufficiently important to warrant copying shall also be microfilmed.
4. The disposition of hard copies of QA records after microfilming shall be dependent upon agreements reached with the Owner on the form of the permanent record files and other related considerations.

D. Construction Office Building

1. Construction Procedure for Drawing, Specification & Document Control and QCP-17-2 shall be followed for maintaining the records identified as COB in Appendix A.
2. QCP-17-2 shall be followed for maintaining the Civil/Structural records identified as Site QA/COB point of access in Appendix A.

E. Document Storage Requirements (Protective Measures)

1. Project Files

- a. UE&C Project records shall be maintained in duplicate files stored in separate locations. These records may be retained as microfilm or hard copy or a combination of these. Duplicates of the microfilm copies of records are maintained in the Record Retention Room of the Reproduction Department. Before microfilming, the documents shall be reviewed for completeness, legibility and identification in accordance with procedure GAP-0014.

IV. PROCEDURE (Continued)

- b. Records shall be firmly attached in binders, or placed in folders or envelopes. To the greatest extent practicable steel file cabinets shall be used to store documents and microfilm. Records sent to inactive storage shall be placed in cardboard boxes.
- c. Special process records such as, photographs, negatives and microfilm shall be packaged and stored in accordance with manufacturer's recommended practices for these record forms.

2. Construction Site Permanent Record Facility

- a. The record facility used during construction shall be as provided by the Owner and shall meet the requirements of N45.2.9.
- b. The method for receipt, review, filing and access to the permanent site records including microfilm and radiographs are described in QCP-17-1 and QCP-17-2.
- c. Turnover of records to YAEC shall be in accordance with Appendix A and QCP-17-2.

3. Security

- a. Each organization responsible for generating, receiving and accumulating records shall also be responsible for preserving them by preventing the entry of unauthorized personnel into the files. The following personnel are authorized access to Project Engineering files:

- 1) Project Manager
- 2) Project Engineering Manager
- 3) Project Administrators
- 4) Project Supervising Discipline
- 5) Project Engineer and Engineer Design Supervisors
- 6) Project Clerks and Secretaries.

Access to records at construction site shall be controlled by Quality Control Procedure QCP-17-2.

- b. Provisions shall be provided for securing the records facility when it is left unattended.

# DOCUMENT FLOW & DISPOSITION

ACTIVITY	UE&C		WESTINGHOUSE NSSS	YANKEE (SITE RECORD CENTER)	SUBCONTRACTORS	CONTROLLED RECORDS PROCEDURES
	ENGINEERING	CONSTRUCTION MANAGER				
UE&C ENG. & DESIGN DOCUMENTS	ORIGINAL DOCUMENTS	HARD COPIES & MICROFILM (CON - STRUCTION FILE)		HARD COPIES & MICROFILM (NORMAL PROJECT DIST.)	HARD COPIES NEEDED TO DO JOB	OAP-0014 QA-17
SITE DATA PACKAGE RECEIVED FOR EQUIPMENT	COPY FOR INFO	HARD COPIES FOR REVIEW & TURNOVER (MASTER QA FILE)		HARD COPIES TURNED OVER BY C.M.		OCP-17-2
WESTINGHOUSE QUALITY RELEASE FOR NSSS EQUIP		HARD COPY FOR REVIEW & TURNOVER (MASTER QA FILE)	ORIGINAL COPY	HARD COPY TURNED OVER BY C.M.		OCP-17-2
WESTINGHOUSE DOCUMENT PACKAGE FOR NSSS EQUIP			ORIGINAL COPY	HARD COPIES & MICROFILM TURNED OVER BY NSSS		VAEC PROCEDURE (WESTINGHOUSE QA PROCEDURES)
SUBCONTRACTOR SITE CONSTRUCTION RECORDS-CIVIL / STRUCTURAL	SUBMITTALS REQUIRED BY SPECIFICATIONS	HARD COPIES FOR REVIEW AS REQUIRED FOR CONSTRUCTION REPORT		HARD COPIES TURNED OVER BY SUBCONTRACTORS	ORIGINALS	OCP-17-2 (SITE CONTRACTOR QC PROCEDURES)
SUBCONTRACTOR SITE CONSTRUCTION RECORD - ALL OTHER	SUBMITTALS REQUIRED BY SPECIFICATIONS	SUBMITTALS REQUIRED BY SPECIFICATION		HARD COPY TURNED OVER BY SUBCONTRACTORS	ORIGINALS	VAEC PROCEDURE (SITE CONTRACTOR QC PROCEDURES)

FIGURE 1

SEABROOK  
SEP 1 8 3  
MMPB  
QA-17  
REV. 6  
3/1/79



QUALITY ASSURANCE RECORDS  
RECORD STORAGE REQUIREMENTS AND CONTROLLING PROCEDURES

Records Storage Requirements (ANSI N45.2.9)	<u>Applicable Paragraphs in Controlling Procedures</u>						YAEC Procedure
	QA-17	QCP-17-1	QCP-17-2	GAP-0014	Administrative Procedures	Constr.* Procedure	
1. Description of the Storage Area	IV.E.1 IV.E.2	—	II.C	—	—	—	X
2. Filing System	—	IV.B	—	IV	AP #2 AP #7 AP #8 AP #29	X	—
3. Verifying Record Condition and Agreement with Transmittal	—	Figure 2	—	IV	AP #12 AP #29	X	—
4. Verifying Agreement with Pre-established Records List	—	IV.B Figure 1 Figure 2	—	—	—	—	—
5. Access to and Control of Files	IV.E.3	—	IV.A	—	—	—	—
6. Control and Accountability for Records	—	IV.F	—	IV	—	X	—
7. Filing Supplemental Information	—	—	—	IV	AP #23	X	—

\* Construction Procedure for Drawing, Specification & Document Control to be issued in accordance with UE&C Procedure GGCP-2.

Figure 2

SEABROOK  
NEP 1 & 2  
MNPS  
QA-17  
Rev. 4 Reissue  
10/27/75

APPENDIX A

FOOTNOTES

SEABROOK  
NEP 1 & 2  
MNPS  
QA-17  
APPENDIX A  
Rev. 4 Reissue  
10/27/75  
Page 1 of 14

1. Point of Access

DCC - Document Control Center  
FP - Foreign Print Control Center  
COB - Construction Office Building

2. Turnover to YAEC prior to commercial operation.
3. Turnover to YAEC is part of the normal distribution as the records are generated.
4. File requirements at site are lifetime storage(L) and 0, 1, 2, 6 years of storage after commercial operation.
5. Copies for permanent records to be supplied by YAEC.
6. Alpha-numeric designation from YAEC Field Quality Control and Audit Group-Record Center Manual.
7. These procedures will be submitted to engineering for review and comment; or approval as required by the UE&C specification. At the same time a copy of the procedures will be submitted to YAEC.



