- SEABROOK PROJECT	NEW HAMPSHIRE YANKEE
TITLE: NONCONFORMANCES	PROCEDURE NUMBER ASP-3
	REVISION 2
	EFFECTIVE DATE 05-15-85

PREVIOUS REVISION

NUMBER	DATE	DESCRIPTION
1	12-21-84	Entire Procedure Revised

SEABROOK STATION

DESCRIPTION OF REVISION

Incorporates IPC's 1 thru 5, Revision of NCR and CPR Forms, Maintenance of NCR/DR log, DR responsibility given to Construction and other minor editorial changes.

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APPROVALS

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Form ASP-02-01, 3/85

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1.0 SCOPE

1.1 This procedure provides the site method for initiating, dispositioning, controlling and field completion of both major and minor nonconformance reports (NCRs) and Deficiency Reports (DRs). Contractors and Startup shall meet all requirements of this procedure except as noted in the appropriate appendices.

2.0 PURPOSE

2.1 The purpose of this procedure is to assure that conditions not conforming with design requirements such as failures, malfunctions, deficiencies, deviations and defective material and equipment are identified, evaluated, dispositioned, processed and closed in a controlled and expeditious manner. The dispositioned nonconforming condition shall result in a document that provides all the required design verified technical information necessary for implementation.

3.0 REFERENCES

3.1 GEDP-0046, Response to Potential Significant Deficiencies

3.2 9763-RM-1, Instruction for Site Records Management System

3.3 ASP-9, Section XI Repairs and Replacement to Items Stamped N, NA or NPT

3.4 QA-15, Nonconforming Material, Parts or Components

3.5 QP-1, Trending

3.6 QP-2, Corrective Action

3.7 QP-3, Stop Work

3.8 TPI-11, Work Requests

3.9 TPI-23, Safety Tagging

3.10 TP-23, Project Reference Manual

3.11 AP-48, Home Office Review and Issue of Significant Deficiencies [10CFR50.55(1)]

3.12 Pullman Procedure XV-2, Procedure for Handling NCRs

3.13 PTL QC-CNR-1 - Control and Reporting Nonconformances

4.0 GENERAL

4.1 Responsibilities

Any organization or person may report a nonconforming condition by initiating a Contractor Problem Report (CPR) for discrepant conditions

in another discipline or when another Contractor is responsbile. Personnel performing quality functions (QA, QC, Field Engineers, etc.) shall initiate NCRs. Any organization may initiate a DR for non-safety related deficiencies within their disicpline. Personnel performing non-quality functions may report safety related deficiencies on a CPR.

NOTE: Titles shown below are positions or applicable designees.

4.1.1 The Construction Director and Project Construction QA Manager shall be responsible for overall implementation of this procedure.

4.1.2 The Director of Engineering and Licensing shall have overall responsibility for all engineering activities.

4.1.3 The Engineer (UE&C) shall be responsible for completing, reviewing and approving the disposition of Major nonconformances on the Nonconformance Report/Deficiency Report Form (Attachment 1) and shall provide all design information necessary to implement the disposition. The Engineer shall also assure that Major NCRs and DRs received for disposition are controlled and resolved in a timely manner and justify "Accept-As-Is" or "Repair" dispositions.

4.1.3.1 Project Engineering Manager (PEM) shall have overall responsibility for personnel providing dispositions for Major NCRs and DRs including responses for Potential Significant Deficiencies.

4.1.3.2 Discipline Engineering Manager (DEM) shall be responsible for the overall quality of dispositions of Major NCRs and DRs provided by his discipline, including evaluating and responding to Potential Significant Deficiencies.

4.1.3.3 Discipline Office Supervisor (DOS) and/or Discipline Field Supervisor (DFS) shall be responsible for assignment of qualified personnel for their respective disciplines to disposition Major NCRs and DRs in a timely manner and the overall technical and administrative quality of these dispositions.

4.1.3.4 Engineering Administrator - Office Group (EA/OG)/Field Group (EA/FG) - shall be responsible for receiving, logging, tracking, status monitoring and distributing (for disposition) Major NCRs and DRs within the engineering organization. The group shall also be responsible for entering the disposition status from Major NCRs and DRs into the Change Document Tracking System. They shall transmit dispositioned original Major NCRs and DRs as described in Paragraph 5.6.1.

4.1.3.5 Records Management Group - shall be responsible for stan-

dard distribution of Major NCRs and DRs after dispositioning and to maintain files of all NCRs/DRs including revisions.

4.1.4 Site Contractors (Applies to all groups issuing NCRs/DRs. See Paragraph 4.1).

4.1.4.1 The Contractor's QA/QC organization shall be responsible for preparing and approving the description of the nonconformance/deficiency, processing and field completion of NCRs. The Contractor's QA/QC Organization shall also log DRs as an administrative function.

4.1.4.2 The Contractor's construction organization shall be responsible to perform the required action in accordance with the approved disposition of the NCR. Construction personnel shall also be responsible for initiating and performing required action in accordance with the approved disposition of the DR and verifying the completion of the DR disposition.

4.1.4.3 The Contractor shall be responsible for dispositioning Minor NCRs and their distribution.

4.1.4.4 The Contractor shall be responsible for the transmittal to SBYDCC of the completed DR's and associated documentation as non-quality records in accordance with reference 3.2.

4.1.5. The Project Construction Quality Assurance Manager shall be responsible for implementation of the Site QA/QC Program. He shall assure compliance to this procedure through his Audit/Surveillance organization.

4.1.6 Westinghouse - The Westinghouse site representative (working with the DOS/DFS) shall review and disposition those NCRs which affect Westinghouse equipment. The Westinghouse representative shall provide any special instructions on the NCR.

4.1.7 Central Data Entry Group (CDEG) - The CDE operators are responsible for entering bulk data and modification sheets into the CDT system.

4.2 Definitions

4.2.1 Accept-As-Is - A disposition by Engineering indicating that the discrepancy is within the requirements of the applicable codes and does not affect safety, performance and maintainability, and that the item under consideration can be used for its intended purpose. This disposition must be substantiated by data provided on the NCR/DR.

4.2.2 Affected Documents - Design documents covering the component specifically modified by the NCR/DR disposition.

4.2.3 Change Document Tracking (CDT) System - CDT is a computerized system for tracking the status of design changes. For further details see TP-23, Project Reference Manual.

4.2.4 Contractors - Includes Startup Test Department (STD), UE&C, YAEC and all other site Contractors.

4.2.5 Contractor Problem Report (CPR) - A CPR replaces the "Contractor Incident Interface Report" and handles the following:

a. Nonconforming/Deficient Conditions suspected in another discipline area.

b. Damage to a work item which is the responsibility of another contractor or discipline.

c. A vehicle for non-quality (non QA/QC) construction personnel to report a nonconforming condition to the applicable quality organization.

4.2.6 Deficiency Report (DR) - A document which identifies a discrepant condition involving non-safety related materials, parts, services, components or activities.

4.2.6.1 Minor deficiencies in non-safety related items, which can be resolved by Contractor using one of the following dispositions are not required to be documented on a Deficiency Report and do not require disposition by UE&C Engineering.

a. Restoration

b. Scrap (return to UE&C warehouse)

c. Return to supplier (Contractor supplied material only)

d. Documentation deficiencies with the exception of Owner-supplied material requirements.

NOTE: Minor deficiencies in non-safety related items shall be identified and tracked using the PCS program. The Contractor construction organization shall determine the manner in which minor deficiencies in non-safety related items will be corrected.

4.2.6.2 Major deficiencies in non-safety related items which cannot be resolved using one of the dispositions in Paragraph 4.2.6.1 shall be documented by the Contractor construction organization on a Deficiency Report. UE&C Engineering evaluation and disposition of Deficiency Reports is required.

4.2.7 Design Documents - Drawings, specifications, vendor foreign prints, calculations and related documents (e.g., NCR, ECA) pertaining to the permanent plant design.

4.2.8 Field Work Complete - This is a computer status which indicates that the work required by the disposition of the NCR/DR is complete, and that the responsible QA/QC personnel have verified and accepted the completed work for those NCRs requiring QC acceptance. This status is to track when all field work is accomplished and accepted, making the NCR/DR condition "Field Complete."

4.2.9 Final Acceptance Inspection - A phase of construction/fabrication during which items, activities, or documents are in the completion stages of a specific portion of work.

4.2.10 Hold Tag - A status tag (See Attachment 7) attached to items that are nonconforming and documented on an NCR beyond which no work shall be performed unless otherwise permitted by this procedure.

4.2.11 Item Identity - Method used to identify items such as cable reel number, instrument, valve and equipment numbers, pipe spool and pipe line numbers or heat code numbers.

4.2.12 Limited Work Authorization (LWA) is utilized to request movement, or other limited activities on a controlled basis to nonconforming construction items which are on HOLD.

4.2.13 Nonconformance/Deficiency - A deficiency in characteristics, documentation or procedure which renders the quality of an item unacceptable or indeterminate after final acceptance inspection. Examples of nonconformances include: physical defects, test failures, incorrect or inadequate documentation or deviation from prescribed processing, inspection or test procedures.

Note 1: Unsatisfactory items and conditions which can be corrected at the time of inspection or during subsequent in-process activities in accordance with approved procedures are not required to be documented on an NCR/DR. When an approved procedure is not available, the nonconformance shall be documented on an NCR/DR form for disposition. All nonconformances identified after final acceptance inspection shall be documented on an NCR/DR form.

Note 2: An inspection of a completed portion of an item or activity that is not procedurally required to be inspected again shall be considered to be a final acceptance inspection. General inspection of an entire system, item or equipment, i.e., walkdown inspections and other so-called final inspections do not qualify as a final acceptance inspection within the context of this procedure.

4.2.14 Nonconformance Report (NCR) - A document which identifies a safety related and/or ASME Code discrepant condition involving a material, part, component, service or activity. A nonconformance shall be classified either Major or Minor.

4.2.14.1 Minor Nonconformance - A safety related discrepancy which can be resolved by the Contractor using one of the following dispositions. UE&C Engineering disposition is not required.

Note: A deficiency that is found during in-process inspection or final acceptance inspection (as described in Paragraph 4.2.1, Notes 1 and 2) that can be corrected in accordance with an approved procedure shall be documented on an inspection report. With exception of the correction of specific surface conditions permitted by Project specifications, documents or procedures, discreptant conditions identified on ASME Section III Code stamped components shall be documented as a major NCR. A deficiency that is found after final acceptance inspection that can be repaired by an approved procedure shall be documented on an NCR/DR form.

a. Restoration

b. Scrap (Return to UE&C warehouse)

c. Return to supplier (Contractor supplied material only)

d. Documentation deficiencies, except the following which must be documented on a Major NCR:

1) Owner-supplied material/items, and

2) Missing inspection records required by specification and/or code(s) which cannot be regenerated by re-inspection, i.e., missing process sheets on which in-process inspections required by the ASME Code were documented but attributes requiring inspection are no longer accessible.

4.2.14.2 Major Nonconformance - A safety related discrepancy which does not meet the Minor nonconformance criteria. UE&C Engineering evaluation and disposition is required. All ASME Section XI repairs and replacements except for maintenance, shall be considered Major nonconformances.

4.2.15 Nonconformance Review Board (NRB) - An advisory board to assist Engineering in evaluating and dispositioning NCRs as requested.

4.2.16 Potential Significant Deficiency [10CFR50.55(e)] - Deficiency found in design and/or construction, which, were it to have remained uncorrected, could have adversely affected the safety of operation of the nuclear power plant at any time throughout the expected lifetime of the plant. For additional details, see Attachment 4.

4.2.17 Project Quality Trending Program - A single, project-wide trending program which includes NCR/DR input.

4.2.18 Reference Documents - Related documents which are not modified by the NCR/DR.

4.2.19 Reject - A disposition used when a nonconforming item is unsuitable for its intended purpose and when it is not economically feasible to repair it.

4.2.20 Repair - A disposition which permits the reprocessing of a nonconforming item to bring it into an acceptable condition in conformance with the applicable codes but which still departs from original requirements. Complete repair instructions, must be provided on the NCR/DR. Repairs utilizing ASME Section XI shall be in accordance with the ASP-9 program.

4.2.21 Restoration - The process by which an item is made to conform to original requirements by completion or correction. Replacements using ASME Section XI shall be in accordance with the ASP-9 program.

4.2.22 Return to Supplier/Vendor - A disposition indicating that the item is to be returned to the Supplier for repair or replacement.

4.3 Attachments

4.3.1 Attachment 1 - Nonconformance Report (NCR)/Deficiency Report (DR) Form and Continuation Sheet (2 sheets)

4.3.2 Attachment 2 - Preparation of Nonconformance Report Form (4 sheets)

4.3.3 Attachment 3 - Flow Chart No. 1, Requirements for Providing Disposition to NCR/DR

4.3.4 Attachment 4 - Flow Chart No. 2, Processing Potential Significant Deficiencies (2 sheets)

4.3.5 Attachment 5 - Limited Work Authorization (LWA)

4.3.6 Attachment 6 - LWA Completion and LWA Tag

4.3.7 Attachment 7 - Hold Tag and Instructions, Startup Test Department (STD) Status Indicator

4.3.8 Attachment 8 - Contractor Problem Report

4.3.9 Attachment 9 - Design Change Document Modification Sheet

4.3.10 Attachment 10 - Nonconformance Report Partial Release Sheet

4.4 Appendices

The appendices specify unique activities of the listed Contractors who will utilize other procedures for implementation of their nonconformance programs.

4.4.1 Appendix A - UE&C

4.4.2 Appendix B - Startup

4.4.3 Appendix C - Pullman-Higgins

4.4.4 Appendix D - PTL

5.0 PROCEDURE

5.1 Initiating NCRs/DRs

5.1.1 When a potential nonconforming condition is identified on a safety related, Seismic 1, Seismic 1A, upgrade B31.1 or ASME Section III Code system or component, the condition shall be evaluated to determine if an NCR is applicable. When the condition is identified as requiring an NCR, it shall be evaluated to determine the classification, Major or Minor, as defined in Section 4.0 of this procedure, and for reportability under 10CFR50.55(e) and 10CFR21.

NOTE: The reporting of an item under 10CFR50.55(e) does not impose a further requirement to report under 10CFR21 or vice versa. 10CFR21 reporting is for items (defects) involving a "substantial safety hazard" and shall be performed in accordance with each Contractor's applicable procedure(s). If further guidance is needed refer to NUREG-0302, Rev. 1.

5.1.2 The applicable QA/QC personnel shall prepare an NCR by completing the form (Attachment 1) in accordance with Attachment 2.

5.1.3 When a potential nonconforming condition is identified on a non-safety-related system or component, the condition shall be evaluated to determine if a DR is applicable.

5.1.4 Site Contractor construction personnel shall prepare a DR by completing the Form (Attachment 1) in accordance with Attachment 2.

5.1.5 NCR/DR Number Assignment

5.1.5.1 The NCR/DR numbers shall be controlled and issued by authorized numbers controller, 1) Pullman-Higgins QA

shall issue P-H NCR/DR numbers, 2) UE&C QA shall issue NCR numbers for UE&C NCR's and all other contractors, 3) UE&C Construction Discipline Superintendent shall issue DR numbers, 4) STD QC shall issue NCR/DR numbers. The activity shall be called NCR/DR Numbers Control. The personnel issuing the NCR/DR numbers shall be called the NCR/DR Numbers Controller.

a. Managers will assign and train an adequate number of personnel to assure person assigned to NCR/DR Numbers Control will be available at all times. However, the number of personnel authorized as NCR/DR number controllers will be as limited as possible.

5.1.5.2 The NCR/DR numbers shall sequentially consist of:

a. first two digits-contractor ID;

b. a sequential number - per contractor ID; (Justify to right, do no proceed with 0)

c. The last digit shall be a capital alpha to denote the revision. The initial issue shall be alpha Character "A".

NOTE:	Contractor ID	Sequential Number from Log	Indicates Initial Issue (Revision)
	45	123	A

5.1.5.3 The controllers shall maintain an NCR log and a DR log for each contractor or discipline designation. The log shall have columns for each of the following:

a. NCR or DR numbers

b. initiator's initials

c. BIP

d. building

e. unit

f. system

g. description

h. major/minor

i. date field complete

j. controller's initials - the controller shall enter his/her initials after initial input and Field Work, complete input.

5.1.5.4 In order for the initiator to obtain an NCR/DR number, the following information shall be given to the controller:

a. initiator's group code

b. type - NCR or DR

c. major or minor

d. initiator's initials

e. BIP

f. building

g. unit

h. system

i. description

Following logging the information, the controller will issue the NCR or DR number.

5.1.5.5 Each Contractor QA/QC or Construction Organization shall obtain NCR/DR numbers from the applicable NCR/DR Numbers Control Group. The Numbers Control Group shall maintain a log that will control and monitor the status of individual NCRs/DRs from inception through field completion.

5.1.5.6 The person requiring a revision to an existing NCR/DR will contact the NCR/DR Number Controller and provide the number of the existing NCR/DR. The controller will enter the next revision level and the date of revision into the "Date Field Complete" column of the log adjacent to the initial entry, which indicates that the initial NCR/DR has been revised. The controller shall then enter the revised NCR/DR into the log in accordance with Paragraph 5.1.5.3. The initial issued NCR/DR will be stamped or marked "Superceded" and processed in the same manner as a void NCR/DR. The revised NCR/DR shall be processed in the same manner as the original issue.

NOTE: CDT is a tracking process which will record the following pertaining to an NCR/DR:

1. NCR/DR number and the information in Paragraph 5.1.5.4.

2. Disposition date, key words, reference documents and affected documents.

3. Date "field complete" and status change.

5.1.6 NCR/DR

5.1.6.1 The discrepant condition shall be described on the NCR/DR with sufficient information to permit evaluation of the condition by the group providing the disposition.