APPENDIX A

SEABROOK STATION

DOCUMENT RETENTION REQUIREMENT

<u>LIST A</u>		(1)	<u>TRANSFER</u> <u>TO EC</u>	(4) <u>FILE</u> <u>REQ'T</u>
<u>DESIGN RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>		
Applicable Codes and Standards Used in Design	Eng.	UE&C Library	Index List(2)	L (5)
Design Calculations and Record of Checks	Eng.	Proj. Files (by disciplines)	Microfiche(3)	L
Design Change Requests	Vendor	DCC	Microfiche(3)	1
Design Deviations	R&QA	DCC	Microfiche(3)	L
Design Procedures and Manuals	Eng.	DCC	Microfiche(3)	2
Design Reports	Eng.	DCC	Microfiche(3)	L
Design Review Reports	Eng.	DCC	Microfiche(3)	1
Drawings	Eng.	DCC Originals	Microfiche(3)	L
Drawing Control Procedures	Eng.	DCC	Microfiche(3)	2
Purchase and Design Specifications & Amendments	Eng.	DCC	Microfiche(3)	L
QA System Audit Reports	R&QA	DCC	Microfiche(3)	6
Safety Analysis Report	Safety Licensing Eng.	DCC	Hard Copies(3)	L

SEABROOK  
NEP 1 & 2  
HNPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 2 of 14



# APPENDIX A (Cont'd.)

## LIST A (Continued)

### DESIGN RECORDS

Stress Reports

Systems Descriptions

Systems Process and Instrumentation Diagrams

Technical Analysis, Evaluations and Reports

Reconciliation of Drawings to Stress Reports

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Eng.	DCC	Microfiche (3)	L
Eng.	DCC	Microfiche (3)	L
Eng.	DCC	Microfiche (3)	L
Eng.	DCC	Microfiche (3)	L
Eng.	DCC	Microfiche (3)	L

SEABROOK  
NEP 1 & 2  
HNPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 3 of 14

APPENDIX A (Cont'd.)

<u>LIST B</u>				(4)
<u>VENDOR PRE-MANUFACTURING RECORD REQUIREMENTS</u>	<u>ORIGINATOR</u>	(1) <u>PT. OF ACCESS</u>	<u>TURNOVER TO YAEK</u>	<u>FILE REQ'T</u>
Supplier's QA Program Manual (and QC Procedures)	Vendor	FP	Hard Copies(2)	2
Cleaning Procedures	Vendor	FP	Microfiche(2)	0
Eddy-Current Test Procedures	Vendor	FP	Microfiche(2)	0
Ferrite Test Procedures	Vendor	FP	Microfiche(2)	0
Heat Treat Procedures	Vendor	FP	Microfiche(2)	0
Hot Bending Procedure	Vendor	FP	Microfiche(2)	0
Liquid Penetrant Inspection Procedure	Vendor	FP	Microfiche(2)	0
Magnetic Particle Inspection Procedure	Vendor	FP	Microfiche(2)	0
Packaging, Receiving, Storage Procedure	Vendor	FP	Microfiche(2)	0
Performance Test Procedure	Vendor	FP	Microfiche(2)	0
Pressure Test Procedure	Vendor	FP	Microfiche(2)	0
Test Equipment Calibration Procedure	Vendor	FP	Microfiche(2)	0
Radiographic Inspection Procedure	Vendor	FP	Microfiche(2)	0
Ultrasonic Inspection Procedure	Vendor	FP	Microfiche(2)	0

SEABROOK  
NEP 1 & 2  
MPPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 4 of 14



APPENDIX A (Cont'd.)

LIST B (Continued)

VENDOR PRE-MANUFACTURING  
RECORD REQUIREMENTS

Weld Material Control Procedure

Welding Procedures

Welding Procedure Qualification & Data Reports

Welding Personnel Qualifications

Detailed Inspection Plan

Certificate of Authorization

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>TURNOVER TO YAEC</u>	(4)	(6)
			<u>FILE REQ'T</u>	<u>YAEC DESIGNATION</u>
Vendor	FP	Microfiche(2)	2	
Vendor	FP	Microfiche(2)	L	
Vendor	FP	Microfiche(2)	2	
Vendor	Vendor	Microfiche(2)	2	
Vendor	FP	Microfiche(2)	L	
Vendor	FP	Microfiche(2)	L	

SEABROOK  
NEP 1 & 2  
INPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 5 of 14



APPENDIX A (Cont'd.)

<u>LIST C</u>		(1)	TURNOVER	(4)
<u>VENDORS MANUFACTURING RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>TO YAEC</u>	<u>FILE REQ'T</u>
Applicable Code Data Reports	Vendor	COB	Hard Copies(3)	L
As-Built Drawings and Records	Vendor	FP	Aperture Cards(2)	L
Certificate of Inspection and Test Personnel Qualification	Vendor	Vendor	NA	0
Certificates of Compliance	Vendor	COB	Hard Copies(3)	L
Edly-Current Examination Results	Vendor	COB	Hard Copies(3)	L
Electrical Control Verification & Test Results	Vendor	COB	Hard Copies(3)	L
Ferrite Test Results	Vendor	COB	Hard Copies(3)	L
Heat Treatment Records	Vendor	COB	Hard Copies(3)	L
Liquid Penetrant Examination Results	Vendor	COB	Hard Copies(3)	L
Magnetic Particle Examination Results	Vendor	COB	Hard Copies(3)	L
Major Defect Repair Records	Vendor	COB	Hard Copies(3)	L
Material Properties Records	Vendor	COB	Hard Copies(3)	L
Nonconformance to Procurement Documents	Vendor	COB/DCC	Hard Copies(3)/ Microfiche	L
Performance Test Records	Vendor	COB	Hard Copies(3)	L
Pipe and Fitting Location Report	Vendor	COB	Hard Copies(3)	L
User Tensile Test Reports or Reinforcing Steel	Vendor	COB	Hard Copies(2)	1

SEABROOK  
NEP 1 & 2  
MNPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 6 of 14

APPENDIX A (Cont'd.)

LIST C (Continued)

VENDORS MANUFACTURING RECORDS

Pressure Test Results (Including Hydrotest)

Test Equipment Calibration Records

QA System Audit Report

Radiographs, Review Forms

Ultrasonic Examination Results

Welding Filler Metal Reports

Final Inspection Reports and Releases

Vendor QA Releases

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Vendor	COB	Hard Copies(3)	L
Vendor	Vendor	NA	0
R&QA	DCC	Microfiche(3)	6
Vendor	COB	Hard Copies(3)	L
Vendor	COB	Hard Copies(3)	L
Vendor	COB	Hard Copies(3)	L
Vendor	COB	Hard Copies(3)	L
Vendor	COB	Hard Copies(3)	L

SEABROOK  
NEP 1 & 2  
MNP  
QA-17  
APPENDIX A  
Rev. 3  
1/24/80  
Page 7 of 14



APPENDIX A (Cont'd.)

LIST D

PROCUREMENT RECORDS

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER</u> <u>TO YAEC</u>	<u>FILE</u> <u>REQ'T</u> (4)
Purchaser's Pre-Award Quality Assurance Survey	R&QA	DCC	Microfiche(3)	2
Pre-Award Meeting Minutes	Purchasing	DCC	Microfiche(3)	2
Procurement Procedures	Purchasing	DCC	Microfiche(3)	0
Procurement Specification	Purchasing	DCC	Microfiche(3)	1
Purchase Order Including Amendments	Purchasing	Purchasing	Microfiche(3)	1
Audit Reports	R&QA	DCC	Microfiche(3)	6



APPENDIX A (Cont'd.)

LIST E (typical)

CONSTRUCTION RECORDS

Receiving and Storage

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER TO YAEC</u>	<u>FILE REQ'T</u> (4)
Inspection Reports for Stored Items	Field QC	Site QA/COB	Hard Copies(2)	0
Nonconformance Reports	Field QC	Site QA/COB	Hard Copies(2)	L
Receipt Inspection Reports on Items	Field QC	Site QA/COB	Hard Copies(2)	1
Receiving and Storage Inspection Procedures	Field QC	Site QA/COB	Hard Copies(2)	2
Storage Inventory and Issuance Records	Field QC	Site QA/COB	Hard Copies(2)	0
Vendor Surveillance Releases	Vendor Surv.	Site QA/COB	Hard Copies(2)	0

Civil

Admixture Test Reports	Contractor	Site QA/COB	Hard Copies(2)	L
Aggregate Test Reports	Test Lab	DCC	Microfiche	1
Batch Plant Operation Reports	Contractor	Site QA/COB	Hard Copies(2)	1
Cement Grab Sample Reports	Test Lab.	DCC	Microfiche	0
Concrete Cylinder Test Reports and Charts	Test Lab.	Site QA/COB	Hard Copies(2)	L
Concrete Mix Design Reports	Test Lab.	DCC	Microfiche	L
Concrete Placement Records	Contractor	Site QA/COB	Hard Copies(2)	L
Inspection Reports for Channel Pressure Tests	Contractor	Site QA/COB	Hard Copies(2)	L

APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Civil (Continued)

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Material Property Reports on Containment Liner and Accessories	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Metal Containment Shell and Accessories	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Reinforcing Steel	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Reinforcing Steel Splice Sleeve Material	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Steel Embedments in Concrete	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Steel Piling	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Structural Steel and Bolting	Vendor	Site QA/COB	Hard Cop'es(3)	L
Material Property Reports on Tendon Fabrication Material	Vendor	Site QA/COB	Hard Copies(3)	L
Mix Water & Ice Chemical Analysis	Test Lab	Site QA/COB/DCC	Hard Copies(3)/ Microfiche	L
Mixer Uniformity Test Reports	Contractor	Site QA/COB	Hard Copies(3)	L
Pile Drive Log	Contractor	Site QA/COB	Hard Copies(3)	L
Pile Loading Test Reports	Contractor	Site QA/COB	Hard Copies(3)	L
Procedure for Containment Vessel Pressure- proof Test and Leak Rate Tests and Results	Contractor	Site QA/COB	Hard Copies(3)	L

SEABROOK  
NEP 1 & 2  
NTPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 10 of 14



APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Civil (Continued)

Reinforcing Steel Splice Operator  
Qualification Reports

Releases to Place Concrete

Reports of High-Strength Bolt Torque Testing

Slump Test Results

Soil Compaction Test Reports

User's Tensile Test Reports on Reinforcing  
Steel Splices

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Contractor	Site QA/COB	Hard Copies(2)	0
Contractor	Site QA/COB	Hard Copies(2)	0
Contractor	Site QA/COB	Hard Copies(2)	1
Test Lab	Site QA/COB	Hard Copies(2)	0
Test Lab	Site QA/COB	Hard Copies(2)	L
Test Lab	Site QA/COB	Hard Copies(2)	1

SEABROOK  
NEP 1 & 2  
MNP  
QA-17  
Rev. 8  
1/24/80  
Page 11 of 14



APPENDIX A (Cont'd.)

<u>LIST E</u> (Continued)		(1)	TURNOVER	(4)
<u>CONSTRUCTION RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>TO YAEC</u>	<u>FILE REQ'T</u>
<u>Welding</u> (7)				
Ferrite Test Procedure	Contractor	FP	Microfiche(2)	L
Heat Treatment Procedures	Contractor	FP	Microfiche(2)	0
Liquid Penetrant Test Procedures	Contractor	FP	Microfiche(2)	L
Magnetic Particle Test Procedures	Contractor	FP	Microfiche(2)	L
Major Weld Repair Procedures	Contractor	FP	Microfiche(2)	L
Radiographic Test Procedures	Contractor	FP	Microfiche(2)	L
Ultrasonic Test Procedures	Contractor	FP	Microfiche(2)	L
Weld Procedures	Contractor	FP	Microfiche(2)	L
Weld Procedures Qualifications and Results	Contractor	FP	Microfiche(2)	L
Welding Material Control Procedures	Contractor	FP	Microfiche(2)	L
<u>Mechanical</u> (7)				
Cleaning Procedures	Contractor	FP	Microfiche(2)	1
Construction Lifting and Handling Equipment Test Procedures	Contractor	FP	Microfiche(2)	0