5.1.6.2 The Contractor shall submit the original NCR/DR form for a Major nonconformance/deficiency to the applicable discipline EA/OG or EA/FG for processing. He may provide a recommended solution for a major discrepant condition on a continuation sheet (Page 2 of Attachment 1). Any discrepancy identified by the Contractor as a potential 10CFR50.55(e) violation shall be promptly forwarded to Engineering Administration for processing per Flow Chart 2, Attachment 4.

5.1.6.3 Minor NCRs shall be processed in accordance with Attachment 3. A minor NCR that has been identified by the contractor as a potential 10CFR50.55(e) shall be forwarded to the Engineering Administrator via a speed letter with the (gold) engineering copy attached. The speed letter shall note the NCR number and that it is a potential 10CFR50.55(e). Engineering will acknowledge the receipt of the speed letter by signing and return the appropriate portion of the speed letter to the sender. Responsibility for assurance that the speed letter has been acknowledged rests with the originator. Engineering will process the potential 10CFR50.55(e), in accordance with Attachment 4.

5.1.6.4 When the NCR/DR is initiated, the applicable numbers controller shall input into CDT by their terminal or send a copy to CDEG for inputting to CDT.

a. After the CDEG has entered the NCR/DR information into CDT, CDEG will return the copy to the originating controller.

b. The controller shall enter on the log that the NCR/DR copy was returned by initialling in the appropriate column in the log. (The copy may be subsequently discarded.

5.1.6.5 The Control Data Entry Group will, on a scheduled and/or

demand basis, provide a listing of NCR/DR status sorted by Initiator's Group Code.

5.2 Cause for Use of the Contractor Problem Report (CPR)

5.2.1 Damage to items (nonconforming/deficient condtion) which is the responsibility of another contractor or if a contractor discovers a suspected nonconformance/discrepancy in another discipline area of responsibility, he shall report it to the applicable Contractor's or discipline organization via CPR (Attachment 8) for evaluation. After evaluation all qaulity related CPRs shall be transmitted to the applicable QA/QC Contractor organization. All non-quality CPR shall be sent to the initiator.

5.2.2 Non-Quality (Construction and/or Engineering) personnel shall report nonconforming conditions to the applicable organization via CPR.

5.2.3 The issuing group shall establish a log that is adequate to verify that the CPR was closed by the applicable contractor. This verification shall take place upon the return of the closed CPR.

5.2.4 The applicable Contractor's organization shall control each CPR received. He shall maintain a working file of the item through completion/closure and forward a copy of each closed CPR to the initiator.

5.2.5 Nonconforming conditions for equipment which has been turned over to STD but has not been "N" stamped shall be handled as follows:

5.2.5.1 The person that discovers a nonconformance shall report it to Startup Quality Control via a Contractor Problem Report (CPR) (see Attachment 8).

5.2.5.2 Startup Quality Control shall sequence and control each CPR received. SQC shall maintain a working file of the item through completion/closure and forward a copy of each closed CPR to the initiator.

5.2.6 Nonconforming conditions for equipment which has been turned over to STD but has not been "N" stamped shall be handled as follows:

5.2.6.1 Nonconformance reports shall be issued by the "N" and "NA" Certificate Holders for the ASME System until they are "N" stamped.

5.2.6.2 At the time of initiation of an NCR on "Turned-Over" ASME System, the initiator shall notify the Startup Manager/Designee of the NCR's origination. This notification may be by telephone, with the notifier documenting the telecon in the description section of the NCR. The telecon must denote the authorized STD representative's name and the

date of notification.

5.2.6.3 Prior to placement of a "Hold" tag on the nonconforming condition, a STD Status Indicator (Attachment 7) must be placed on the Hold tag by either STD or the applicable QA/QC organization. The status indicator will be considered STD's acknowledgement that they have been notified.

5.2.6.4 Upon receipt of notification, STD shall implement TPI-23 for personnel or equipment protection as required for the nonconforming condition.

5.2.7 Processing of Open CIIRs Generated Prior to Effective Date of ASP-3 - Open CIIRs generated prior to the effective date of this procedure (January 21, 1985) shall continue to be processed in accordance with the last revision of Engineering and Contractor procedures that was in effect prior to the revision which initially incorporated the requirements of ASP-3. However, if it should become necessary to revise one of these previously CIIRs after the effective date of ASP-3, a new CPR shall be initiated and processed in accordance with the provisions of ASP-3 and the superceded CIIR closed accordingly.

5.3 Work Affecting Hardware Under the Jurisdiction of Start-up

5.3.1 Contractor personnel shall not perform work associated with NCR/DR dispositions affecting hardware under the jurisdiction of the STD unless written authorization has been obtained in accordance with TPI-11, Work Requests.

5.3.2 The STD shall have the option of performing work on dispositioned NCRs/DRs in accordance with TPI-11. Work to be performed on nonconforming conditions for equipment which has been turned over to the STD but has not been "N" stamped will be assigned to the responsible certificate holder.

5.4 Maintaining Status of Nonconforming Items (NCRs)

5.4.1 Tagging & Segregation

5.4.1.1 Nonconforming items shall be tagged by the responsible, initiating organization with the contractor's appropriate Hold tag (Attachment 7). The Hold tag shall only be removed by the responible QA/QC organization.

NOTE: Hold tags are applicable to both Major and Minor NCRs.

5.4.1.2 When practical, nonconforming items shall be stored in a segregated area to prevent their inadvertent use or instal-

lation until the disposition is accomplished. When it is not practical to separate an item because of its physical size or when there is concern that the item or its identification could be lost, the item shall be clearly tagged to prevent its inadvertent use.

5.4.2 Limited Work Authorization

A Limited Work Authorization Request (Attachment 5) is initiated by the Contractor who is requesting to perform controlled limited activities on a nonconforming item.

5.4.2.1 Nonconforming items requested to be moved out of the receiving and storage areas while on "Hold" status, work requested to be performed on nonconforming items or conditions which have not yet been dispositioned and items on "Hold" which require work other than that specified on the NCR disposition, shall be tagged with an LWA tag, adjacent to the Hold tag, before the item or condition can be moved or otherwise processed on a controlled limited basis. Prior to tagging, a Limited Work Authorization Request (Attachment 5) shall be initiated and approved. The LWA Request shall clearly identify the reason and any limitations or precautions. The individual responsible for the disposition of the NCR/DR shall approve and list the limitations and/or precautions on the LWA Request. The applicable QA/QC Manager shall approve and issue the approved LWA Request to the originator. The original LWA Request will be logged and controlled by QA/QC. Copies shall be attached to the original NCR/DR.

5.4.2.2 Testing and component use by Startup Test Department may proceed on nonconforming items, without issuance of an LWA Tag/Request Form or dispositioned NCR/DR, if the NCR/DR has been evaluated by STD and determination has been made by STD that testing or component use will not effect the nonconforming condition or cause further degradation of the item.

5.4.2.3 An LWA can be issued to cover more than one (1) NCR.

5.5 Providing Dispositions to NCRs/DRs

5.5.1 Major NCRs and DRs

5.5.1.1 Engineering Administrator, Office Group or Field Group, shall upon receipt of a Major NCR or DR from the responsible organization, log, assign and distribute it to the DOS or DFS for evaluation. The EA/OG or EA/FG shall maintain copies of all unanswered Major NCRs and DRs.

5.5.1.2 Upon receipt of a Major NCR, the Discipline Office Supervisor (DOS)/Discipline Field Supervisor (DFS) shall evaluate the discrepant condition for potential 10CFR 50.55(e) in accordance with instructions provided in Attachment 4, Flow Chart No. 2.

5.5.1.3 The DOS/DFS shall provide dispositions to NCRs/DRs to assure compatibility with design requirements. The DOS/DFS shall evaluate the NCR/DR for generic implications and retrofit requirements.

5.5.1.4 The DOS/DFS will determine when interface with vendor/supplier (such as Westinghouse) is required for NCR/DR dispositions and shall obtain any required approvals.

5.5.1.5 The DOS/DFS will interface with the other engineering disciplines/groups, and UE&C QA for NCR/DRs dispositioned "Return to Vendor" and/or the Startup Test System Test Engineer (STE), as needed, and shall obtain any required reviews. For ASME Section XI Repair/Replacement the DOS/DFS shall denote YNSD Engineering as an interdiscipline reviewer.

5.5.1.6 For ASME Section XI repairs and replacements, the requirements of ASP-9 shall be implemented. The DEM shall notify YAEC Engineering of development of a repair program as described in ASP-9.

5.5.1.7 The DOS/DFS shall attach to the NCR/DR any sketches, letters, telephone conversation memos, or written information. Calculations shall be referenced, as design justification, etc., when they are a necessary part of the disposition. As pages are added to the NCR, each sheet shall be identified to reflect the correct sequential page number, starting with Attachment 1 numbered as Page 1 of ____. The total quantity of included pages shall be the second number. As pages are added by different groups in processing the NCR/DR, the total quantity of "included pages" will be changed accordingly by lining out the second number and correcting the quantity to reflect the "new" total number of pages. Each page shall additionally be identified with NCR/DR report type and number.

5.5.2 Minor NCRs

5.5.2.1 The designated Contractor person as defined in Contractor procedures shall disposition the Minor NCR utilizing the definitions in Paragraphs 4.2.6.1 and 4.2.6.2, respectively.

5.5.2.2 Upon completion and approval of the disposition, a copy of the NCR shall be sent to the appropriate work group Super-

visor for implementation.

5.6 Distribution of Dispositioned NCRs/DRs

5.6.1 Major NCRs and DRs

5.6.1.1 EA/OG or EA/FG will transmit dispositioned original Major NCRs to the applicable Contractor's QA/QC organization and the original DR's to the originator of the DR. One copy of the NCR/DR to the a contractor, Central Data Entry Group and the Records Management Group. For items turned over to STD, the Contractor copy will be sent to STD.

5.6.1.2 The Records Management Group shall distribute Major NCRs and DRs.

5.6.2 Minor NCRs

5.6.2.1 Minor NCRs shall be distributed as deemed necessary by the responsible Contractor organization after disposition. This distribution shall include, as a minimum, an information copy to the applicable UE&C Engineering discipline.

5.6.2.2 Upon field completion of the Minor NCR, the QA/QC organization shall status CDT on their terminal or send a copy to CDEG for entry into CDT. Distribution as deemed necessary will be done by the responsible Contractor organization.

5.7 Implementation of NCR/DR Dispositions

5.7.1 The Contractor, upon receipt of dispositioned NCR/DR, shall implement the disposition in accordance with applicable site procedures. On NCR items, work will not proceed beyond the hold tag until the applicable Contractor QA/QC personnel has affixed a LWA/Repair Tag to the nonconforming item. The Startup Test Department shall implement NCR dispositions via the Work Request without the issuance of an LWA or Repair Tag (see Appendix B, Note 3.0). The Contractor's construction copy of the dispositioned NCR shall be available in the general area of the disposition implementation.

5.7.2 Upon receipt of the dispositioned NCR, the Contractor QA/QC Manager will immediately review the NCR disposition in detail. Conditions requiring corrective action shall be handled in accordance with QP-2. If significant problems are found that violate code or quality requirements he shall issue a Stop Work Order (SWO) in accordance with QP-3. The SWO will not be lifted until the issue is resolved. Minor problems will be resolved by interfacing with the applicable parties.

5.7.3 The ANI concurrence of dispositions for ASME related NCRs is the

responsibility of the ASME N Type Certificate Holders and this responsibility shall be defined in their ASME programs.

5.7.4 The Contractor's assigned work group Supervisor shall ensure that the work required by the DR disposition is performed in accordance with applicable site procedures and any special written instructions.

5.8 Partial Releases on NCRs/DRs

5.8.1 Those NCRs/DRs which list multiple nonconforming conditions/deficiencies may require a partial signoff to release the corrected items for which field work has been completed and accepted.

Example: Twenty six (26) valves put on hold due to several deficiencies. Some of the valves may require rework and some may be "accept-as-is". Those valves which were dispositioned "accept-as-is" could be released by QA to avoid construction delays.

5.8.2 Partial releases shall be documented on the Nonconformance Partial Release Sheet (Attachment 10) until the entire NCR/DR can be signed off and accepted as complete.

NOTE: At present, CDT will not maintain status of "Partial Releases." CDEG will enhance the program to include "Partial Releases."

5.9 NCR/DR Revisions

5.9.1 Technical changes shall be made by revising the NCR/DR, using a capital letter next to the number (see Paragraph 5.1.5.2). Subsequent revisions shall be noted by changing the revision letter to the next higher letter. "Field Complete" or "Voided" NCRs/DRs shall not be reopened or revised. If changes are necessary, a new NCR/DR shall be issued which references the original NCR/DR number.

5.9.2 When revision to the NCR/DR disposition is necessary, the DOS/DFS shall request the initiating organization to process the new revision using the same controls as used on the previous issue. The initiating organization may initiate a revision of the NCR/DR when deemed necessary.

5.9.3 Each NCR/DR revision shall be complete and will supersede prior revisions. All contents of the superseded NCRs/DRs which are still valid, shall be included in the revised NCR/ DR.

5.9.4 Changes shall be clearly identified by "clouding" the change. Clouds identifying prior revisions may be left on the NCR/DR. Each cloud will be identified with a Delta revision letter next to the cloud.

5.9.5 Any non-technical changes to an NCR/DR which correct administrative/typographical errors (Reference Documents, Keywords) or added infor-

mation shall be documented on a Design Change Document Modification Sheet (Attachment 9) and forwarded to the Centralized Data Entry Group (CDEG) for entry into CDT. CDEG will forward the Design Change Document Modification Sheet to the holder of the original NCR/DR for attachment to the original NCR/DR. Distribution of the Design Change Document Modification Sheet is not required. Changes made in this manner shall not be considered as a formal revision to the NCR.

NOTE 1: The Design Change Document Modification Sheet shall not be used for changes to the Affected Documents section of the NCR/DR.

NOTE 2: In lieu of using the Design Change Document Modification Sheet, the dispositioner may make minor corrections to information on the original NCR/DR during the disposition cycle by lining through the incorrect entry, entering the corrected information and initialing and dating adjacent to the correction.

If the correction requires extensive changes to the NCR/DR disposition, the NCR/DR shall be returned to the initiator along with a statement of the problem that is signed and dated by the dispositioner.

5.10 Voiding NCRs/DRs

5.10.1 If it is required to void an NCR/DR, it shall be stamped or marked "VOID". The reason for voiding the NCR/DR shall be stated on the NCR/DR and signed by the person voiding the NCR/DR and each authorized person (approvers of the description and disposition) who had previously approved the NCR/DR. The number assigned to a voided NCR/DR shall not be reused. The originating organization shall status CDT on their terminals or forward a copy to CDEG to update CDT and forward a copy of the void NCR/DR to the person that originated the NCR/DR. If the NCR/DR had been dispositioned by Engineering and distributed, the NCR/DR shall be revised, marked "VOID" and processed in the same manner as the previous issue. The "Issue Date" space must be filled in. The NCR log will be updated to reflect that the NCR is void.

5.11 Revising Affected Documents

5.11.1 Criteria

NCRs/DRs shall list all affected documents, however, only NCRs/DRs listing the following "Affected Documents" shall be incorporated on design documents. Incorporation shall be within 60 days from the NCR/DR disposition issue date. The NCR/DR shall be referenced on the affected document when the change is incorporated.

a. Building General Arrangement Drawings showing Equipment Locations

b. Process and Instrumentation Diagrams

c. Loop and Logic Diagrams

d. Electrical One Line Diagrams

e. Specifications (safety related only)

f. Electrical Schematics

g. CASP

h. Set Point Data List (Dwg M-500376)

i. Computer I/O List (Dwg M-510004)

j. Standard Instrument Schedule (Dwg M-510000)

k. FSAR

5.11.2 The CDT System will list all affected documents (See TP-23).

5.11.3 On a quarterly basis, the PEM shall provide to the Director of Engineering and Licensing an assessment of unincorporated NCRs/DRs exceeding the 60 day criteria.

5.12 Nonconformance Review Board (NRB)

5.12.1 The NRB will assist engineering, when requested, in evaluating and dispositioning NCRs.

5.12.2 The NRB is comprised of representatives from:

a. UE&C Project Field QC. The Project Field QC Manager serves as chairman.

b. UE&C Site Engineering - Site Engineer.

c. UE&C Construction Discipline Superintendent.

d. Westinghouse Representative - when NSSS items are involved.

e. YAEC - Field QA.

f. Others - As necessary for technical assistance or upon request.

g. The Project Owner's Construction Management Organization will be given the option to attend meeting.

5.12.3 Convening the Board

The board chairman will convene the board when:

a. Requested by a member of the NRB.

b. Requested by engineering to assist in evaluation of an NCR for potential 10CFR50.55(e).

c. Requested by engineering for a NCR or DR that is complicated and requires clarification.

d. Requested by Engineering to evaluate recurring nonconformance trends which requires discussion for immediate corrective action to be taken by the Contractors.

5.12.4 The Authorized Nuclear Inspector (ANI) is not a member of the NRB but may participate as an observer at his option. The NRB chairman shall notify the ANI of the date and time of the meeting.

5.12.5 It is the responsibility of the chairman to maintain the records for the board. This includes, but is not limited to, the notes of meetings that will clearly reflect the board's recommendation.

5.13 Field Completion NCR/DR

5.13.1 NCRs

5.13.1.1 When the disposition has been implemented the responsible Contractor supervisor shall sign and date the original NCR in the "Work Completed" block.