SEABROOK  
NEP 1 & 2  
MNPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 12 of 16

APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Mechanical<sup>(7)</sup> (Continued)

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> <sup>(1)</sup>	<u>TURNOVER TO YAEC</u>	<u>FILE REQ'T</u> <sup>(4)</sup>
Erection Procedures for Mechanical Components	Contractor	FP	Microfiche(2)	1
Hydro-Test Procedures	Contractor	FP	Microfiche(2)	L
Installed Lifting and Handling Equipment Procedures	Contractor	FP	Microfiche(2)	L
Lubrication Procedures	Contractor	FP	Microfiche(2)	L
Safety Valve Response Test Procedures	Contractor	FP	Microfiche(2)	L

Electrical and I & C<sup>(7)</sup>

Cable Pulling Procedures	Contractor	FP	Microfiche(2)	0
Cable Splicing Procedures	Contractor	FP	Microfiche(2)	L
Relay Test Procedures	Contractor	FP	Microfiche(2)	L



APPENDIX A (Cont'd.)

LIST E (Continued)

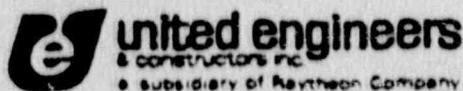
CONSTRUCTION RECORDS

General

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER TO YAEC</u>	<u>FILE REQ'T</u> (4)
As-Built Drawing and Record	Contractor/Eng.	DCC	Aperture Card(3)	L
Calibration of Measuring and Test (7) Equipment and Instruments Procedure	Contractor	FP	Microfiche(2)	0
Certificate of Inspection and Test Personnel Qualification	Contractor	FP	Microfiche(2)	1
Field Quality Assurance Manual	Contractor	FP	Microfiche(2)	2
UE&C Audit Reports	R&QA	DCC	Microfiche(2)	6

SEABROOK  
NEP 1 & 2  
MNPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 14 of 14





# QUALITY ASSURANCE PROCEDURE QA - 17

## QUALITY ASSURANCE RECORDS

FOR

NEP-1 AND NEP-2

SEABROOK STATION

MAINE NUCLEAR POWER STATION

NEW ENGLAND POWER COMPANY

PUBLIC SERVICE COMPANY OF  
NEW HAMPSHIRE

CENTRAL MAINE POWER COMPANY

J.O. 6386

J.O. 9763

J.O. 6387

January 14, 1974

INFORMATION ONLY

Prepared by:

R. C. Holzwarth  
R. C. Holzwarth  
Quality Assurance Engineer

Approved by:

G. F. Cole  
G. F. Cole, Project Manager

Approved by:

J. B. Silverwood  
J. B. Silverwood, Manager  
Reliability & Quality Assurance

No.	Date	Prep. By	QA/Rev.	Appr. By
1	4/18/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	11/1/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	12/6/74	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	10/27/75	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Revision				Approval	
No.	Date	Page Nos. Revised	Prep. By	Project Manager	Manager R&QA
5	5/10/78	1, 11, 2 & 8 of App. A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	3/1/79	Figure 1 (Page 7)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	11/2/79	P. 6 of App. A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	1/24/80	App. A - Pgs. 2 thru 14	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

1/24/80  
Rev, 8

QA-17 CURRENT PAGE LISTING

<u>PAGE</u>	<u>DATE</u>
Cover Page	1/24/80
1	1/24/80
11	1/24/80
1	10/27/75
2	10/27/75
3	10/27/75
4	10/27/75
5	10/27/75
6	10/27/75
Figure -1	3/1/79
Figure -2	10/27/75
Appendix A	
1	10/27/75
2	1/24/80
3	"
4	"
5	"
6	"
7	"
8	"
9	"
10	"
11	"
12	"
13	"
14	1/24/80

1/24/80  
Rev. 8

QUALITY ASSURANCE PROCEDURE

QA-17  
REVISION 8

<u>SECTION</u>	<u>PAGE</u>	<u>REASON</u>
Appendix A:	2 thru 14	Deleted all YAEC designations
List C	6	1. Added "/DCC" and "/microfiche". To clarify records requirements. 2. Added bottom line.
List E <u>Civil</u>	9	1. Added new "Admixture Test Reports" line. 2. Substituted "DCC" and "micro- fiche" on lines 2,3 & 6; to clarify records requirements.
List E	10	1. Added "and ice", "/DCC" & "/microfiche" to line 9. 2. Added a new line 10.
List E	11	Deleted line 6.





## QUALITY ASSURANCE PROCEDURE QA - 17

PUBLIC SERVICE CO. OF NEW HAMPSHIRE-SEABROOK STATION  
NEW ENGLAND POWER COMPANY - NEP 1 & NEP 2  
CENTRAL MAINE POWER COMPANY - MNPS

SUBJECT:

QUALITY ASSURANCE RECORDS

REV: 4 Ref:

DATE: 10/27/7.

PAGE 1 of 6

I. SCOPE

This procedure describes the control system maintained by UE&C for Quality Assurance Records.

II. GENERALA. Purpose

1. To impose the applicable portions of Standard XVII in the Quality Assurance Manual-Corporate Standards and ANSI N45.2.9 on the project.
2. To define records and documents which are generated or maintained, by UE&C for substantiating conformance to applicable standards, codes, agency or Client requirements. The document sources are shown in Figure 1 along with the controlling record procedures.
3. To establish the measures necessary for control, retention and retrieval of QA records.

B. References

1. Project Administrative Procedures.
2. ANSI N45.2.9 Requirements for Collection, Storage and Maintenance of Quality Assurance Records.
3. QA-7-2 - Control of Purchased Material-Vendor Surveillance.
4. QA-18 - Quality Assurance Audits.
5. QCP-17-1 - Records Review.
6. QCP-17-2 - Quality Assurance Records.
7. Construction Division Standard Guideline Procedure GGCP-2 Drawing Specification & Document Control.
8. General Administrative Procedure GAP 0014 Document Control Center.
9. General Administrative Procedure GAP 0006 Identification, Filing and Retrieval System.
10. YAEC Field Quality Control and Audit Group - Record Center Manual.

## II. GENERAL (Continued)

### C. Record Requirements

1. Records shall be identifiable and retrievable, and shall be made available to YABC or their designated representative, regulatory agency representatives and to the Authorized Inspector, as appropriate.
2. The program is designed to provide for the accumulation and retrieval of the documents contained in the seven part Documentation Requirement List included in Appendix A of ANSI N45.2.9. UE&C has input into only the first five of the seven sections.
  - a. Design Records
  - b. Vendor Pre-Manufacturing Records
  - c. Vendors Manufacturing Records
  - d. Procurement Records
  - e. Construction Records
  - f. Preoperational and Startup Test Records
  - g. Maintenance, Modification and Test Records.

### D. Definitions

1. QA Records - Those records which furnish documentary evidence of the quality of items and of activities affecting quality.
2. Working Files - Uncontrolled documents maintained by the individual or groups so that they can perform their task. Any of these documents which become QA records will be transmitted to the point of access by the originator or responsible engineer.

## III. RESPONSIBILITIES

### A. Engineering

1. The Project Manager is responsible for the establishment and maintenance of Project Engineering Records in the Project Document Control Center (DCC).
2. The Project Administrator is responsible for supervising the overall operation of the DCC in accordance with GAP-0014 and Project's Administrative Procedures.



### III. RESPONSIBILITIES (Continued)

3. Supervising Discipline Engineers are responsible for establishing and maintaining working files for all documentation applicable to their discipline.

#### B. Construction Manager

1. The Resident Construction Manager is responsible for the establishment and maintenance of all Project Construction Records.
2. The Resident Engineer is responsible for receipt, recording, distribution and recall of specifications, drawings, procedures and other documents for use at the project site in accordance with project procedures based on GGCP-2.

#### C. Reliability and Quality Assurance

1. R&QA is responsible for auditing the QA records in accordance with QA-18.
2. The Quality Assurance Engineer is responsible for establishing and maintaining working files for all documentation applicable as required by project QA procedures.
3. The Supervising Engineer-Vendor Surveillance is responsible for establishing and maintaining working files in accordance with QA-7-2.
4. The Field Superintendent-Quality Assurance is responsible for maintaining the site Quality Assurance Master File for receiving, storage, and civil/structural inspection/surveillance in accordance with QCP-17-2.
5. Manager of Audits is responsible for auditing the QA records program, establishing and maintaining working files for auditing in accordance with QA-18.

### IV. PROCEDURE

#### A. Records Program

1. UE&C employs a records program which provides for data input, maintenance, updating and retrieval of QA records. The sources of the documents and the controlling procedures are shown in Figure 1.



IV. PROCEDURE (Continued)

2. A list of quality-related documents for safety-related activities that will be generated, collected and maintained by the Project is shown on Appendix A. This list:

- a. identifies documents by type
- b. identifies the originator
- c. designates the storage location
- d. designates the form and time for turnover
- e. identifies the document as "lifetime" or "nonpermanent"
- f. identifies YAEC's designation.

B. Record Categories

1. QA Records are categorized as "lifetime" or "nonpermanent" jointly by the originating organization and Reliability & Quality Assurance (See Appendix A).

- a. Lifetime records are those which meeting one or more of following criteria and would be of significant value in:
  - 1) demonstrating capability for safe operation.
  - 2) maintaining, reworking, repairing, replacing or modifying the item.
  - 3) determining the cause of an accident or malfunction of the item.
  - 4) providing the required baseline data for in-service inspection.
- b. Lifetime records shall be maintained (by UE&C up through Turnover and YAEC thereafter) for the life of the item while it is installed in the plant or stored for future use.
- c. Nonpermanent records are those having no significant value in the areas noted above. Nonpermanent records shall provide evidence that an activity was performed in accordance with applicable requirements and will be retained as a minimum for periods as identified in Appendix A. The time period starts at the commercial operation of the plant.

IV. PROCEDURE (Continued)

C. Project Document Control Center

1. Power Division Standard GAP-0014 shall be followed in maintaining these QA records.
2. Project records of design and procurement activities shall be identifiable to the items covered and shall be retrievable. Design and procurement records typically include drawings, specifications, calculations, stress reports, evidence of design verification, vendor submittals (procedures and manufacturing records), procurement documents and related correspondence.
3. All "Final" (reviewed, approved and issued) hard copies of QA records shall be submitted for microfilming. Other QA records identified by Supervising Discipline Engineers as being sufficiently important to warrant copying shall also be microfilmed.
4. The disposition of hard copies of QA records after microfilming shall be dependent upon agreements reached with the Owner on the form of the permanent record files and other related considerations.

D. Construction Office Building

1. Construction Procedure for Drawing, Specification & Document Control and QCP-17-2 shall be followed for maintaining the records identified as COB in Appendix A.
2. QCP-17-2 shall be followed for maintaining the Civil/Structural records identified as Site QA/COB point of access in Appendix A.

E. Document Storage Requirements (Protective Measures)

1. Project Files

- a. UE&C Project records shall be maintained in duplicate files stored in separate locations. These records may be retained as microfilm or hard copy or a combination of these. Duplicates of the microfilm copies of records are maintained in the Record Retention Room of the Reproduction Department. Before microfilming, the documents shall be reviewed for completeness, legibility and identification in accordance with procedure GAP-0014.



IV. PROCEDURE (Continued)

- b. Records shall be firmly attached in binders, or placed in folders or envelopes. To the greatest extent practicable steel file cabinets shall be used to store documents and microfilm.
- c. Special process records such as, photographs, negatives and microfilm shall be packaged and stored in accordance with manufacturer's recommended practices for these record forms.

2. Construction Site Permanent Record Facility

- a. The record facility used during construction shall be as provided by the Owner and shall meet the requirements of N45.2.9.
- b. The method for receipt, review, filing and access to the permanent site records including microfilm and radiographs are described in QCP-17-1 and QCP-17-2.
- c. Turnover of records to YAEC shall be in accordance with Appendix A and QCP-17-2.

3. Security

- a. Each organization responsible for generating, receiving and accumulating records shall also be responsible for preserving them by preventing the entry of unauthorized personnel into the files. The following personnel are authorized access to Project Engineering files:
  - 1) Project Manager
  - 2) Project Engineering Manager
  - 3) Project Administrators
  - 4) Project Supervising Discipline
  - 5) Project Engineer and Engineer Design Supervisors
  - 6) Project Clerks and Secretaries.

Access to records at construction site shall be controlled by Quality Control Procedure QCP-17-2.

- b. Provisions shall be provided for securing the records facility when it is left unattended.