5.13.1.2 The Contractor QA/QC Organization will verify that the work has been completed per the NCR disposition.

5.13.1.3 If the inspection is satisfactory, the Contractor QA/QC shall document acceptance of the NCR signing and dating in the "Accepted" block, checking the "Field Work Complete" block and noting it in the NCR Log. QA/QC acceptance of NCRs that have been dispositioned "Accept As Is" shall be documented in the same manner, except that no reinspection is required.

5.13.1.4 The Contractor QA/QC Organization will status Field Work Complete on their CDT terminal or send a copy to CDEG for entry into CDT.

5.13.1.5 If the inspection is unsatisfactory, the Contractor QA/QC Organization shall notify the applicable construction designated person of the results of the inspection. If applicable, the NCR shall be revised to reflect new condition that require a new disposition.

5.13.1.6 The process described in Paragraphs 5.13.1.1 and 5.13.1.2 shall be repeated.

5.13.1.7 "Field Complete" original NCRs shall be processed per Paragraph 7.1.

5.13.2 DRs

5.13.2.1 When the disposition of the DR has been implemented and verified by construction, the Contractor's responsible supervisor shall sign and date the original DR in the "Work Completed" block, check off the "Field Work Complete" block and indicate "N/A" in the "Accepted" block.

5.13.2.2 A copy of the DR shall be forwarded to the applicable Number Controller (initiating organization) who shall update the DR status in the DR log.

5.13.2.3 A copy of the "Field Work Complete" DR shall be forwarded to the CDEG for entry into the CDT by the initiating organization

5.13.2.4 The original DR, including associated documentation generated, shall be processed per paragraph 7.1.

5.13.3 The applicable Numbers Controller shall be responsible for logging the "Field Complete" status into their manual log.

5.14 Processing of Open NCRs/DRs Generated Prior to the Effectiv(Date of ASP-3

NCRs/DRs (including NRFs) generated prior to the effective date of this procedure (as shown on the Cover Page) shall continue to be processed in accordance with the last approved revision of the Engineering/Contractor procedure that was in effect prior to the implementation date of ASP-3. However, if it is necessary to revise the nonconforming/deficient condition of an NCR/DR which was generated prior to the implementation date of ASP-3, the NCR/DR shall be revised and processed in accordance with the provisions of ASP-3 with the exception that the previous NCR/DR number will be retained and the revision shall be elevated to the next higher number.

6.0 TRENDING PROGRAM

6.1 The Project Quality Trending Program requires input from NCRs/DRs. NCRs/DRs will be trended in accordance with Procedure No. QP-1.

6.2 Each NCR shall be evaluated by the initiating Contractor's QA/QC organization for significant conditions which require corrective action. When such conditions exist, the CAR "required" box on the NCR form will be checked, and a CAR will be issued.

7.0 RECORDS/INFORMATION MANAGEMENT SYSTEM (IMS)

7.1 "Field Work Complete" NCRs/DRs, including voided NCRs/DRs, shall be processed by the initiating organization in accordance with RM-1, "Instructions for Site Records Management System." The Contractor's responsible Supervisor shall perform the required first level review of the Field Work Complete DR and associated documentation generated, and thereafter transmit them to the cognizant Discipline Supervisor for the second level review. NCR's will be processed in accordance with the Contractor's procedure for review and turnover of Quality records.

APPENDIX A

UE&C

1. UE&C shall comply with UE&C QA-15 for initiation of NCRs.

2. UE&C QA-15 shall incorporate the essential elements of ASP-3.

APPENDIX B

Startup Test Department

1.0 An item determined to be potentially reportable by STD shall be documented on a Nonconformance Report/Deficiency Report in accordance with this procedure.

2.0 Major nonconformances shall be documented on a "Nonconformance Report/Deficiency Report" in accordance with this procedure.

3.0 The disposition of nonconformances that requires field work shall be implemented using a Work Request. The Work Request shall be used in lieu of issuing an LWA Tag or Repair Tag as a status indicator.

4.0 Minor nonconformances do not have to be documented on a "Nonconformance Report/Deficiency Report" providing one of the following conditions is met:

4.1 The nonconformance may be resolved by complying with Startup Test Department, Test Program Instruction No. 11, Work Requests (TPI-11), and

4.1.1 The item or component can be restored to its original configuration shown on the design documents using existing procedures, or

4.1.2 The item can be scrapped and replaced with another component of identical type and function, or

4.1.3 The item can be returned to the supplier for replacement of identical type and function under the original purchase order.

4.2 The nonconformance may be resolved using Startup Test Department Test Program Instruction No. 64, Test Performance (TPI-64) for test failures and inadequate test procedure documentation.

4.3 The nonconformance may be resolved using Startup Test Department Test Program Instruction No. 63, Field Changes (TPI-63) for deviations from prescribed test procedures.

4.4 If a minor Nonconformance Report is deemed necessary it shall be prepared by the STE and/or the SQC Engineer in accordance with Attachment 2. After the NCR is prepared and a number obtained from the NCR/DR Numbers Controller, the SQC Manager shall approve the minor NCR. The original minor NCR shall then be forwarded to the responsible STE for dispositioning in accordance with Attachment 2. He/she shall disposition the NCR utilizing the information outlined in section 4.2.14.1 and then sign prepared by portion of the form. An individual designated by the STD

APPENDIX B

Startup Test Department (continued)

Manager shall review the disposition and, after concurring, shall be returned to the SQC Group for approval by the SQC Manager, prior to implementation. After the NCR disposition is approved and also after Field Work Complete copies shall be distributed to STD, NHY QA, Central Data Entry Group and UE&C Engineering. After the field work is complete the NCR shall be processed in accordance with Attachment 2.

5.0 For STD "82" series NCRs, the initiator shall contact the responsible System Test Engineer for an evaluation of the nonconformance for effect on STD activities. This notification for evaluation may be by telephone, with the SQCE documenting the telecon in the description section of the NCR. The telecon must denote the authorized STD representative's name and date of notification, and limitations imposed by STD if any, as applicable. If possible, the STE shall make a written statement, signed and dated, (in lieu of the telecon).

5.1 If the STD has evaluated the NCR and concluded that no harm would be caused by STD use and/or testing, a STD status indicator will be attached to the hold tag prior to placement. STD activities can only continue on nonconforming items covered by the evaluation or Limited Work Authorization.

APPENDIX C

Pullman - Higgins

1. P man shall comply with Pullman procedure XV-2 for ASME and XV-2 NNS for ..l applications.

2. The above mentioned Pullman procedures shall incorporate the essential elements of ASP-3.

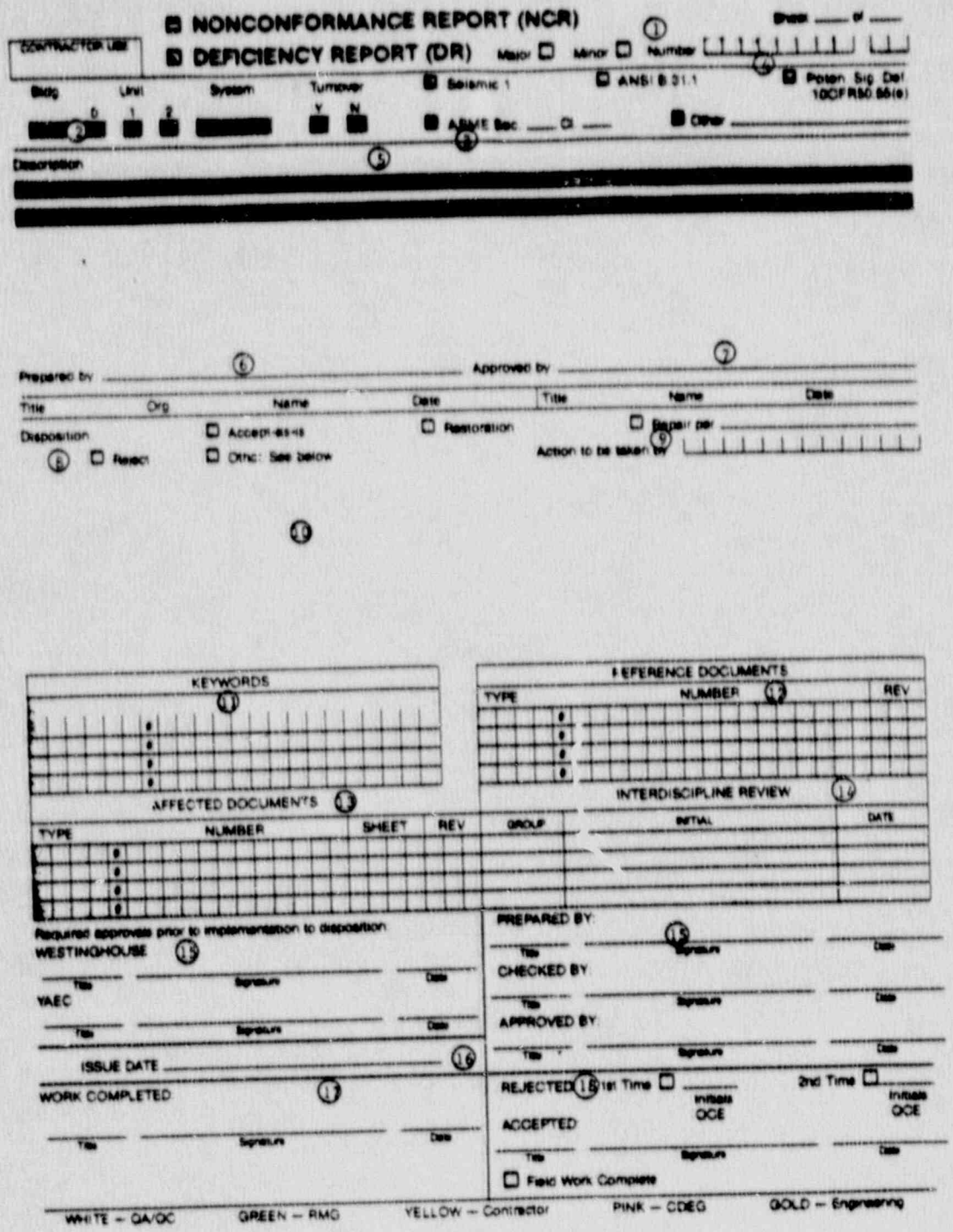
APPENDIX D

Pittsburgh Testing Laboratory

All of the requirements of ASP-3 will be adhered to with the exception of the following:

1. Off-Site Services will be controlled by existing PTL procedure QC-CRN-1.

2. The responsibilities designated in Paragraphs 4.1.4.1 and 4.1.4.2 will be the responsibilities of the PTL Site Manager.



ATTACHMENT 1 (Page 1 of 2)

Page _____ of _____

NONCONFORMANCE REPORT CONTINUATION SHEET # _____

KEYWORDS

REFERENCE DOCUMENTS		
TYPE	NUMBER	REV

AFFECTED DOCUMENTS			
TYPE	NUMBER	SHEET	REV

Description: (This information will not be fed into the CDT system. This space is only to further clarify the condition).

Disposition Continued: (This information will not be fed into the CDT system. This space is only to further clarify the condition).

PREPARATION OF NONCONFORMANCE REPORT/DEFICIENCY REPORT

The numbers used in these instructions are the same as the numbers shown on the sample form, Attachment 1.

1. REPORT TYPE/NUMBER

Indicate the type of report being dispositioned (NCR [Major or Minor] or DR). The Major/Minor blocks shall not be completed for DRs. The first two digits (Contractor ID) are the Contractor Discipline Codes. The next six characters are the NCR/DR numbers which are assigned by CDT. The last position is alpha for revision level. The initial issue shall be "A". The preparer shall obtain a number from the applicable NCR/DR Numbers Control Group upon preparation of the NCR/DR.

Block indicated "Contractor Use" is reserved for use by the initiating contractor.

2. BUILDING, UNIT AND SYSTEM

Insert Codes (Unit 1 or 2). If an NCR/DR applies to both Units 1 and 2, indicate Unit 0. If the non-conformance/deficiency applies to both units, check block 0. If the change applies to additional systems, list the others as Keywords. Codes shall be identical to those delineated in TP-23. Indicate whether the NCR has been turned over to STD (Yes or No).

3. CODE DESIGNATION

Mark the applicable box to show code designation.

4. POTENTIAL SIGNIFICANT DEFICIENCY 50.55(e) (NCRs Only)

Check box if evaluation results in this finding or if questionable. If box is checked, see Flow Chart 2, Attachment 4. If box is not checked the NCR/DR has been evaluated and a "significant deficiency" was not identified. On DRs, this box should not be checked.

5. NONCONFORMANCE/DEFICIENCY DESCRIPTION

The allowable quantity of letters that can be input into CDT is delineated in this space; therefore, provide a concise description of the nonconformance/deficiency. Identify the part of the structure affected (i.e., "El. 6'-0"). If further description is necessary, add the information on a continuation sheet under the heading "Description". Additionally provide item identity in this area. If there is not enough space, provide the identity on the NCR/DR continuation sheet.

6. PREPARED BY

The preparer shall sign name, show title and print name and date.

7. REVIEW AND APPROVAL OF NONCONFORMANCE/DEFICIENCY

For NCRs, the applicable Contractors QA/QC organization shall prepare and approve the description of the nonconformance/deficiency. The approver shall sign name, show title and print name and issue date. The Contractor's Construction Supervisor shall review and approve the DR.

8. DISPOSITION

Check applicable disposition action. Those Major NCRs dispositioned "Return to Vendor" shall include UE&C QA review for inclusion of QA requirements. QA shall initial in "interdiscipline review" block to indicate review.

9. ACTION TO BE TAKEN BY:

It is the Engineer's responsibility to assign the responsible Discipline/Contractor for implementation of the Disposition. Include more than one contractor, when applicable, in the "action to be taken by" block.

10. DISPOSITION SPACE

The disposition to the nonconformance shall be provided and must be concise, accurate, and complete. Technical justification shall be included as applicable. The NCR/DR disposition shall be reviewed for generic implications and retrofit requirements. If more space is required, additional sheets shall be added. See Paragraph 5.5.1.7. Major NCRs dispositioned "Return to Vendor" (Repair/Replacement) shall list the QA requirements under the Engineer's disposition or as a continuation of the disposition.

11. KEYWORDS

Add Keywords which provide means of retrieving data from CDT. Also, keywords are to be used to identify types of problems dispositioned for use in the NCR Trending Program. Add BIP(s). (See TP-23.)

12. REFERENCE DOCUMENTS

List Reference Documents and latest revision number.

13. AFFECTED DOCUMENTS

List all design documents and latest revision number covering the component specifically modified by the NCR/DR disposition. Both Units 1 and 2 documents shall be listed, if applicable.

14. INTERDISCIPLINE REVIEW

Interdiscipline review shall be performed by all groups listed. The discipline reviewer shall initial and date the box indicating acceptance of the proposed disposition as it affects his work. Review/Approval may be obtained via

telephone if both parties agree. The initials of the reviewer/ approver shall be printed in the space followed by the initials of preparer if telephone approval is obtained. All "Interdiscipline Review" initials must be on the form prior to release of the dispositioned NCR/DR to the Contractor.

15. REQUIRED SIGNATURES

Major NCRs and DRs

The preparer and checker of the disposition print their names, sign, and date for UE&C Engineering. A "UE&C Approver" reviews the design, prints his name, signs, and dates the disposition. If Westinghouse or YAEC (for Section XI) review is required, an approval signature and date shall be obtained after required UE&C reviews have been completed. All "Required Signatures" must be on form prior to the release of the dispositioned NCR/DR to the Contractor.

Minor NCRs

The applicable Contractor personnel shall print name and date and sign the disposition of Minor NCRs similar to the manner required for "Responsibilities of UE&C Engineering", listed below.

Responsibilities of UE&C Engineering

The following personnel working under the supervision of DOS/DFS shall complete dispositions for Major NCRs and for DRs.

a. UE&C Preparer

1) Prepares NCR/DR disposition and includes all attachments to comply with requirements of this procedure.
2) Inspects specific site location as required to resolve the nonconformance.
3) Consults as needed with Contractor/Construction Management and other available sources, both in Field and Home Office, to develop solution.
4) Reviews or provides technical solution and technical justification to nonconformance based on a complete investigation of nonconformance. Prepares calculations and sketches as required.
5) Reviews the NCR/DR for generic implications and retrofit requirements.
6) Completes list of Reference Documents.
7) Completes list of Affected Documents and Keywords.
8) Lists Interdiscipline Reviewers and any other reviewers.

b. UE&C Checker

1) Determines that sufficient detail work has been completed to support solution and is included as attachment to the NCR/DR.

2) The checker provides the independent design verification and the technical adequacy of the solution and justification. This includes

any associated calculations, and verifies that all data entered on the NCR/DR form and attachments are complete and accurate in accordance with ANSI N45.2.11.

3) Reviews the NCR/DR for generic implications and retrofit requirements.

4) Verifies that the required interdisciplinary and other group reviews are correctly listed on the NCR/DR and have been satisfactorily performed.

c. UE&C Approver

1) Reviews the technical content of the solution.
2) Satisfies himself that disposition is in accordance with good engineering practices.
3) Satisfies himself that preparer and checker have been correctly selected to perform the engineering work.
4) Determines that work is necessary and that project schedule is not unduly affected.
5) Determines that solution is generally consistent with that provided for similar types of questions.

16. DISPOSITION DATE

Show date NCR/DR issued for working disposition.

17. WORK COMPLETED

Contractor's Construction Supervisor shall sign and date the line to signify the disposition has been completed.