# DOCUMENT FLOW & DISPOSITION

ACTIVITY	UE&C		WESTINGHOUSE NSSS	YANKEE (SITE RECORD CENTER)	SUBCONTRACTORS	CONTROLLING RECORDS PROCEDURES
	ENGINEERING	CONSTRUCTION MANAGER				
UE&C ENG & DESIGN DOCUMENTS	ORIGINAL DOCUMENTS	HARD COPIES & MICROFILM (CON - STRUCTION FILE)	-----	HARD COPIES & MICROFILM (NORMAL PROJECT DIST.)	HARD COPIES NEEDED TO DO JOB	QAP-0014 QA-17
SITE DATA PACKAGE RECEIVED FOR EQUIPMENT	COPY FOR INFO	HARD COPIES FOR REVIEW & TURNOVER (MASTER QA FILE)	-----	HARD COPIES TURNED OVER BY C M	-----	OCP-17-2
WESTINGHOUSE QUALITY RELEASE FOR NSSS EQUIP	-----	HARD COPY FOR REVIEW & TURNOVER (MASTER QA FILE)	ORIGINAL COPY	HARD COPY TURNED OVER BY C M	-----	OCP-17-2
WESTINGHOUSE DOCUMENT PACKAGE FOR NSSS EQUIP.	-----	-----	ORIGINAL COPY	HARD COPIES & MICROFILM TURNED OVER BY NSSS	-----	Y&EC PROCEDURE (WESTINGHOUSE QA PROCEDURES)
SUBCONTRACTOR SITE CONSTRUCTION RECORDS CIVIL/ STRUCTURAL	SUBMITTALS REQUIRED BY SPECIFICATIONS	HARD COPIES FOR REVIEW AS REQUIRED FOR CONSTRUCTION REPORT	-----	HARD COPIES TURNED OVER BY SUBCONTRACTORS	ORIGINALS	OCP-17-2 (SITE CONTRACTOR QC PROCEDURES)
SUBCONTRACTOR SITE CONSTRUCTION RECORD - ALL OTHER	SUBMITTALS REQUIRED BY SPECIFICATIONS	SUBMITTALS REQUIRED BY SPECIFICATION	-----	HARD COPY TURNED OVER BY SUBCONTRACTORS	ORIGINALS	Y&EC PROCEDURE (SITE CONTRACTOR QC PROCEDURES)

FIGURE 1

SEABROOK  
SEP 1 8 2  
INPS  
QA-17  
REV. 6  
3/79

QUALITY ASSURANCE RECORDS  
RECORD STORAGE REQUIREMENTS AND CONTROLLING PROCEDURES

Records Storage Requirements (ANSI N45.2.9)	Applicable Paragraphs in Controlling Procedures						
	QA-17	QCP-17-1	QCP-17-2	GAP-0014	Administrative Procedures	Constr.* Procedure	YAEC Procedure
1. Description of the Storage Area	IV.E.1 IV.E.2	—	II.C	—	—	—	X
2. Filing System	—	IV.B	—	IV	AP #2 AP #7 AP #8 AP #29	X	—
3. Verifying Record Condition and Agreement with Transmittal	—	Figure 2	—	IV	AP #12 AP #29	X	—
4. Verifying Agreement with Pre-established Records List	—	IV.B Figure 1 Figure 2	—	—	—	—	—
5. Access to and Control of Files	IV.E.3	—	IV.A	—	—	—	—
6. Control and Accountability for Records	—	IV.F	—	IV	—	X	—
7. Filing Supplemental Information	—	—	—	IV	AP #23	X	—

\* Construction Procedure for Drawing, Specification & Document Control to be issued in accordance with UE&C Procedure GGCP-2.

Figure 2

SEABROOK  
NEP 1 & 2  
MPS  
QA-17  
Rev. 4, Reissue  
10/27/75



APPENDIX A

FOOTNOTES

SEABROOK  
NEP 1 & 2  
MDPS  
QA-17  
APPENDIX A  
Rev. 4 Reissue  
10/27/75  
Page 1 of 14

1. Point of Access

DCC - Document Control Center  
FP - Foreign Print Control Center  
COB - Construction Office Building

2. Turnover to YAEC prior to commercial operation.
3. Turnover to YAEC is part of the normal distribution as the records are generated.
4. File requirements at site are lifetime storage(L) and 0, 1, 2, 6 years of storage after commercial operation.
5. Copies for permanent records to be supplied by YAEC.
6. Alpha-numeric designation from YAEC Field Quality Control and Audit Group-Record Center Manual.
7. These procedures will be submitted to engineering for review and comment; or approval as required by the UE&C specification. At the same time a copy of the procedures will be submitted to YAEC.



# APPENDIX A

## SEABROOK STATION

### DOCUMENT RETENTION REQUIREMENT

<u>LIST A</u>		(1)	TURNOVER TO YABC	(4) FILE REQ'T
<u>DESIGN RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>		
Applicable Codes and Standards Used in Design	Eng.	UEAC Library	Index List(2)	L (5)
Design Calculations and Record of Checks	Eng.	Proj. Files (by disciplines)	Microfiche(3)	L
Design Change Requests	Vendor	DCC	Microfiche(3)	1
Design Deviations	R&QA	DCC	Microfiche(3)	L
Design Procedures and Manuals	Eng.	DCC	Microfiche(3)	2
Design Reports	Eng.	DCC	Microfiche(3)	L
Design Review Reports	Eng.	DCC	Microfiche(3)	1
Drawings	Eng.	DCC Originals	Microfiche(3)	L
Drawing Control Procedures	Eng.	DCC	Microfiche(3)	2
Purchase and Design Specifications & Amendments	Eng.	DCC	Microfiche(3)	L
QA System Audit Reports	R&QA	DCC	Microfiche(3)	6
Safety Analysis Report	Safety Licensing Eng.	DCC	Hard Copies(3)	L

SEABROOK  
NEP 1 & 2  
NPPS  
QA-17  
APPENDIX A  
Rev. 8  
1/26/80  
Page 2 of 16

APPENDIX A (Cont'd.)

LIST A (Continued)

<u>DESIGN RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER TO YAEC</u>	<u>FILE REQ'T</u> (4)
Stress Reports	Eng.	DCC	Microfiche(3)	L
Systems Descriptions	Eng.	DCC	Microfiche(3)	L
Systems Process and Instrumentation Diagrams	Eng.	DCC	Microfiche(3)	L
Technical Analysis, Evaluations and Reports	Eng.	DCC	Microfiche(3)	L
Reconciliation of Drawings to Stress Reports	Eng.	DCC	Microfiche(3)	L

SEABROOK  
NEP 1 & 2  
MPPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 3 of 14

APPENDIX A (Cont'd.)

LIST B

<u>VENDOR PEE-MANUFACTURING RECORD REQUIREMENTS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Supplier's QA Program Manual (and QC Procedures)	Vendor	FP	Hard Copies(2)	2
Cleaning Procedures	Vendor	FP	Microfiche(2)	0
Eddy-Current Test Procedures	Vendor	FP	Microfiche(2)	0
Ferrite Test Procedures	Vendor	FP	Microfiche(2)	0
Heat Treat Procedures	Vendor	FP	Microfiche(2)	0
Hot Bending Procedure	Vendor	FP	Microfiche(2)	0
Liquid Penetrant Inspection Procedure	Vendor	FP	Microfiche(2)	0
Magnetic Particle Inspection Procedure	Vendor	FP	Microfiche(2)	0
Packaging, Receiving, Storage Procedure	Vendor	FP	Microfiche(2)	0
Performance Test Procedure	Vendor	FP	Microfiche(2)	0
Pressure Test Procedure	Vendor	FP	Microfiche(2)	0
Test Equipment Calibration Procedure	Vendor	FP	Microfiche(2)	0
Radiographic Inspection Procedure	Vendor	FP	Microfiche(2)	0
Ultrasonic Inspection Procedure	Vendor	FP	Microfiche(2)	0

SEABROOK  
SEP 16 2  
KNTS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 4 of 14



APPENDIX A (Cont'd.)

LIST B (Continued)

<u>VENDOR PRE-MANUFACTURING RECORD REQUIREMENTS</u>	<u>ORIGINATOR</u>	<u>(1) PT. OF ACCESS</u>	<u>TURNOVER TO YAEC</u>	<u>(4) FILE REQ'T</u>	<u>(6) YAEC DESIGNATION</u>
Weld Material Control Procedure	Vendor	FP	Microfiche(2)	2	
Welding Procedures	Vendor	FP	Microfiche(2)	L	
Welding Procedure Qualification & Data Reports	Vendor	FP	Microfiche(2)	2	
Welding Personnel Qualifications	Vendor	Vendor	Microfiche(2)	2	
Detailed Inspection Plan	Vendor	FP	Microfiche(2)	L	
Certificate of Authorization	Vendor	FP	Microfiche(2)	L	

SEABROOK  
NEP 1 & 2  
NPPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 5 of 14

APPENDIX A (Cont'd.)

LIST C

		(1)	TURNOVER	(4)
<u>VENDORS MANUFACTURING RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>TO YAEC</u>	<u>FILE REQ'T</u>
Applicable Code Data Reports	Vendor	COB	Hard Copies(3)	L
As-Built Drawings and Records	Vendor	FP	Aperture Cards(2)	L
Certificate of Inspection and Test Personnel Qualification	Vendor	Vendor	NA	0
Certificates of Compliance	Vendor	COB	Hard Copies(3)	L
Eddy-Current Examination Results	Vendor	COB	Hard Copies(3)	L
Electrical Control Verification & Test Results	Vendor	COB	Hard Copies(3)	L
Ferrite Test Results	Vendor	COB	Hard Copies(?)	L
Heat Treatment Records	Vendor	COB	Hard Copies(3)	L
Liquid Penetrant Examination Results	Vendor	COB	Hard Copies(3)	L
Magnetic Particle Examination Results	Vendor	COB	Hard Copies(3)	L
Major Defect Repair Records	Vendor	COB	Hard Copies(3)	L
Material Properties Records	Vendor	COB	Hard Copies(3)	L
Nonconformance to Procurement Documents	Vendor	COB/DCC	Hard Copies(3)/ Microfiche	L
Performance Test Records	Vendor	COB	Hard Copies(3)	L
Pipe and Fitting Location Report	Vendor	COB	Hard Copies(3)	L
User Tensile Test Reports or Reinforcing Steel	Vendor	COB	Hard Copies(2)	1

SLABCOR  
SEP 16 2  
MPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 6 of 14

APPENDIX A (Cont'd.)

LIST C (Continued)

<u>VENDORS MANUFACTURING RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER TO YAEC</u>	<u>FILE REC'T</u> (4)
Pressure Test Results (including Hydrotest)	Vendor	COB	Hard Copies(3)	L
Test Equipment Calibration Records	Vendor	Vendor	NA	0
QA System Audit Report	R&QA	DCC	Microfiche(3)	6
Radiographs, Review Forms	Vendor	COB	Hard Copies(3)	L
Ultrasonic Examination Results	Vendor	COB	Hard Copies(3)	L
Welding Filler Metal Reports	Vendor	COB	Hard Copies(3)	L
Final Inspection Reports and Releases	Vendor	COB	Hard Copies(3)	L
Vendor QA Releases	Vendor	COB	Hard Copies(3)	L

SEABROOK  
 SEP 16 2  
 NPTS  
 QA-17  
 APPENDIX A  
 1/24/80  
 Page 7 of 14



APPENDIX A (Cont'd.)

LIST D

<u>PROCUREMENT RECORDS</u>	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>(1)</u> <u>TURNOVER</u> <u>TO YAEC</u>	<u>(4)</u> <u>FILE</u> <u>REQ'T</u>
Purchaser's Pre-Award Quality Assurance Survey	R&QA	DCC	Microfiche(3)	2
Pre-Award Meeting Minutes	Purchasing	DCC	Microfiche(3)	2
Procurement Procedures	Purchasing	DCC	Microfiche(3)	0
Procurement Specification	Purchasing	DCC	Microfiche(3)	1
Purchase Order Including Amendments	Purchasing	Purchasing	Microfiche(3)	1
Audit Reports	R&QA	DCC	Microfiche(3)	6

SEAROOK  
NEP 1 & 2  
METS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 8 of 14

APPENDIX A (Cont'd.)