18. INSPECTION

NCR's

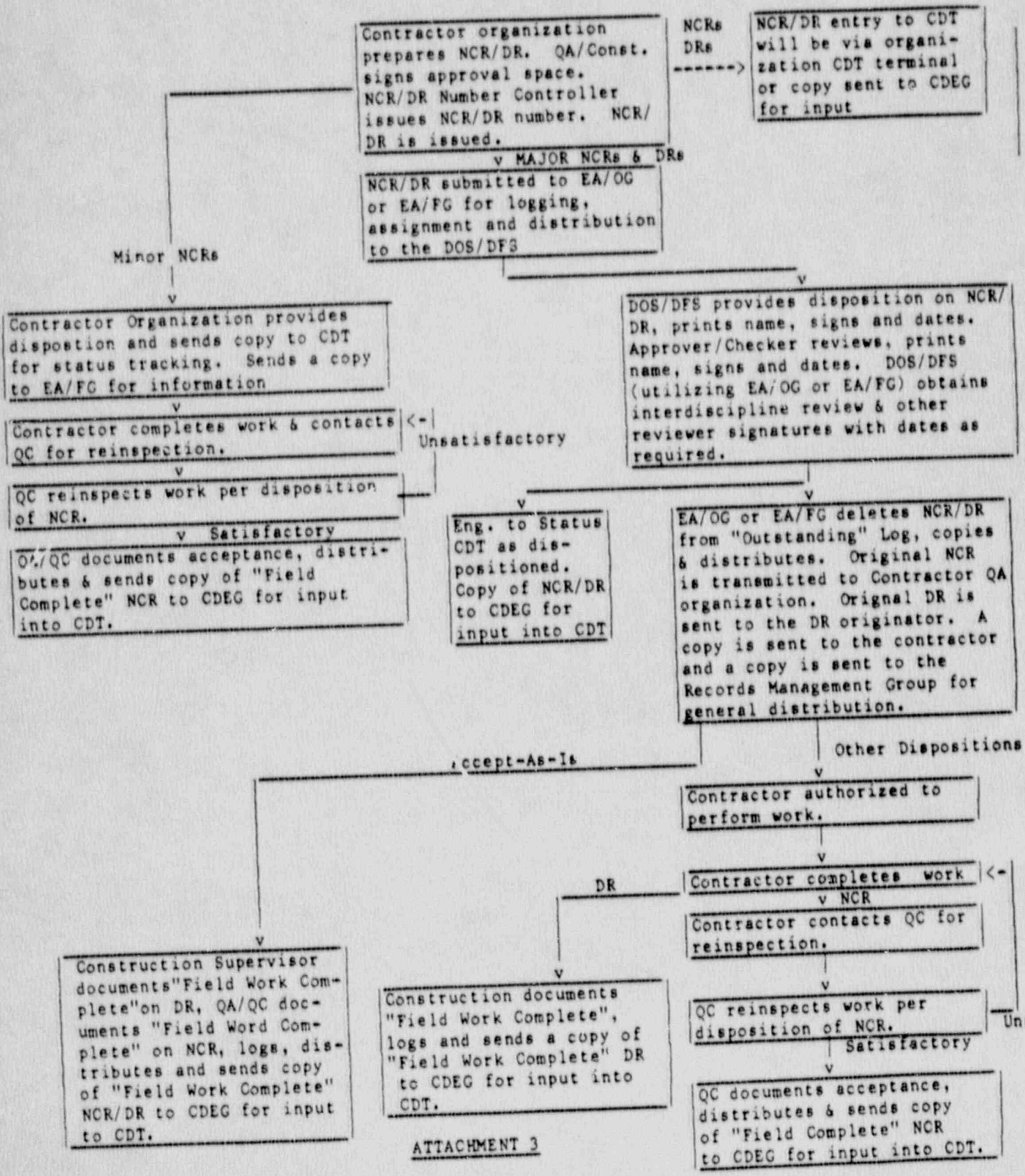
Contractor's QA/QC Group shall sign the space for reinspection and acceptance block and list Inspection Report Numbers (see Paragraphs 5.13.1.5 and 5.13.1.6 for unacceptable inspections). Once an acceptable inspection has been verified and signed off by the QA/QC group, the inspector shall check off the "Field Work Complete" block. QA/QC acceptance of NCRs that have been dispositioned "Accept As Is" shall be documented in the same manner except that no inspection report numbers shall be noted.

DRs

The Construction Supervisor shall "N/A" in the "Accepted" block. The person responsible for signing off the "Work Complete" block will check the "Field Work Complete" block when the required work per the DR disposition has been completed.

FLOW CHART NO. 1

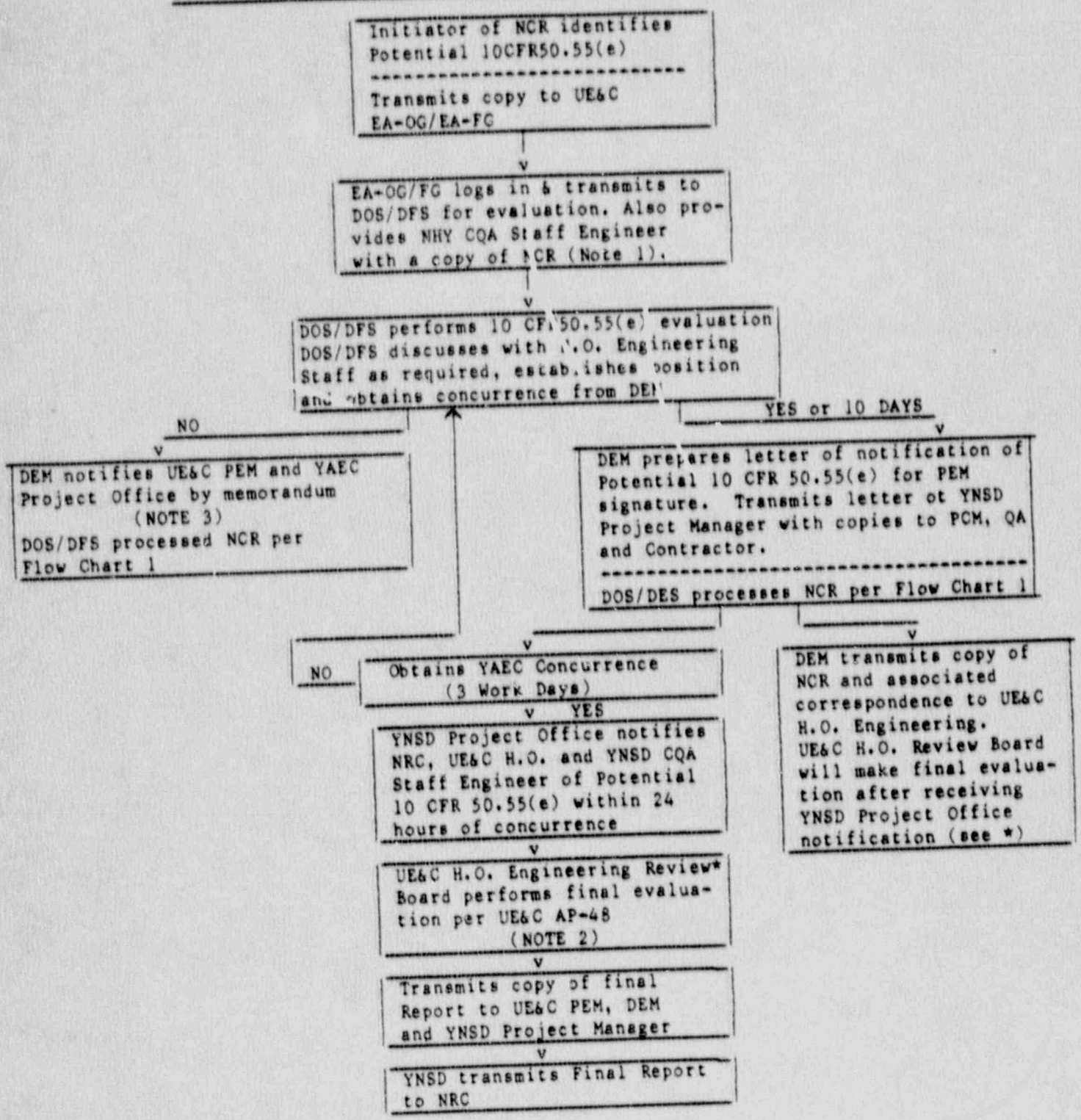
REQUIREMENTS FOR PROVIDING DISPOSITION TO NCR/DR



ATTACHMENT 3

FLOW CHART NO. 2

PROCESSING POTENTIAL SIGNIFICANT DEFICIENCIES - 10CFR50.55(e)



ATTACHMENT 4

FLOW CHART NO. 2

NOTES

NOTE 1: Upon receipt of NCRs which have been identified as a potential 10 CFR 50.55(e) the EA-OG-FG shall log-in and transmit the NCR to DOS/DFS for evaluation and disposition. Also provide NHY CQA Staff Engineer with copy of NCR. A ten (10) day evaluation period shall commence from the date of log-in by the EA-OG/FG. If the evalutaion can not be completed witin ten (10) calendar days from the date of log-in by the EA-OG/FG, the NCR must be reported as a potential 10 CFR 50.55(e) item to the YAEC Project Manager.

NOTE 2: Home Office Engineering Review Board shall, within twenty-five (25) days from the date that the potential 50.55(e) items are reported by YNSD to the NCR, conduct a follow-up review and when the item is resolved a Final Report shall be written by the Review Board for transmittal to YNSD, PEM and DEM.

NOTE 3: The DEM prepares a memorandum for review and approval by PEM to the Director of Engineering and Licensing (DEL) stating the technical justification rationale used in the non-reportability determination.

LIMITED WORK AUTHORIZATION REQUEST NO. | | | | | | | | Rev. | |

Item Identity	Rip Affected

Related NCR No. _____ Rev. No._____

Reason for LWA request & intended work to be performed:

Requested by: _____
Organization Title Signature Date

Restrictions and/or Precautions:

Approved by: _____
Organization Title Signature Date

Release for Limited Use:

Status of item(s) has been reviewed including all NCRs covering the item(s). Inspection Hold Points shall not be bypassed and work shall not progress beyond the following point to permit accessibility to the item(s):

_____
Organization Title Signature Date

LWA denied for the following reason:

_____
Organization Title Signature Date

ACTION COMPLETED _____
Signature Title Organization Date

LWA CLOSED by verification of ACTION COMPLETED _____
OR NCR CLOSED-NCR # _____ Signature Title Date

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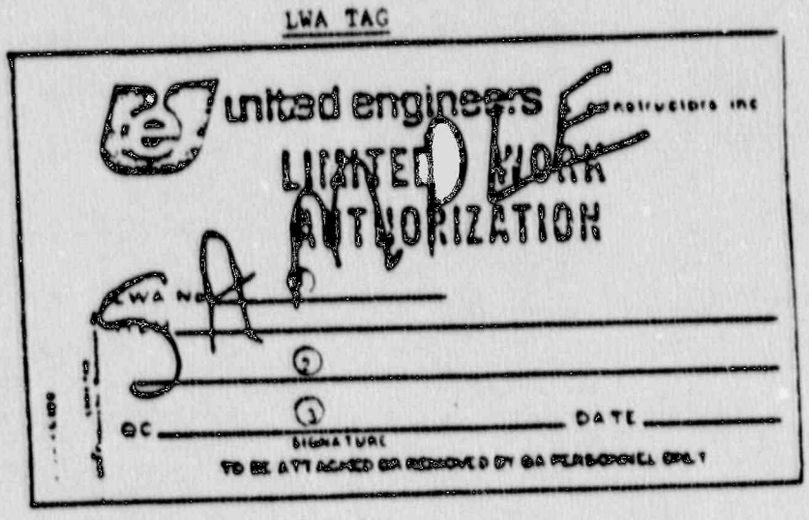
ATTACHMENT 5

LWA COMPLETION

1. Contractor QA shall assign the LWA number
2. Initiator shall list the related NCR
3. The initiator shall list related drawings and specifications
4. The initiator shall fill in the Contractor PO number or discipline, as appropriate
5. The initiator shall fill in the key words
6. The initiator shall fill in the reason for request and the organization requesting the request
7. Initiator for LWA shall have individual responsible for disposition approval of the corresponding NCR approve and list the limitations and precautions, as applicable
8. Contractor QA/QC Manager shall approve and issue
9. The LWA requestor shall sign ACTION COMPLETE when the work stipulated on the LWA is complete
10. Signature of Contractor QA/QC person verifying ACTION COMPLETE
11. If the ACTION COMPLETE block is not signed off prior to NCR field completion, the LWA will be closed based on the NCR field completion

LWA TAG



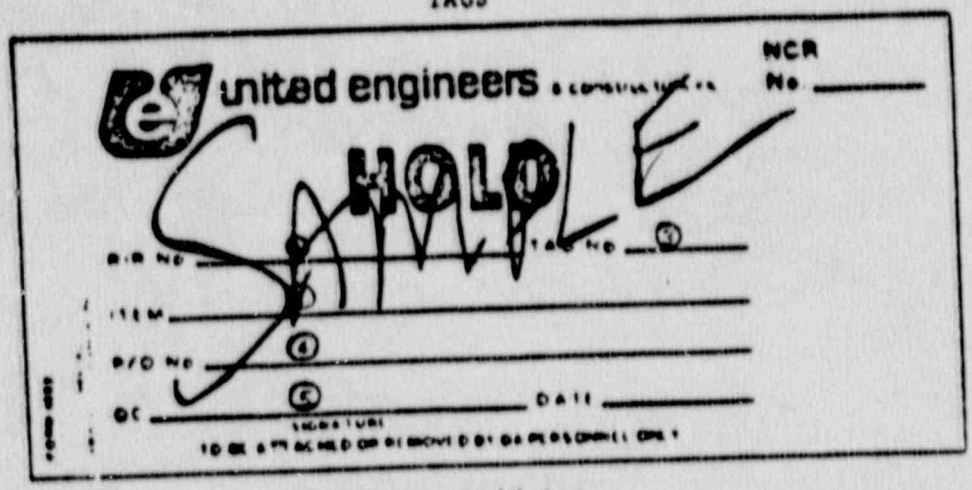
1 LWA Tag No.

2 Item identify and limits of activities

3 Contractor QC Personnel responsible for tag placement

NOTE: Contractor may use his own tag to maintain status "Limited Work" to a nonconforming/deficient condition.

TAGS



NOTE: Contractor may use his own hold tag.

1 Receiving inspection report or quality inspection report

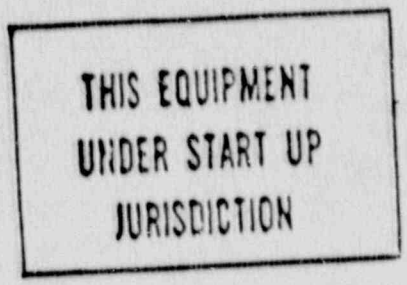
2 Item number and/or description of exact NCR condition (condensed)

3 Hold Tag number assigned to "Hold"

4 P/O No. when used for receiving or location coordinates for use in field

5 Signature of responsible Contractor QC Inspector/Engineer and date

STD Status Indicator



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ATTACHMENT 7

CONTRACTOR PROBLEM REPORT INSTRUCTION

1) Contractor organization/group that initiates CPR i.e., UE&C Civil.

2) Initiators CPR number.

3) Contractor organization/group that has responsibility for the discrepant condition.

4) Control number to be entered by the organization receiving the CPR, if applicable.

5) Item number, node number or other unique identification.

6) Location of discrepancy.

7) Sheet numbers as applicable.

8) BIP

9) Concise description of the problem/potential nonconformance signed and dated by the person generating CPR.

10) Evaluation of the discrepancy to be performed by the contractor/group for CPR's generated against STD equipment this evaluation to be performed by the responsible STE. The person performing the evaluation shall sign and date the section.

11) This section shall be filled in with a concise description of all action taken to resolve/identify the descrepancy. If the item was identified on an NCR/DR, the applicabele number shall be inserted in the appropriate place. The action taken shall be signed by the responsible Construction Supervisor/STE for non-safety items and signature by the QA/QC Manager for safety related items. This signature acknowledges closure of the CPR.

CONTRACTOR PROBLEM REPORT

(1) Initiators Organization	(2) CPR No.	(3) Issued To:	(4) Control No.
Item Identification: (5)	Location: (6)		Sht. (7) of BIP # (8)

Description of Problem:

(9)

Generated By:

Title | Signature | Date

Evaluation:

(10)

Title | Signature | Date

DISCREPANCIES:	The following action has been taken:
☐ NCR No. ☐ Dr No. ☐ N/A	(11) Approved By: Title | Signature | Date

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ATTACHMENT 8

DESIGN CHANGE DOCUMENT MODIFICATION SHEET

CHANGE DOCUMENT TO BE MODIFIED:

TYPE | GROUP | NUMBER | REV

SECTION I. (TRANSACTION "MDCD")
FILL IN ONLY THOSE FIELDS THAT ARE AFFECTED

INITIATOR

DATE INITIATED | | | DATE REQUIRED | | |

BIP NUMBER

BUILDING | UNIT | SYSTEM

RESP. CONTR. | ADD/DEL | RESP. CONTR. | ADD/DEL

SECTION II (TRANSACTIONS "AMULTS" AND/OR DMULTS")
MULTIPLE BIPS, SYSTEMS OR BUILDINGS

BIPS | A/D | SYSTEMS | A/D | BLDGS | A/D

SECTION III (TRANSACTIONS "AREF AND/OR "MREF")
REFERENCE DOCUMENTS (DRAWINGS, ETC.)