LIST E (typical)

CONSTRUCTION RECORDS

Receiving and Storage

Inspection Reports for Stored Items

Nonconformance Reports

Receipt Inspection Reports on Items

Receiving and Storage Inspection Procedures

Storage Inventory and Issuance Records

Vendor Surveillance Releases

Civil

Admixture Test Reports

Aggregate Test Reports

Batch Plant Operation Reports

Cement Grab Sample Reports

Concrete Cylinder Test Reports and Charts

Concrete Mix Design Reports

Concrete Placement Records

Inspection Reports for Channel Pressure Tests

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	<u>(1) TURNOVER TO YAE</u>	<u>(4) FILE REQ'T</u>
Field QC	Site QA/CGB	Hard Copies(2)	0
Field QC	Site QA/COB	Hard Copies(2)	L
Field QC	Site QA/COB	Hard Copies(2)	1
Field QC	Site QA/COB	Hard Copies(2)	2
Field QC	Site QA/COB	Hard Copies(2)	0
Vendor Surv.	Site QA/COB	Hard Copies(2)	0
Contractor	Site QA/COB	Hard Copies(2)	L
Test Lab	DCC	Microfiche	1
Contractor	Site QA/COB	Hard Copies(2)	1
Test Lab.	DCC	Microfiche	0
Test Lab.	Site QA/COB	Hard Copies(2)	L
Test Lab.	DCC	Microfiche	L
Contractor	Site QA/COB	Hard Copies(2)	L
Contractor	Site QA/COB	Hard Copies(2)	L

SEABROOK  
NEP 1 & 2  
NPPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 9 of 14

APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Civil (Continued)

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER</u> <u>TO YAEC</u>	(4) <u>FILE</u> <u>REQ'T</u>
Material Property Reports on Containment Liner and Accessories	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Metal Containment Shell and Accessories	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Reinforcing Steel	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Reinforcing Steel Splice Sleeve Material	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Steel Embedments in Concrete	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Steel Piling	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Structural Steel and Bolting	Vendor	Site QA/COB	Hard Copies(3)	L
Material Property Reports on Tendon Fabrication Material	Vendor	Site QA/COB	Hard Copies(3)	L
Mix Water & Ice Chemical Analysis	Test Lab	Site QA/COB/DCC	Hard Copies(3)/ Microfiche	L
Mixer Uniformity Test Reports	Contractor	Site QA/COB	Hard Copies(3)	L
File Drive Log	Contractor	Site QA/COB	Hard Copies(3)	L
File Loading Test Reports	Contractor	Site QA/COB	Hard Copies(3)	L
Procedure for Containment Vessel Pressure-proof Test and Leak Rate Tests and Results	Contractor	Site QA/COB	Hard Copies(3)	L

SEABROOK  
NEP 1 & 2  
NTPS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 10 of 14



APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Civil (Continued)

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YAEC</u>	(4) <u>FILE REQ'T</u>
Reinforcing Steel Splice Operator Qualification Reports	Contractor	Site QA/COB	Hard Copies(2)	0
Releases to Place Concrete	Contractor	Site QA/COB	Hard Copies(2)	0
Reports of High-Strength Bolt Torque Testing	Contractor	Site QA/COB	Hard Copies(2)	1
Slump Test Results	Test Lab	Site QA/COB	Hard Copies(2)	0
Soil Compaction Test Reports	Test Lab	Site QA/COB	Hard Copies(2)	1
User's Tensile Test Reports on Reinforcing Steel Splices	Test Lab	Site QA/COB	Hard Copies(2)	1

SEABROOK  
NEP 1 & 2  
MNP  
QA-17  
Rev. 8  
1/24/80  
Page 11 of 14

APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Welding (7)

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u>	(1) <u>TURNOVER TO YABC</u>	(4) <u>FILE REQ'T</u>
Ferrite Test Procedure	Contractor	FP	Microfiche(2)	L
Heat Treatment Procedures	Contractor	FP	Microfiche(2)	0
Liquid Penetrant Test Procedures	Contractor	FP	Microfiche(2)	L
Magnetic Particle Test Procedures	Contractor	FP	Microfiche(2)	L
Major Weld Repair Procedures	Contractor	FP	Microfiche(2)	L
Radiographic Test Procedures	Contractor	FP	Microfiche(2)	L
Ultrasonic Test Procedures	Contractor	FP	Microfiche(2)	L
Weld Procedures	Contractor	FP	Microfiche(2)	L
Weld Procedures Qualifications and Results	Contractor	FP	Microfiche(2)	L
Welding Material Control Procedures	Contractor	FP	Microfiche(2)	L

Mechanical (7)

Cleaning Procedures	Contractor	FP	Microfiche(2)	1
Construction Lifting and Handling Equipment Test Procedures	Contractor	FP	Microfiche(2)	0

SEABROOK  
SEP 1 6 2  
NOTES  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 12 of 14

APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

Mechanical <sup>(7)</sup> (Continued)

Erection Procedures for Mechanical Components

Hydro-Test Procedures

Installed Lifting and Handling Equipment Procedures

Lubrication Procedures

Safety Valve Response Test Procedures

Electrical and I & C <sup>(7)</sup>

Cable Pulling Procedures

Cable Splicing Procedures

Relay Test Procedures

<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> <sup>(1)</sup>	<u>TURNOVER TO YAEC</u>	<u>FILE REQ'T</u> <sup>(4)</sup>
Contractor	FP	Microfiche(2)	1
Contractor	FP	Microfiche(2)	L
Contractor	FP	Microfiche(2)	L
Contractor	FP	Microfiche(2)	L
Contractor	FP	Microfiche(2)	L
Contractor	FP	Microfiche(2)	0
Contractor	FP	Microfiche(2)	L
Contractor	FP	Microfiche(2)	L

SEABROOK  
NEP 1 & 2  
PARTS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 13 of 16



APPENDIX A (Cont'd.)

LIST E (Continued)

CONSTRUCTION RECORDS

General

	<u>ORIGINATOR</u>	<u>PT. OF ACCESS</u> (1)	<u>TURNOVER TO Y&amp;EC</u>	<u>FILE REQ'T</u> (4)
As-Built Drawing and Record	Contractor/Eng.	DCC	Aperture Card(3)	L
Calibration of Measuring and Test (7) Equipment and Instruments Procedure	Contractor	FP	Microfiche(2)	0
Certificate of Inspection and Test Personnel Qualification	Contractor	FP	Microfiche(2)	1
Field Quality Assurance Manual	Contractor	FP	Microfiche(2)	2
UE&C Audit Reports	R&QA	DCC	Microfiche(2)	6

SEAROOK  
NEP 1 & 2  
MINTS  
QA-17  
APPENDIX A  
Rev. 8  
1/24/80  
Page 14 of 14