TYPE | NUMBER | SHEET | AFF REV | ACTION (A,M,D,) | NEW AFF REV

DESIGN CHANGE DOCUMENTS

TYPE | NUMBER | ACTION (A,D)

ASP-3, Attachment 9, 1-85

ATTACHMENT 9

Page _____ of _____

NCR # _____

DR # _____

NONCONFORMANCE REPORT

PARTIAL RELEASE SHEET # _____

Item ID	Action Completed Signature-Title Date	Reinspected & Accepted By QA Dept. Rep. - Title-Date

ATTACHMENT 10

NEW HAMPSHIRE YANKEE/SEABROOK PROJECT

INTERIM PROCEDURE CHANGE

PROCEDURE NUMBER	REVISION NUMBER	IPC NUMBER	EFFECTIVE DATE
ASP-3	2	1	05-24-85

1. JUSTIFICATION:

To adjust procedure for use of new NCR form.

2. AFFECTED PARAGRAPHS:

4.1	5.1.6.4	5.10.1	
4.1.4.1	5.2.1	11.3.11	
4.1.4.2	5.2.4		
4.1.4.4	5.2.5		
5.1.5.2.b	5.6.1.1		
5.1.5.3.i	5.7.1		

AFFECTED ATTACHMENTS:

Attachment 1
Attachment 2
Attachment 6
Attachment 11

3. EXISTING REQUIREMENTS:

See existing procedure.

4. CHANGE SYNOPSIS:

Adjusts procedure to reflect changes on printed form. Minor additional changes made. Added requirement for 15 day status report on open CPRs.

5. INSTRUCTIONS:

Remove and replace Table of Contents (Pages i and ii), and pages 2, 3, 8, 9, 10, 11, 12, 16, 28, 29, 31, 32, 38 of 43.
Add pages 31A and 43A.

Initiated by:	Signature	Title	Date
Approved by: Director of Engineering and Licensing	Signature		Date
Approved by: Project Construction Quality Assurance Manager	Signature		Date
Approved by: Construction Director	Signature		Date

Form ASP-2-02, 3/85

TABLE OF CONTENTS

in another discipline or when another Contractor is responsbile. Personnel performing quality functions (QA, QC, Field Engineers, etc.) shall initiate NCRs. Personnel performing non-quality functions may report safety related deficiencies on a CPR. Construction personnel shall initiate DRs. IPC 1

NOTE: Titles shown below are positions or applicable designees.

4.1.1 The Construction Director and Project Construction QA Manager shall be responsible for overall implementation of this procedure.

4.1.2 The Director of Engineering and Licensing shall have overall responsibility for all engineering activities.

4.1.3 The Engineer (UE&C) shall be responsible for completing, reviewing and approving the disposition of Major nonconformances on the Nonconformance Report/Deficiency Report Form (Attachment 1) and shall provide all design information necessary to implement the disposition. The Engineer shall also assure that Major NCRs and DRs received for disposition are controlled and resolved in a timely manner and justify "Accept-As-Is" or "Repair" dispositions.

4.1.3.1 Project Engineering Manager (PEM) shall have overall responsibility for personnel providing dispositions for Major NCRs and DRs including responses for Potential Significant Deficiencies.

4.1.3.2 Discipline Engineering Manager (DEM) shall be responsible for the overall quality of dispositions of Major NCRs and DRs provided by his discipline, including evaluating and responding to Potential Significant Deficiencies.

4.1.3.3 Discipline Office Supervisor (DOS) and/or Discipline Field Supervisor (DFS) shall be responsible for assignment of qualified personnel for their respective disciplines to disposition Major NCRs and DRs in a timely manner and the overall technical and administrative quality of these dispositions.

4.1.3.4 Engineering Administrator - Office Group (EA/OG)/Field Group (EA/FG) - shall be responsible for receiving, logging, tracking, status monitoring and distributing (for disposition) Major NCRs and DRs within the engineering organization. The group shall also be responsible for entering the disposition status from Major NCRs and DRs into the Change Document Tracking System. They shall transmit dispositioned original Major NCRs and DRs as described in Paragraph 5.6.1.

4.1.3.5 Records Management Group - shall be responsible for standard distribution of Major NCRs and DRs after dispositioning and to maintain files of all NCRs/DRs including revisions.

4.1.4 Site Contractors (Applies to all groups issuing NCRs/DRs. See Paragraph 4.1).

4.1.4.1 The Contractor's QA/QC organization shall be responsible for preparing and approving the description of the nonconformance, processing and field completion of NCRs. | IPC 1

4.1.4.2 The Contractor's construction organization shall be responsible to perform the required action in accordance with the approved disposition of the NCR. Construction personnel shall also initiate and control DRs, perform required action in accordance with the approved disposition of the DR and verifying the completion of the DR disposition. | IPC 1

4.1.4.3 The Contractor shall be responsible for dispositioning Minor NCRs and their distribution.

4.1.4.4 The Contractor shall be responsible for the transmittal to SBYDCC of the completed NCRs and DRs and associated documentation as required by 9763-RM-1. | IPC 1

4.1.5. The Project Construction Quality Assurance Manager shall be responsible for implementation of the Site QA/QC Program. He shall assure compliance to this procedure through his Audit/Surveillance organization.

4.1.6 Westinghouse - The Westinghouse site representative (working with the DOS/DFS) shall review and disposition those NCRs which affect Westinghouse equipment. The Westinghouse representative shall provide any special instructions on the NCR.

4.1.7 Central Data Entry Group (CDEG) - The CDE operators are responsible for entering bulk data and modification sheets into the CDT system.

4.2 Definitions

4.2.1 Accept-As-Is - A disposition by Engineering indicating that the discrepancy is within the requirements of the applicable codes and does not affect safety, performance and maintainability, and that the item under consideration can be used for its intended purpose. This disposition must be substantiated by data provided on the NCR/DR.

4.2.2 Affected Documents - Design documents covering the component specifically modified by the NCR/DR disposition.

4.3.9 Attachment 9 - Design Change Document Modification Sheet

4.3.10 Attachment 10 - Nonconformance Report Partial Release Sheet

4.3.11 Attachment 11 - Standard Prefix Code Numbers/Contractor Codes |IPC 1

4.4 Appendices

The appendices specify unique activities of the listed Contractors who will utilize other procedures for implementation of their nonconformance programs.

4.4.1 Appendix A - UE&C

4.4.2 Appendix B - Startup

4.4.3 Appendix C - Pullman-Higgins

4.4.4 Appendix D - PTL

5.0 PROCEDURE

5.1 Initiating NCRs/DRs

5.1.1 When a potential nonconforming condition is identified on a safety related, Seismic 1, Seismic 1A, upgrade B31.1 or ASME Section III Code system or component, the condition shall be evaluated to determine if an NCR is applicable. When the condition is identified as requiring an NCR, it shall be evaluated to determine the classification, Major or Minor, as defined in Section 4.0 of this procedure, and for reportability under 10CFR50.55(e) and 10CFR21.

NOTE: The reporting of an item under 10CFR50.55(e) does not impose a further requirement to report under 10CFR21 or vice versa. 10CFR21 reporting is for items (defects) involving a "substantial safety hazard" and shall be performed in accordance with each Contractor's applicable procedure(s). If further guidance is needed refer to NUREG-0302, Rev. 1.

5.1.2 The applicable QA/QC personnel shall prepare an NCR by completing the form (Attachment 1) in accordance with Attachment 2.

5.1.3 When a potential nonconforming condition is identified on a non-safety-related system or component, the condition shall be evaluated to determine if a DR is applicable.

5.1.4 Site Contractor construction personnel shall prepare a DR by completing the Form (Attachment 1) in accordance with Attachment 2.

5.1.5 NCR/DR Number Assignment

5.1.5.1 The NCR/DR numbers shall be controlled and issued by authorized numbers controller, 1) Pullman-Higgins QA

shall issue P-H NCR/DR numbers, 2) UE&C QA shall issue NCR numbers for UE&C NCR's and all other contractors, 3) UE&C Construction Discipline Superintendent shall issue DR numbers, 4) STD QC shall issue NCR/DR numbers. The activity shall be called NCR/DR Numbers Control. The personnel issuing the NCR/DR numbers shall be called the NCR/DR Numbers Controller.

a. Managers will assign and train an adequate number of personnel to assure person assigned to NCR/DR Numbers Control will be available at all times. However, the number of personnel authorized as NCR/DR number controllers will be as limited as possible.

5.1.5.2 The NCR/DR numbers shall sequentially consist of:

a. first two digits-contractor ID;

b. a sequential number - per contractor ID; (Justify to right, do not proceed with 0) IPC 1

c. The last digit shall be a capital alpha to denote the revision. The initial issue shall be alpha Character "A".

NOTE:

Contractor ID	Sequential Number from Log	Indicates Initial Issue (Revision)
45	123	A

5.1.5.3 The controllers shall maintain an NCR log and a DR log for each contractor or discipline designation. The log shall have columns for each of the following:

a. NCR or DR numbers

b. initiator's initials

c. BIP

d. building

e. unit

f. system

g. description

h. major/minor

i. date field complete

j. controller's initials - the controller shall enter his/her initials after initial input and Field Work Complete input. |IPC 1

5.1.5.4 In order for the initiator to obtain an NCR/DR number, the following information shall be given to the controller:

a. initiator's group code

b. type - NCR or DR

c. major or minor

d. initiator's initials

e. BIP

f. building

g. unit

h. system

i. description

Following logging the information, the controller will issue the NCR or DR number.

5.1.5.5 Each Contractor QA/QC or Construction Organization shall obtain NCR/DR numbers from the applicable NCR/DR Numbers Control Group. The Numbers Control Group shall maintain a log that will control and monitor the status of individual NCRs/DRs from inception through field completion.

5.1.5.6 The person requiring a revision to an existing NCR/DR will contact the NCR/DR Number Controller and provide the number of the existing NCR/DR. The controller will enter the next revision level and the date of revision into the "Date Field Complete" column of the log adjacent to the initial entry, which indicates that the initial NCR/DR has been revised. The controller shall then enter the revised NCR/DR into the log in accordance with Paragraph 5.1.5.3. The initial issued NCR/DR will be stamped or marked "Superceded" and processed in the same manner as a void NCR/DR. The revised NCR/DR shall be processed in the same manner as the original issue.

NOTE: CDT is a tracking process which will record the following pertaining to an NCR/DR:

1. NCR/DR number and the information in Paragraph 5.1.5.4.

2. Disposition date, key words, reference documents and effected documents.

3. Date "field complete" and status change.

5.1.6 NCR/DR

5.1.6.1 The discrepant condition shall be described on the NCR/DR with sufficient information to permit evaluation of the condition by the group providing the disposition.

5.1.6.2 The Contractor shall submit the original NCR/DR form for a Major nonconformance/deficiency to the applicable discipline EA/OG or EA/FG for processing. He may provide a recommended solution for a major discrepant condition on a continuation sheet (Page 2 of Attachment 1). Any discrepancy identified by the Contractor as a potential 10CFR50.55(e) violation shall be promptly forwarded to Engineering Administration for processing per Flow Chart 2, Attachment 4.

5.1.6.3 Minor NCRs shall be processed in accordance with Attachment 3. A Minor NCR that has been identified by the Contractor as a potential 10CFR50.55(e) shall be forwarded to the Engineering Administrator via a speed letter with the (gold) engineering copy attached. The speed letter shall note the NCR number and that it is a potential 10CFR50.55(e). Engineering will acknowledge the receipt of the speed letter by signing and return the appropriate portion of the speed letter to the sender. Responsibility for assurance that the speed letter has been acknowledged rests with the originator. Engineering will process the potential 10CFR50.55(e), in accordance with Attachment 4.

5.1.6.4 When the NCR/DR is initiated, the applicable numbers controller shall input into CDT by their terminal. If a terminal is not available or is not operable, a copy of the NCR/DR will be sent to CDEG for inputting to CDT. IP 1

a. After the CDEG has entered the NCR/DR information into CDT, CDEG will return the copy to the originating controller.

b. The controller shall enter on the log that the NCR/DR copy was returned by initialling in the appropriate column in the log. (The copy may be subsequently discarded.

5.1.6.5 The Control Data Entry Group will, on a scheduled and/or

demand basis, provide a listing of NCR/DR status sorted by Initiator's Group Code.

5.2 Cause for Use of the Contractor Problem Report (CPR)

5.2.1 Damage to items (nonconforming/deficient condtion) which is the responsibility of another contractor or if a contractor discovers a suspected nonconformance/discrepancy in another discipline area of responsibility, he shall report it to the applicable Contractor's or discipline organization via CPR (Attachment 8) for evaluation. All quality related CPRs shall be transmitted to the applicable QA/QC Contractor organization. All non-quality CPRs shall be sent to the Contractor/discipline. | IPC 1

5.2.2 Non-Quality (Construction and/or Engineering) personnel shall report nonconforming conditions to the applicable organization via CPR. |

5.2.3 The issuing group shall establish a log that is adequate to verify that the CPR was closed by the applicable contractor. This verification shall take place upon the return of the closed CPR. |

5.2.4 The applicable Contractor's organization shall control each CPR received. He shall maintain a working file of the item through completion/closure and forward a copy of each closed CPR to the initiator. A status report of open CPRs is due every 15 working days. The objective is to close a CPR within 30 days. | IPC 1

5.2.5 Nonconforming conditions for equipment which has been turned over to STD but does not require "N" stamping shall be handled as follows: | IPC 1

5.2.5.1 The person that discovers a nonconformance shall report it to Startup Quality Control via a Contractor Problem Report (CPR) (see Attachment 8). |

5.2.5.2 Startup Quality Control shall sequence and control each CPR received. SQC shall maintain a working file of the item through completion/closure and forward a copy of each closed CPR to the initiator. |

5.2.6 Nonconforming conditions for equipment which has been turned over to STD but has not been "N" stamped shall be handled as follows:

5.2.6.1 Nonconformance reports shall be issued by the "N" and "NA" Certificate Holders for the ASME System until they are "N" stamped.

5.2.6.2 At the time of initiation of an NCR on 'Turned-Over" ASME System, the initiator shall notify the Startup Manager/Designee of the NCR's origination. This notification may be by telephone, with the notifier documenting the telecon in the description section of the NCR. The telecon must denote the authorized STD representative's name and the

visor for implementation.

5.6 Distribution of Dispositioned NCRs/DRs

5.6.1 Major NCRs and DRs

5.6.1.1 EA/OG or EA/FG will transmit dispositioned original Major NCRs to the applicable Contractor's QA/QC organization and the original DR's to the originator of the DR. One copy of the NCR/DR to the Contractor/discipline responsible for the implementation of the disposition, one copy to the Central Data Entry Group and one copy to the Records Management Group. For items turned over to STD, the Contractor copy will be sent to STD. IPC 1

5.6.1.2 The Records Management Group shall distribute Major NCRs and DRs.

5.6.2 Minor NCRs

5.6.2.1 Minor NCRs shall be distributed as deemed necessary by the responsible Contractor organization after disposition. This distribution shall include, as a minimum, an information copy to the applicable UE&C Engineering discipline.

5.6.2.2 Upon field completion of the Minor NCR, the QA/QC organization shall status CDT on their terminal or send a copy to CDEG for entry into CDT. Distribution as deemed necessary will be done by the responsible Contractor organization.

5.7 Implementation of NCR/DR Dispositions

5.7.1 The Contractor/discipline, upon receipt of dispositioned NCR/DR, shall implement the disposition in accordance with applicable site procedures. On NCR items, work will not proceed beyond the hold tag until the applicable Contractor QA/QC personnel has affixed a LWA/Repair Tag to the nonconforming item. The Startup Test Department shall implement NCR dispositions via the Work Request without the issuance of an LWA or Repair Tag (see Appendix B, Note 3.0). The Contractor's construction copy of the dispositioned NCR shall be available in the general area of the disposition implementation. IP 1

5.7.2 Upon receipt of the dispositioned NCR, the Contractor QA/QC Manager will immediately review the NCR disposition in detail. Conditions requiring corrective action shall be handled in accordance with QP-2. If significant problems are found that violate code or quality requirements he shall issue a Stop Work Order (SWO) in accordance with QP-3. The SWO will not be lifted until the issue is resolved. Minor problems will be resolved by interfacing with the applicable parties.

5.7.3 The ANI concurrence of dispositions for ASME related NCRs is the

mation shall be documented on a Design Change Document Modification Sheet (Attachment 9) and forwarded to the Centralized Data Entry Group (CDEG) for entry into CDT. CDEG will forward the Design Change Document Modification Sheet to the holder of the original NCR/DR for attachment to the original NCR/DR. Distribution of the Design Change Document Modification Sheet is not required. Changes made in this manner shall not be considered as a formal revision to the NCR.

NOTE 1: The Design Change Document Modification Sheet shall not be used for changes to the Affected Documents section of the NCR/DR.

NOTE 2: In lieu of using the Design Change Document Modification Sheet, the dispositioner may make minor corrections to information on the original NCR/DR during the disposition cycle by lining through the incorrect entry, entering the corrected information and initialing and dating adjacent to the correction.

If the correction requires extensive changes to the NCR/DR disposition, the NCR/DR shall be returned to the initiator along with a statement of the problem that is signed and dated by the dispositioner.

5.10 Voiding NCRs/DRs

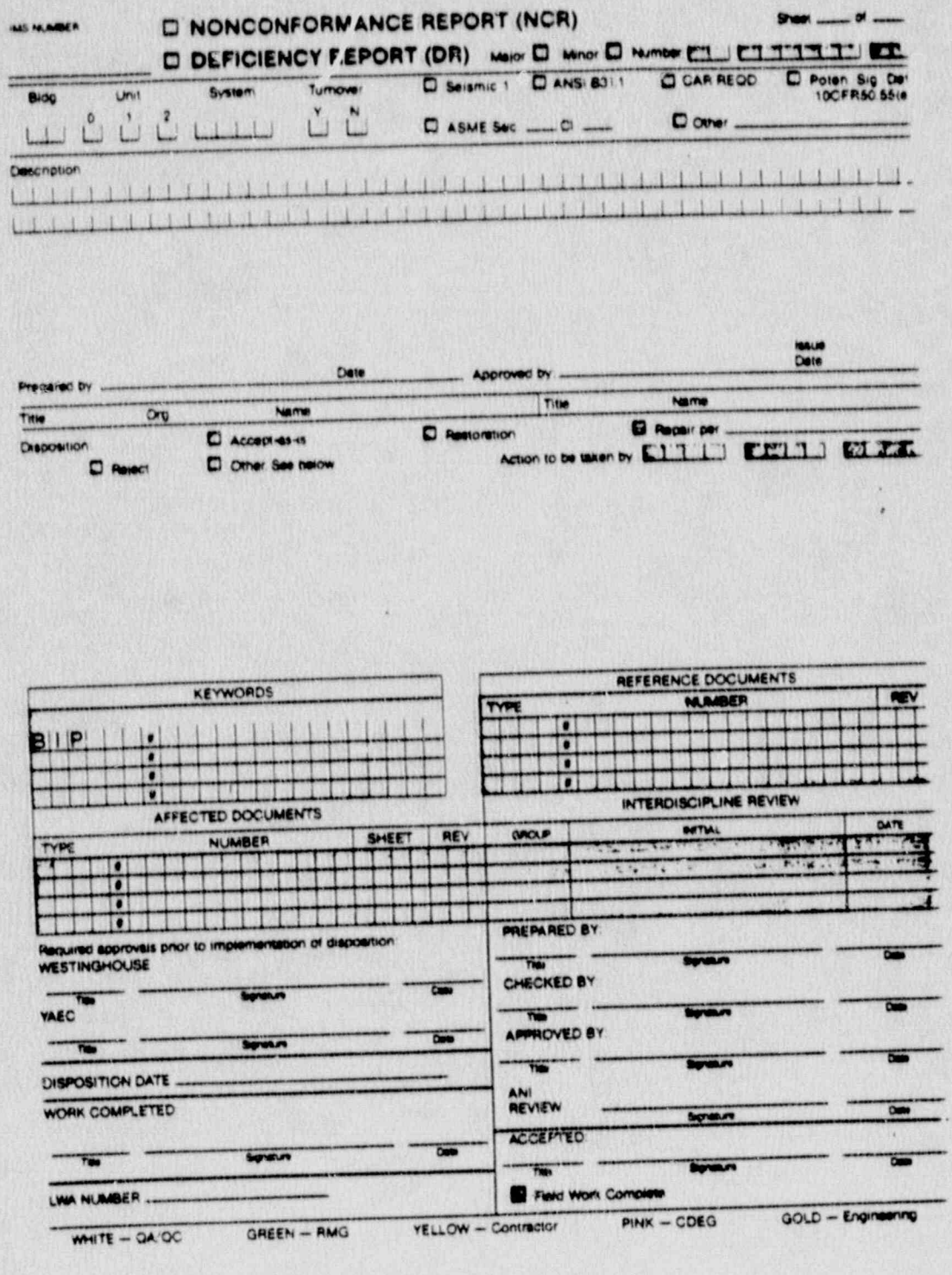
5.10.1 If it is required to void an NCR/DR, it shall be stamped or marked "VOID" in large bold letters across the page. The reason for voiding the NCR/DR shall be stated on the NCR/DR and signed by the person voiding the NCR/DR and each authorized person (approvers of the description and disposition) who had previously approved the NCR/DR. The number assigned to a voided NCR/DR shall not be reused. The originating organization shall status CDT on their terminals or forward a copy to CDEG to update CDT and forward a copy of the void NCR/DR to the person that originated the NCR/DR. If the NCR/DR had been dispositioned by Engineering and distributed, the NCR/DR shall be revised, marked "VOID" and processed in the same manner as the previous issue. The "Issue Date" space must be filled in. The NCR log will be updated to reflect that the NCR is void. IPC 1

5.11 Revising Affected Documents

5.11.1 Criteria

NCRs/DRs shall list all affected documents, however, only NCRs/DRs listing the following "Affected Documents" shall be incorporated on design documents. Incorporation shall be within 60 days from the NCR/DR disposition issue date. The NCR/DR shall be referenced on the affected document when the change is incorporated.

a. Building General Arrangement Drawings showing Equipment Locations



NCR NUMBER ☐ NONCONFORMANCE REPORT (NCR) Sheet ___ of ___

☐ DEFICIENCY REPORT (DR) Major ☐ Minor ☐ Number

Bldg | Unit 0 1 2 | System | Turnover Y N | ☐ Seismic 1 ☐ ANSI 831.1 ☐ CAR REQD ☐ Poten Sig Def 10CFR50.55(e)

☐ ASME Sec ___ Cl ___ ☐ Other

Description

Prepared by ___ Date ___ Approved by ___ Issue Date

Title | Org | Name | Title | Name

Disposition ☐ Reject ☐ Accept-as-is ☐ Other See below ☐ Restoration ☐ Repair per

Action to be taken by

KEYWORDS

B I P

REFERENCE DOCUMENTS

TYPE | NUMBER | REV

AFFECTED DOCUMENTS

TYPE | NUMBER | SHEET | REV

INTERDISCIPLINE REVIEW

GROUP | INITIAL | DATE

Required approvals prior to implementation of disposition

WESTINGHOUSE Title Signature Date

YAEC Title Signature Date

DISPOSITION DATE

WORK COMPLETED Title Signature Date

LWA NUMBER

PREPARED BY Title Signature Date

CHECKED BY Title Signature Date

APPROVED BY Title Signature Date

ANI REVIEW Signature Date

ACCEPTED Title Signature Date

Field Work Complete

WHITE – QA/QC GREEN – RMG YELLOW – Contractor PINK – CDEG GOLD – Engineering

ATTACHMENT 1 (Page 1 of 2)

7. REVIEW AND APPROVAL OF NONCONFORMANCE/DEFICIENCY

For NCRs, the applicable Contractors QA/QC organization shall prepare and approve the description of the nonconformance/deficiency. The approver shall sign name, show title and print name and issue date. The Contractor's Construction Supervisor shall review and approve the DR.

8. DISPOSITION

Check applicable disposition action. Those Major NCRs dispositioned "Return to Vendor" shall include UE&C QA review for inclusion of QA requirements. QA shall initial in "interdiscipline review" block to indicate review.

9. ACTION TO BE TAKEN BY:

It is the dispositioner's responsibility to assign the responsible Discipline/Contractor for implementation of the disposition. When the Contractor is UE&C, only the discipline within UE&C shall be given, using the standard abbreviations in Attachment 11. When the disposition is "accept as is" on NCRs for UE&C, "UQC" shall be used. When the disposition is "accept as is" on DRs for UE&C, the discipline abbreviation shall be used. Standard abbreviations shall be used for all other contractors. Include more than one contractor, when applicable, in the "action to be taken by" block.

10. DISPOSITION SPACE

The disposition to the nonconformance shall be provided and must be concise, accurate, and complete. Technical justification shall be included as applicable. The NCR/DR disposition shall be reviewed for generic implications and retrofit requirements. If more space is required, additional sheets shall be added. See Paragraph 5.5.1.7. Major NCRs dispositioned "Return to Vendor" (Repair/Replacement) shall list the QA requirements under the Engineer's disposition or as a continuation of the disposition.

11. KEYWORDS

Add Keywords which provide means of retrieving data from CDT. Also, keywords are to be used to identify types of problems dispositioned for use in the NCR Trending Program. Add BIP(s). (See TP-23.)

12. REFERENCE DOCUMENTS

List Reference Documents and latest revision number.

13. AFFECTED DOCUMENTS

List all design documents and latest revision number covering the component specifically modified by the NCR/DR disposition. Both Units 1 and 2 documents shall be listed, if applicable.

14. INTERDISCIPLINE REVIEW

Interdiscipline review shall be performed by all groups listed. The discipline reviewer shall initial and date the box indicating acceptance of the proposed disposition as it affects his work. Review/Approval may be obtained via

telephone if both parties agree. The initials of the reviewer/ approver shall be printed in the space followed by the initials of preparer if telephone approval is obtained. All "Interdiscipline Review" initials must be on the form prior to release of the dispositioned NCR/DR to the Contractor.

15. REQUIRED SIGNATURES

Major NCRs and DRs

The preparer and checker of the disposition print their names, sign, and date for UE&C Engineering. A "UE&C Approver" reviews the design, prints his name, signs, and dates the disposition. If Westinghouse or YAEC (for Section XI) review is required, an approval signature and date shall be obtained after required UE&C reviews have been completed. All "Required Signatures" must be on form prior to the release of the dispositioned NCR/DR to the Contractor.

Minor NCRs

The applicable Contractor personnel shall print name and date and sign the disposition of Minor NCRs similar to the manner required for "Responsibilities of UE&C Engineering", listed below.

Responsibilities of UE&C Engineering

The following personnel working under the supervision of DOS/DFS shall complete dispositions for Major NCRs and for DRs.

a. UE&C Preparer

1) Prepares NCR/DR disposition and includes all attachments to comply with requirements of this procedure. Attachments must be legible and reproducible. IPC 1
2) Inspects specific site location as required to resolve the nonconformance.
3) Consults as needed with Contractor/Construction Management and other available sources, both in Field and Home Office, to develop solution.
4) Reviews or provides technical solution and technical justification to nonconformance based on a complete investigation of nonconformance. Prepares calculations and sketches as required.
5) Reviews the NCR/DR for generic implications and retrofit requirements.
6) Completes list of Reference Documents.
7) Completes list of Affected Documents and Keywords.
8) Lists Interdiscipline Reviewers and any other reviewers.

b. UE&C Checker

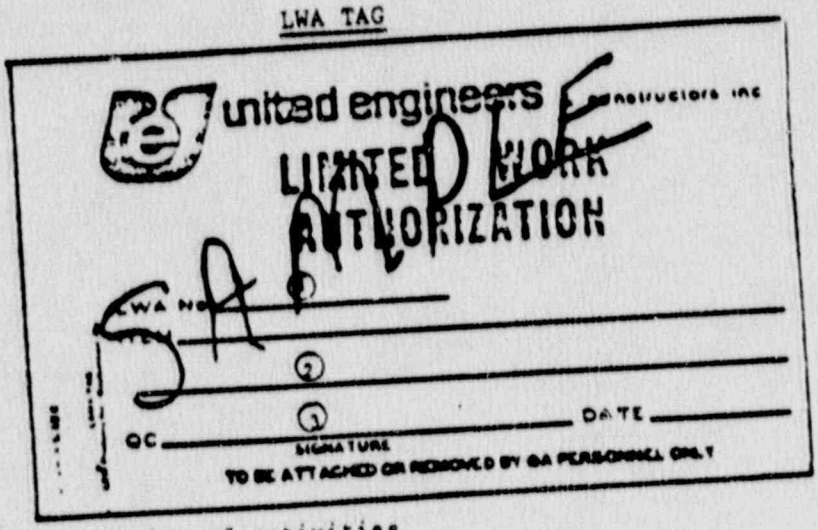
1) Determines that sufficient detail work has been completed to support solution and is included as attachment to the NCR/DR.

2) The checker provides the independent design verification and the technical adequacy of the solution and justification. This includes

LWA COMPLETION

1. Initiator shall list the related NCR
2. The initiator shall list related drawings and specifications
3. The initiator shall fill in the Contractor PO number or discipline, as appropriate
4. The initiator shall fill in the key words
5. The initiator shall fill in the reason for request and the organization requesting the request
6. Initiator for LWA shall have individual responsible for disposition approval of the corresponding NCR approve and list the limitations and precautions, as applicable | IPC 1
7. Contractor QA shall assign the LWA number
8. Contractor QA/QC Manager shall approve and issue
9. The LWA requestor shall sign ACTION COMPLETE when the work stipulated on the LWA is complete
10. Signature of Contractor QA/QC person verifying ACTION COMPLETE
11. If the ACTION COMPLETE block is not signed off prior to NCR field completion, the LWA will be closed based on the NCR field completion

LWA TAG



1 LWA Tag No.

2 Item identify and limits of activities

3 Contractor QC Personnel responsible for tag placement

NOTE: Contractor may use his own tag to maintain status "Limited Work" to a nonconforming/deficient condition.

STANDARD PREFIX CODE NUMBERS/CONTRACTOR CODES

01 - CIV - Structural
02 - MEC - Mechanical Nuclear
03 - ELV - Electrical
05 - I&C - Instrumentation & Controls
06 - MEC - Mechanical Services
08 - - Nuclear
10 - UQC - Reliability and Quality Assurance
13 - - Substation
19 - PIP - Piping
25 - MEC - Mechanical Support Group
31 - ELV - Electrical Support
32 - MEC - Mechanical Construction
39 - - Boston
40 - ULS - Cooling Tower - UE&C - Lump Sum
41 - ULS - Diesel Bldg - UE&C - Lump Sum
42 - ULS - Fuel Storage - UE&C - Lump Sum
43 - ULS - Turbine Bldg - UE&C - Lump Sum
44 - ULS - Chlorination Bldg -UE&C- Lump Sum
45 - ULS - Waste Process A - UE&C - Lump Sum
46 - ULS - Waste Process B - UE&C - Lump Sum
47 - -
48 - -
49 - -
50 - ELV - Electrical Supports
51 - - Aycock, Inc.
52 - HAH - HAH (Mechanical NCRs)
53 - CVS - Cives Steel
54 - FBM - Fischback-Boulos-Manzi (Electical NCRs)
55 - DMS - Daniel Marr & Son
56 - M-K - Morrison-Knudsen
57 - NSL - Northeast Surfco-Leonard (Coating NCRs)
58 - DOC - Daniel O'Connell's Sons, Inc.
59 - PPC - Perini Power Constructors (Civil/Structural NCRs)
60 - - Substation (DCNs only)
61 - CIV - Structural (DCNs only)
62 - -
63 - ELV - Electrical (DCNs only)
64 - PIP - Pipe Supports (DCNs only)
65 - I&C - Instrumentation & Control (DCNs only)
66 - MEC - Mechanical Services (DCNs only)
67 - PIP - Piping (DCNs only)
68 - MEC - Nuclear/Mechanical (DCNs only)
69 - - General Engineering Boston (DCNs only)
71 - PDM - Pittsburgh-DesMoines Steel Co.
72 - PTL - Pittsburg Testing Laboratory
73 - P-H - Pullman-Higgins
74 - UEC - UE&C
75 - - Gould-Brown Boveri-Massachusetts Electric
76 - JCI - Johnson Controls, Inc.
77 - WST - Westinghouse
78 - GE - General Electric
79 - NTR - Nooter Corporation
80 - - F.W. Hake, Inc.
81 - TCO - Transco
82 - - YAEC/PSNH
83 - GFP - Grinnell Fire Protection
84 - - (In-Service Inspection Group)
85 - NSC - Nisco
86 - MXM - Maxam
87 - EFB - E.F. Byrans
88 - UBR - Union Boiler
89 - - Ceramic Cooling Tower
90 - WCR - Williams Crane
91 - LCC - Lundeen Coatings
92 - ACS - AC&S
93 - I&C - I&C (NCRs only)
94 - - B31.1 Upgrade Piping (NCRs only)
99 - STD - Start-up

NEW HAMPSHIRE YANKEE/SEABROOK PROJECT

INTERIM PROCEDURE CHANGE

PROCEDURE NUMBER	REVISION NUMBER	IPC NUMBER	EFFECTIVE DATE
ASP-3	2	2	~~6-28-85~~ ~~6-28-85~~ 6/28/85

1. JUSTIFICATION:

NRC concern

2. AFFECTED PARAGRAPHS:

Para 5.5.1.3.

AFFECTED ATTACHMENTS:

None

3. EXISTING REQUIREMENTS:

See procedure

4. CHANGE SYNOPSIS:

To address that dispositions can not be generic but must be specific to one problem yet the condition will be evaluated from a generic standpoint to to problem does not exist in other areas.

5. INSTRUCTIONS:

Remove and replace Title page and page 15

Initiated by: B. Levine (Signature) — VE+C Mgmt Staff (Title) — 6/28/85 (Date)

Approved by: Director of Engineering and Licensing — Signature — 6-28-85 (Date)

Approved by: Project Construction Quality Assurance Manager — J.W. Singleton for GFM (Signature) — 6/28/85 (Date)

Approved by: Construction Director — Signature — 6/24/85 (Date)

D. Reid NHY 6A 6/28/85

Form ASP-2-02, 3/85

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5.5.1.2 Upon receipt of a Major NCR, the Discipline Office Supervisor (DOS)/Discipline Field Supervisor (DFS) shall evaluate the discrepant condition for potential 10CFR 50.55(e) in accordance with instructions provided in Attachment 4, Flow Chart No. 2.

5.5.1.3 The DOS/DFS shall provide dispositions to NCRs/DRs which are specific to the problem to assure compatibility with design requirements. The disposition shall not be generic. However, the DOS/DFS shall evaluate the NCR/DR for generic implications and retrofit requirements. IPC 2

5.5.1.4 The DOS/DFS will determine when interface with vendor/supplier (such as Westinghouse) is required for NCR/DR dispositions and shall obtain any required approvals.

5.5.1.5 The DOS/DFS will interface with the other engineering disciplines/groups, and UE&C QA for NCR/DRs dispositioned "Return to Vendor" and/or the Startup Test System Test Engineer (STE), as needed, and shall obtain any required reviews. For ASME Section XI Repair/Replacement the DOS/DFS shall denote YNSD Engineering as an interdiscipline reviewer.

5.5.1.6 For ASME Section XI repairs and replacements, the requirements of ASP-9 shall be implemented. The DEM shall notify YAEC Engineering of development of a repair program as described in ASP-9.

5.5.1.7 The DOS/DFS shall attach to the NCR/DR any sketches, letters, telephone conversation memos, or written information. Calculations shall be referenced, as design justification, etc., when they are a necessary part of the disposition. As pages are added to the NCR, each sheet shall be identified to reflect the correct sequential page number, starting with Attachment 1 numbered as Page 1 of ____. The total quantity of included pages shall be the second number. As pages are added by different groups in processing the NCR/DR, the total quantity of "included pages" will be changed accordingly by lining out the second number and correcting the quantity to reflect the "new" total number of pages. Each page shall additionally be identified with NCR/DR report type and number.

5.5.2 Minor NCRs

5.5.2.1 The designated Contractor person as defined in Contractor procedures shall disposition the Minor NCR utilizing the definitions in Paragraphs 4.2.6.1 and 4.2.6.2, respectively.

5.5.2.2 Upon completion and approval of the disposition, a copy of the NCR shall be sent to the appropriate work group Super-

MEMORANDUM

TO Holders of ASP-3 | COMPANY OR LOCATION | July 2, 1985 DATE

FROM R.E. Guillette | YAEC 07 COMPANY OR LOCATION | FILE Q 1.1.4/YFQA-495

SUBJECT ASP-3, FIELD WORK COMPLETE

I have been requested to reiterate that the phrase "Field Work Complete" when checked on the NCR denotes the following:

> The work required by the disposition of the NCR/DR is complete and that the responsible QA/QC personnel have verified and accepted the completed work for those NCRs requiring QC acceptance.

The above status is the status to look for to know if there is additional work or QC inspection required for the NCR/DR.

The term "Closed" or "Open" that appears on CDT or the CDT printout refers to the status of the NCR/DR incorporation into the design document. This has nothing to do with the NCR/DR work and inspection being completed.

Another item that requires your attention is W.B. Derrickson memo which in part states, "Effective immediately room numbers shall be identified on all NCRs". (Please include DRs)

IPC-3 to Revision 2 of ASP-3 has been issued to put into effect Mr. Derrickson's memo.

I request that all holders of ASP-3 pass on, to the personnel that need to know, the contents of this memo.

R. E. Guillette

R. E. Guillette
Assistant QA Manager

REG/dld
cc: G.F. McDonald
R. Cummings - 23
C.M. Peters on - 55

7-685

NEW HAMPSHIRE YANKEE/SEABROOK PROJECT

INTERIM PROCEDURE CHANGE

PROCEDURE NUMBER	REVISION NUMBER	IPC NUMBER	EFFECTIVE DATE
ASP-3	2	3	07-02-85

1. JUSTIFICATION:

Per request of W.B. Derrickson, Memo P-1215.

2. AFFECTED PARAGRAPHS:

5.1.5.3.d
5.1.5.4.f

AFFECTED ATTACHMENTS:

Attachment 2, Sheet 1 of 4
Attachment 9

3. EXISTING REQUIREMENTS:

No existing requirements.

4. CHANGE SYNOPSIS:

To facilitate the closeout of building turnovers, room numbers have been assigned (see TP-23). The first five blocks of the NCR/DR description will be used as a temporary location for these room numbers until printed forms with this change can be received and placed into use.

5. INSTRUCTIONS:

Remove and replace Table of Contents and Pages 9, 10, 30 and 42 of 43.

Initiated by:	R.E. Guillette (Signature)	Asst Cont & QA Manager (Title)	7-1-85 (Date)
Approved by: Director of Engineering and Licensing	[signature] (Signature)		7/1/85 (Date)
Approved by: Project Construction Quality Assurance Manager	[signature] (Signature)		7/1/85 (Date) FBeam 7-1-85
Approved by: Construction Director	[signature] (Signature)		7/1/85 (Date)

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shall issue P-H NCR/DR numbers, 2) UE&C QA shal' issue NCR numbers for UE&C NCR's and all other contractors, 3) UE&C Construction Discipline Superintendent shall issue DR numbers, 4) STD QC shall issue NCR/DR numbers. The activity shall be called NCR/DR Numbers Control. The personnel issuing the NCR/DR numbers shall be called the NCR/DR Numbers Controller.

a. Managers will assign and train an adequate number of personnel to assure person assigned to NCR/DR Numbers Control will be available at all times. However, the number of personnel authorized as NCR/DR number controllers will be as limited as possible.

5.1.5.2 The NCR/DR numbers shall sequentially consist of:

a. first two digits-contractor ID;

b. a sequential number - per contractor ID; (Justify to right, do not proceed with 0) IPC 1

c. The last digit shall be a capital alpha to denote the revision. The initial issue shall be alpha Character "A".

NOTE:

Contractor ID	Sequential Number from Log	Indicates Initial Issue (Revision)
45	123	A

5.1.5.3 The controllers shall maintain an NCR log and a DR log for each contractor or discipline designation. The log shall have columns for each of the following:

a. NCR or DR numbers

b. initiator's initials

c. BIP

d. building and room IPC 3

e. unit

f. system

g. description

h. major/minor

i. date field complete

j. controller's initials - the controller shall enter his/her initials after initial input and Field Work Complete input. |IPC 1

5.1.5.4 In order for the initiator to obtain an NCR/DR number, the following information shall be given to the controller:

a. initiator's group code

b. type - NCR or DR

c. major or minor

d. initiator's initials |

e. BIP

f. building and room |IPC 3

g. unit

h. system

i. description

Following logging the information, the controller will issue the NCR or DR number.

5.1.5.5 Each Contractor QA/QC or Construction Organization shall obtain NCR/DR numbers from the applicable NCR/DR Numbers Control Group. The Numbers Control Group shall maintain a log that will control and monitor the status of individual NCRs/DRs from inception through field completion. |

5.1.5.6 The person requiring a revision to an existing NCR/DR will contact the NCR/DR Number Controller and provide the number of the existing NCR/DR. The controller will enter the next revision level and the date of revision into the "Date Field Complete" column of the log adjacent to the initial entry, which indicates that the initial NCR/DR has been revised. The controller shall then enter the revised NCR/DR into the log in accordance with Paragraph 5.1.5.3. The initial issued NCR/DR will be stamped or marked "Superceded" and processed in the same manner as a void NCR/DR. The revised NCR/DR shall be processed in the same manner as the original issue. |

NOTE: CDT is a tracking process which will record the following pertaining to an NCR/DR:

PREPARATION OF NONCONFORMANCE REPORT/DEFICIENCY REPORT

The numbers used in these instructions are the same as the numbers shown on the sample form, Attachment 1.

1. REPORT TYPE/NUMBER

Indicate the type of report being dispositioned (NCR [Major or Minor] or DR). The Major/Minor blocks shall not be completed for DRs. The first two digits (Contractor ID) are the Contractor Discipline Codes. The next six characters are the NCR/DR numbers which are assigned by CDT. The last position is alpha for revision level. The initial issue shall be "A". The preparer shall obtain a number from the applicable NCR/DR Numbers Control Group upon preparation of the NCR/DR.

Block indicated "Contractor Use" is reserved for use by the initiating contractor.

2. BUILDING, UNIT AND SYSTEM

Insert Codes (Unit 1 or 2). If an NCR/DR applies to both Units 1 and 2, indicate Unit 0. If the non-conformance/deficiency applies to both units, check block 0. If the change applies to additional systems, list the others as Keywords. Codes shall be identical to those delineated in TP-23. Indicate whether the NCR has been turned over to STD (Yes or No).

3. CODE DESIGNATION

Mark the applicable box to show code designation.

4. POTENTIAL SIGNIFICANT DEFICIENCY 50.55(e) (NCRs Only)

Check box if evaluation results in this finding or if questionable. If box is checked, see Flow Chart 2, Attachment 4. If box is not checked the NCR/DR has been evaluated and a "significant deficiency" was not identified. On DRs, this box should not be checked.

5. NONCONFORMANCE/DEFICIENCY DESCRIPTION

The allowable quantity of letters that can be input into CDT is delineated in this space; therefore, provide a concise description of the nonconformance/deficiency. Identify the part of the structure affected (i.e., "El. 6'-0"). If further description is necessary, add the information on a continuation sheet under the heading "Description". Additionally provide item identity in this area. If there is not enough space, provide the identity on the NCR/DR continuation sheet.

NOTE: Until a reorder of the NCR/DR form is received with a specific place for the building/room number, the building/room number will be identified in the first five blocks of the item description. The room numbers are in TP-23. IPC 3

6. PREPARED BY

The preparer shall sign name, show title and print name and date.

DESIGN CHANGE DOCUMENT MODIFICATION SHEET

CHANGE DOCUMENT TO BE MODIFIED: TYPE | GROUP | NUMBER | REV

SECTION I. (TRANSACTION "MDCD")
FILL IN ONLY THOSE FIELDS THAT ARE AFFECTED

INITIATOR

DATE INITIATED | | | | DATE REQUIRED | | | |

BIP NUMBER |

BUILDING & ROOM | UNIT | SYSTEM |

RESP. CONTR.	ADD/DEL	RESP. CONTR.	ADD/DEL

SECTION II (TRANSACTIONS "AMULTS" AND/OR "DMULTS")
MULTIPLE BIPS, SYSTEMS OR BUILDINGS/ROOMS

BIPS	A/D	SYSTEMS	A/D	BLDGS/ROOMS	A/D

SECTION III (TRANSACTIONS "AREF AND/OR "MREF")
REFERENCE DOCUMENTS (DRAWINGS, ETC.)

TYPE	NUMBER	SHEET	AFF REV	ACTION (A, M, D,)	NEW AFF REV

DESIGN CHANGE DOCUMENTS

TYPE		NUMBER		ACTION (A, D)

ASP-3, Attachment 9, 7-85

ATTACHMENT 9

NEW HAMPSHIRE YANKEE/SEABROOK PROJECT

INTERIM PROCEDURE CHANGE

PROCEDURE NUMBER	REVISION NUMBER	IPC NUMBER	EFFECTIVE DATE
ASP-3	2	4	7-17-85

1. JUSTIFICATION:

With the approval of ~~the IPC~~ REV. 5 dated 7/8/85 to TP-23, certain statements in IPC 3 to ASP-3 require modification. This change addresses these modifications.

2. AFFECTED PARAGRAPHS:

AFFECTED ATTACHMENTS:

Attachment 1 (Sheets 1 & 2 of 2)
Attachment 2 (Sheets 1 & 2 of 4)

3. EXISTING REQUIREMENTS:

See existing procedure.

4. CHANGE SYNOPSIS:

Modifies statement requiring building number to be placed in description to placement in Keywords Section.

Adds reference numbers to NCR form and Continuation Sheet.

5. INSTRUCTIONS:

Remove and replace Pages i and ii of Table of Contents and Pages 28, 29, 30 and 31 of 43.

Initiated by:	R.E. Gaudette (Signature)	Assist Const QA Manager (Title)	7-12-85 (Date)
Approved by: Director of Engineering and Licensing	(Signature)		7/15/85 (Date)
Approved by: Project Construction Quality Assurance Manager	(Signature)		7/15/85 (Date)
Approved by: Construction Director	(Signature)		7/15/85 (Date)

D. Perkins NHY QA 7/12/85

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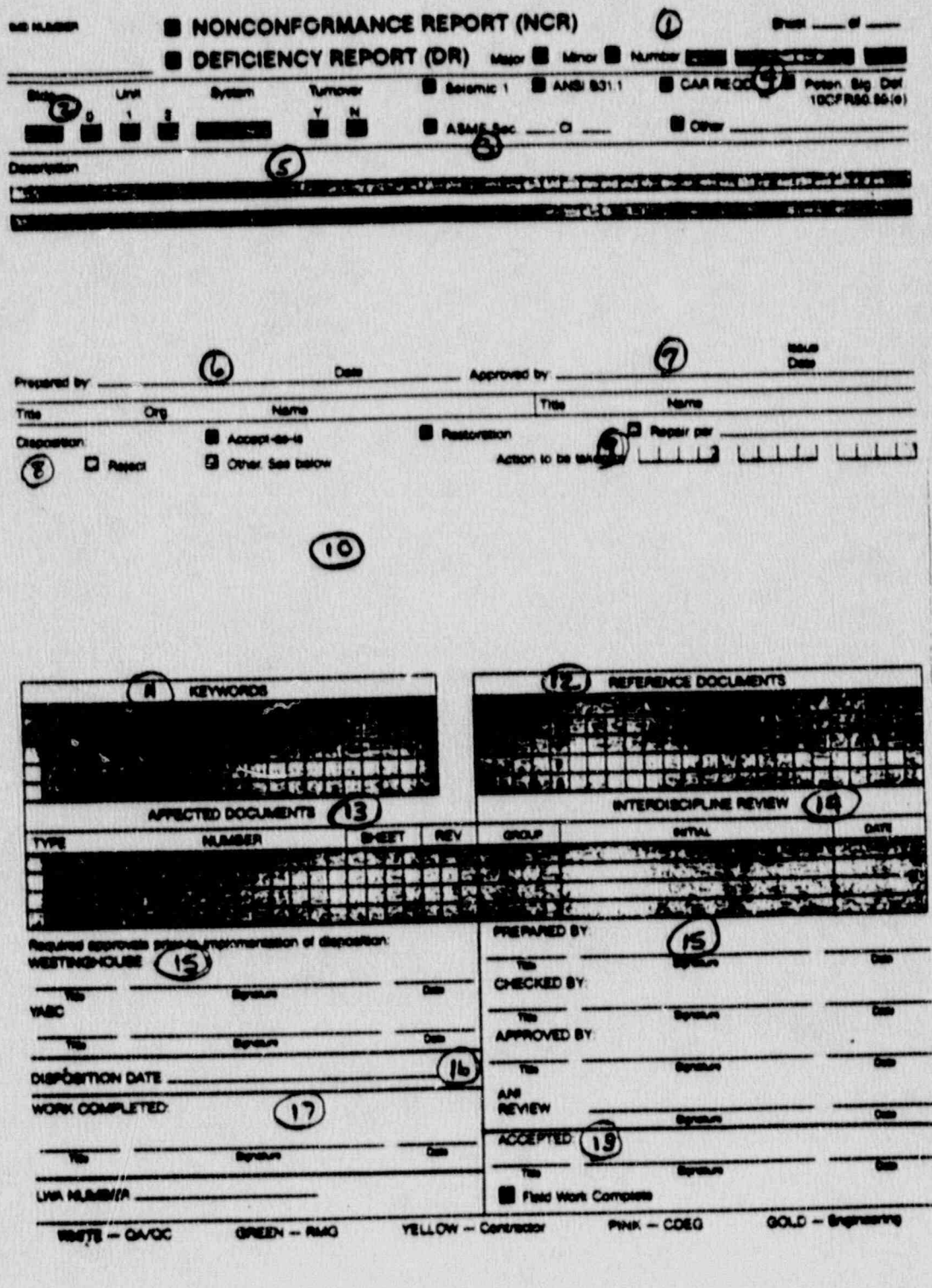
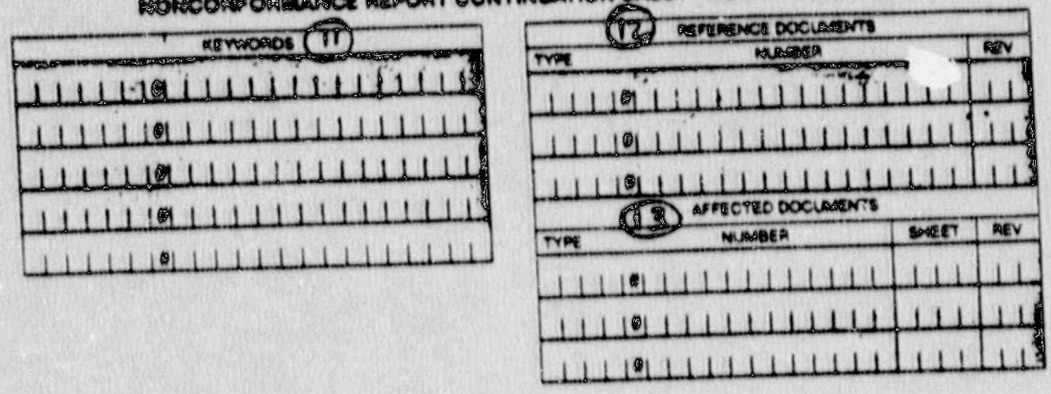


ATTACHMENT 1 (Page 1 of 2)

Sheet ___ of ___

NONCONFORMANCE REPORT CONTINUATION SHEET NCR/OR # _____



Description: (This information will not be fed into the CDT system. This space is only to further clarify the condition)

Description Continued: (This information will not be fed into the CDT system. This space is only to further clarify the condition)

PREPARATION OF NONCONFORMANCE REPORT/DEFICIENCY REPORT

The numbers used in these instructions are the same as the numbers shown on the sample form, Attachment 1.

1. REPORT TYPE/NUMBER

Indicate the type of report being dispositioned (NCR [Major or Minor] or DR). The Major/Minor blocks shall not be completed for DRs. The first two digits (Contractor ID) are the Contractor Discipline Codes. The next six characters are the NCR/DR numbers which are assigned by CDT. The last position is alpha for revision level. The initial issue shall be "A". The preparer shall obtain a number from the applicable NCR/DR Numbers Control Group upon preparation of the NCR/DR.

Block indicated "Contractor Use" is reserved for use by the initiating contractor.

2. BUILDING, UNIT AND SYSTEM

Insert Codes (Unit 1 or 2). If an NCR/DR applies to both Units 1 and 2, indicate Unit 0. If the non-conformance/deficiency applies to both units, check block 0. If the change applies to additional systems, list the others as Keywords. Codes shall be identical to those delineated in TP-23. Indicate whether the NCR has been turned over to STD (Yes or No).

3. CODE DESIGNATION

Mark the applicable box to show code designation.

4. POTENTIAL SIGNIFICANT DEFICIENCY 50.55(e) (NCRs Only)

Check box if evaluation results in this finding or if questionable. If box is checked, see Flow Chart 2, Attachment 4. If box is not checked the NCR/DR has been evaluated and a "significant deficiency" was not identified. On DRs, this box should not be checked.

5. NONCONFORMANCE/DEFICIENCY DESCRIPTION

The allowable quantity of letters that can be input into CDT is delineated in this space; therefore, provide a concise description of the nonconformance/deficiency. Identify the part of the structure affected (i.e., "El. 6'-0"). If further description is necessary, add the information on a continuation sheet under the heading "Description". Additionally provide item identity in this area. If there is not enough space, provide the identity on the NCR/DR continuation sheet.

6. PREPARED BY

The preparer shall sign name, show title and print name and date.

7. REVIEW AND APPROVAL OF NONCONFORMANCE/DEFICIENCY

For NCRs, the applicable Contractors QA/QC organization shall prepare and approve the description of the nonconformance/deficiency. The approver shall sign name, show title and print name and issue date. The Contractor's Construction Supervisor shall review and approve the DR.

8. DISPOSITION

Check applicable disposition action. Those Major NCRs dispositioned "Return to Vendor" shall include UE&C QA review for inclusion of QA requirements. QA shall initial in "interdiscipline review" block to indicate review.

9. ACTION TO BE TAKEN BY:

It is the dispositioner's responsibility to assign the responsible Discipline/Contractor for implementation of the disposition. When the Contractor is UE&C, only the discipline within UE&C shall be given, using the standard abbreviations in Attachment 11. When the disposition is "accept as is" on NCRs for UE&C, "UQC" shall be used. When the disposition is "accept as is" on DRs for UE&C, the discipline abbreviation shall be used. Standard abbreviations shall be used for all other contractors. Include more than one contractor, when applicable, in the "action to be taken by" block. IPC 1

10. DISPOSITION SPACE

The disposition to the nonconformance shall be provided and must be concise, accurate, and complete. Technical justification shall be included as applicable. The NCR/DR disposition shall be reviewed for generic implications and retrofit requirements. If more space is required, additional sheets shall be added. See Paragraph 5.5.1.7. Major NCRs dispositioned "Return to Vendor" (Repair/Replacement) shall list the QA requirements under the Engineer's disposition or as a continuation of the disposition.

11. KEYWORDS

Add Keywords which provide means of retrieving data from CDT. Also, keywords are to be used to identify types of problems dispositioned for use in the NCR Trending Program. BIP(s) and room identification will be included in the Keywords Section in accordance with TP-23. IP 4

12. REFERENCE DOCUMENTS

List Reference Documents and latest revision number.

13. AFFECTED DOCUMENTS

List all design documents and latest revision number covering the component specifically modified by the NCR/DR disposition. Both Units 1 and 2 documents shall be listed, if applicable.

BK 1 of 16

PSNH

Public Service of New Hampshire

NEW HAMPSHIRE YANKEE DIVISION

INTRA-COMPANY BUSINESS MEMO P-1215

Subject Building Room Numbers

From W.B. Derrickson **District**

Date June 28, 1985

To Distribution

Reference

The Project is rapidly making the transition into building turnovers. In order to facilitate the closeout of the buildings, room numbers have been assigned. Effective immediately room numbers shall be identified on all ECAs, BERs, DCNs, AMLs, NCRs, IRs, POs, PRs, etc.; ie. all change, quality and purchasing documents.

PCS and IIL items must also have this information with multiroom documents being identified by floor elevation. Generic documents do not require room identification.

Attached is a listing of all room numbers to be used at Seabrook.

WBD:SM:mat

W.B. Derrickson
Senior Vice President
Nuclear Power

Distribution:

G.S. Thomas 01 04
D.E. Moody 01 04
D.G. McLain 09 08
W.J. Taylor 04 41
C.M. Wiley 07 46
J. DeVincentis 08 62
J. Hollett 11 01
S. Caruso 08 93
B. Odabashian 06 72
C. Molis 09 08
R. Grippardi 10 07
D.J. Peeples 06 10
O.C. Peck 06 72
R.A. Dominy 04 61
G. McDonald 10 07
H.M. Anderson 01 04
M. Charney 04 66
M.P. McKenna 08 80
R. Witt 07 01
S. Madaros 08 97
D. Smart 06 72
T. Rozelle 06 72
R.A. Wedegis 01 04
D. Gibbs 04 52
R. Kacser 04 50
R.J. DiStefano 04 59
R.E. Gerwig 04 14
R. F. Paddock 07 01
E.O. Poarch 11 01
G. Shamis 11 01
P.J. Stroup 08 36
C. Lamerson 07 01
J. McSpadden 08 89
N. Haxim 06 72

SEABROOK STATION - ROOM IDENTIFICATION

REACTOR CONTAINMENT BUILDING

El. -53'0"

CI101	Incore Instr. Tube Room & Reactor Area

El. -26'0"

CI201	Loop 1 Steam Generator & RCP Compartment
CI202	Loop 2 Steam Generator & RCP Compartment
CI203	Loop 3 Steam Generator & RCP Compartment
CI204	Loop 4 Steam Generator & RCP Compartment
CI205	Outside Secondary Shield Wall
CI206	Reactor Coolant Drain Tank Room
CI207	Reactor Coolant Drain Tank Heat Exchanger Room
CI208	Excess Letdown Heat Exchanger Room
CI209	Valve Room
CI210	Regenerative Heat Exchanger Room

El. 0'-0"

CI301	Outside Secondary Shield Wall
CI302	Incore Inst. Seal Table Room
CI303	Refueling Cavity & Canal
CI304	Pressurizer Room

El. 25'-0"

CI401	Operating Floor

EL. 119'-0"

CI501	Dome (From Spring Line Up)

PRIMARY AUXILIARY BUILDING

Stairwells

PBST1	PAB Stairwell #1 7'-0" to 81'-0"
PBST2	PAB Stairwell #2 -26'-0" to 53'-0"

El. -26'-0"

PB101	RAACT Pipe Tunnel & WLD Sumps
PB102	Elec. Pipe Chase
PB103	Consensate Receiver Pumps Room
PB104	Safety Valve Surge Tank Room

SEABROOK STATION - ROOM IDENTIFICATION

PRIMARY AUXILIARY BUILDING (Cont'd)

El. -6'-0"

PB201	Walkway to Stairs
PB202	Elec. Chase & Stairdown to -8'0"
PB203	Non RAACT Pipe Area
PB204	Walkway
PB205	Pipe Chase
PB206	RAACT Pipe Area
PB207	Condensate Revr. Room
PB208	RAACT Pipe Area & Walkway
PB209	Walkway (-6'0"), D Min. Access Platform (2'0")
PB210	TH. Reg. Demineralizer - CS-DM-3A
PB211	TH. Reg. Demineralizer - CS-DM-3B
PB212	TH. Reg. Demineralizer - CS-DM-3C
PB213	TH. Reg. Demineralizer - CS-DM-3D
PB214	TH. Reg. Demineralizer - CS-DM-3E
PB215	Cation Demineralizer - CS-DM-1
PB216	Mixed Bed Demineralizer - CS-DM-2A
PB217	Mixed Bed Demineralizer - CS-DM-2B
PB218	Spent Fuel Pool Demineralizer - CS-DM-8
PB219	RAACT Pipe Area
PB220	Letdown HX - CS-E-4
PB221	Letdown HX - CS-E-8
PB222	Letdown Chiller HX - CS-E-7
PB223	Moderating HX - CS-E-6
PB224	Seal Water HX - CS-E-5A & 5B

EL. 7'-0"

PB301	Chiller Pump Area
PB302	Electrical Pipe Chase Room
PB303	Charging Pump Room - CS-P-2A
PB304	Charging Pump Room - CS-P-2B
PB305	Charging Pump Room - CS-P-12B
PB306	Letdown Degasifier Recirc. Pump Room
PB307	Letdown Degasifier Room
PB308	South Laydown Area
PB309	Corridor (7'0"), Valve Maint. Platform (17'0")
PB310	Seal Water Return Filter - CS-F-3
PB311	Seal Injection Filter - CS-F-4A
PB312	Seal Injection Filter - CS-F-4B
PB313	RX Cool Filter - CS-F-2
PB314	Demineralizer Pre-Filter - CS-F-1
PB315	Fuel Pool Post Filter - SF-F-34
PB316	Fuel Pool Post Filter - SF-F-33
PB317	North-South Corridor

SEABROOK STATION - ROOM IDENTIFICATION

PRIMARY AUXILIARY BUILDING (Cont'd)

El. 25'-0"

PB401	Component Cooling Heat Exchanger Area
PB402	Electrical Chase
PB403	Air Lock #1
PB404	Primary Component Cooling Pump Area
PB405	Sample Heat Exchanger Room
PB406	P.A.S.S. Panel Room
PB407	Sample Panel & Sink Room
PB408	Degas. Seal Tank & Pump Room
PB409	Letdown Degasifier Tank Room
PB410	RCA Walkway & Air Lock
PB411	Boric Acid Tank Room
PB412	Radiation Monitor Room

El. 53'-0"

PB501	D.G. Jacket Water Cooler Heat Exchanger Area
PB502	Containment Purge Exhaust Fan & Filter Area
PB503	PAB & Refuel Purge Exhaust Fan Area
PB504	Supply Fans Area
PB505	RAACT Pipe Chase
PB506	Valve Aisle
PB507	Chem. & Vol. Control Tank Room
PB508	Air Lock #3
PB509	PAB Heat Equipment Area
PB510	Storage Area
PB511	Strainer Room

El. 81'-0"

PB601	HVAC Equipment Room
PB602	Passageway

Roofs

PBRF1	Roof at 81'-0"
PBRF2	Roof at 108'-0"
PBRF3	Roof at 40' -0"

EQUIPMENT VAULT

Stairwells

RVST1	Equipment Vault North Stairwell -61'-0" to 20'8"
RVST2	Equipment Vault South Stairwell -61'-0" to 20'8"

SEABROOK STATION - ROOM IDENTIFICATION

EQUIPMENT VAULT (cont'd)

El. -61' 0"

RV101	Containment Spray Pump Room (A)
RV102	Containment Spray Pump Room (B)
RV103	RHR Pump Room (A)
RV104	RHR Pump Room (B)

El. -50'-0"

RV201	Safety Injection Pump Room (A)
RV202	Safety Injection Pump Room (B)

El. -31'10"

RV301	Containment Spray (A) HX
RV302	Containment Spray (B) HX
RV303	RHR (A) HX
RV304	RHR (B) HX

El. 20'8"

RV401	Personnel Walkway to Outside
RV402	Personnel Walkway Top of Stairs

El. 30'8"

RV501	Cable Raceway Area

Roofs

RVRF1	Roof at 25'-6"
RVRF2	Roof at 53'-0"

TURBINE GENERATOR BUILDING

Stairwells

TBST1	Turbine Building Stairwell #1 21'0" to 92'2 1/2"
TBST3	Turbine Building Stairwell #3 21'0" to 75'0"

El. 21'-0"

TB101	Battery Room #2
TB102	Battery Room #1
TB103	Relay Room
TB104	SG Feed Pump 32A Room

SEABROOK STATION - ROOM IDENTIFICATION

TURBINE GENERATOR BUILDING (Cont'd)

El. 21'-0"

TB105	SG Feed Pump 32B Room
TB106	Ground Floor
TB107	Main Battery Room
TB108	Turbine Lube Oil Tank Room
TB109	Lubricant Storage Room

El. 46'-0" & 50'-0"

TB201	Mezzanine Floor
TB202	Turbine Lub Oil Conditioner & Reservoir Room

El. 75'-0"

TB301	Operating Floor
TB302	Test Equipment Storage
TB303	Office
TB304	Security Computer Room
TB305	SAS Room
TB306	Lavatory
TB307	Electronic Work Room
TB308	Startup Room
TB309	Office
TB310	Airlock

El. 92'-1 1/2"

TB401	Machinery Room

Roofs

TBRF1	Roof at 98'-0"
TBRF2	Roof at 148'-8"

DIESEL GENERATOR BUILDING

Stairwells

DGST1	North D.G. Stairwell El. 6'-6" to 51'-6"
DGST2	South D.G. Stairwell El. 6'-6" to 80'-3"

El. -16'-0"

DG101	Fuel Oil Storage Tank Room (A)
DG102	Fuel Oil Storage Tank Room (B)

El. 21'-6"

DG201	Diesel Generator 1A Room
DG202	Diesel Generator 1B Room

SEABROOK STATION - ROOM IDENTIFICTION

DIESEL GENERATOR BUILDING (Cont'd)

El. 51'-6"

DG301	Exhaust Silencer Room DG-MM-8A
DG302	D.G. Vent Fan Room DAH-FN-26A
DG303	Fuel Oil Day Tank Room DG-TK-78A
DG304	D.G. Vent Fan Room DAH-FN-26B
DG305	Fuel Oil Day Tank Room DG-TK-78B
DG306	Exhaust Silencer Room DG-MM-8B
DG307	North Airlock to Control Building
DG308	D.G. Building & Control Building Air Handling Equipment Room
DG309	South Airlock to Control Building

Roof

DGRF1	D.G. Roof

NON-ESSENTIAL SWITCHGEAR ROOM

El. 21'-6"

SG101	Non-Essential Switchgear Room

El. 37'6"

SG201	Non-Essential Switchgear Air Handling Room

Roof

SGRF1	Non-Essential Switchgear Room Roof

CONTROL BUILDING

Stairwells

CBST1	Control Building Stairwell El-20'-0" to 21'-6"
CBST2	Control Building Stairwell El 21'-6" to 75'-0"

El. 21'-6"

CB101	North Switchgear & MCC Room
CB102	Train (A) Electrical Chase
CB103	Battery Room A
CB104	Battery Room C
CB105	South Switchgear & MCC Room
CB106	Battery Room B
CB107	Battery Room D
CB108	Rod Drive M-G Set Room
CB109	Train (B) Electrical Chase

SEABROOK STATION - ROOM IDENTIFICATION

CONTROL BUILDING (Cont'd)

El. 50'-0"

CB301	Computer Engineers Work Area
CB302	Computer Room
CB303	Computer Engineers Office
CB304	Office
CB305	Office
CB306	Shift Supervisor's Office
CB307	Conference Room
CB308	Main Control Room
CB309	HVAC Equipment & Duct Area
CB310	Men's Toilet
CB311	Women's Toilet
CB312	Kitchen
CB313	Data Area
CB314	Emergency Storage Room

Roof

CBRF 1	Control Building Roof

CONTAINMENT ENCLOSURE BUILDING

CE101	Annulus Area

EMERGENCY FEEDWATER PUMP HOUSE & ELECTRICAL PENETRATION AREA

Stairwell

EFST1	Stairwell -26'-0" to 28'-0"

El. -26'0" & -20'-0"

EF101	Airlock
EF102	Electrical Cable Tray Area (B) Train
EF103	3-Areas

El. -1'-6" & 0'-0"

EF201	Airlock
EF202	Electrical Cable Tray Area (A) Train
EF203	2-Areas

El. 27'-0"

EF301	Emergency Feedwater Pumphouse
EF302	Preaction Valve Building

SEABROOK STATION - ROOM IDENTIFICATION

EMERGENCY FEEDWATER PUMP HOUSE & ELECTRICAL PENETRATION AREA (Cont'd)

Roof

EFRF1	Emergency Feedwater Pumphouse Roof

MAINSTEAM FEEDWATER & MECHANICAL PENETRATION AREAS

Stairwells

MFST1	West Stairwell 3'-0" to 28'-0"
MFST2	East Stairwell 3'-0" to 28'-0"

El. -34'6", -26'-0", -20'-0", -8'-0"

MF101	Electrical Raceway Area - Train (B)
MF102	Mechanical Penetration Area - 34'-6" (Platforms at -20'-0" & -11'-2 1/2")
MF103	Pipe Chase
MF104	Walkway
MF105	Radiation Monitor Skid Room & Piping Area At 8'-0"
MF106	Mechanical Penetration Area (Platforms at -20'-0" & -11'-2 1/2")

El. 0'-0", 3'-0", & 12'-0"

MF201	Electrical Raceway Area - Train (A) El. 0'-0"
MF202	Pipe Chase - West El. 3'0" - 20'-1 1/2"
MF203	West Main Steam & Feedwater Pipe Chase El. 3'-0"
MF204	Pipe Tunnel & Chase - West El. 3'-0" - 20'-1 1/2"
MF205	Pipe Chases - East El. 3'-0" - 20'-1 1/2"
MF206	East Main Steam & Feedwater Pipe Chase El. 0'-0"
MF207	Electrical Room El. 3'-0"

El. 12'-0"

MF301	West Main Steam & Feedwater Pipe Chase - Platform
MF302	Preaction Valve Pit
MF303	Pipe Tunnel & Chase
MF304	East Main Steam & Feedwater Pipe Chase - Platform

El. 21'-0" & 28'-0"

MF401	Personnel Hatch Area
MF402	West Main Steam & Feedwater Pipe Chase - Platform
MF403	RCA Checkpoint & Locker Room
MF404	Hydrogen Analyzer Room
MF405	East Main Steam & Feedwater Pipe Chase - Platform

MAINSTEAM FEEDWATER PIPE BRIDGE

MF501	Pipe Bridge

SEABROOK STATION - ROOM IDENTIFICATION

MAINSTEAM FEEDWATER & MECHANICAL PENETRATION AREAS (Cont'd)

Roofs

MFRF1	West Roof at 50'-3" (North Side)
MFRF2	West Roof at 64'-6"
MFRF3	West Roof at 50'-3" (South Side)
MFRF4	East Roof at 64'-6"
MFRF5	East Roof at 40'-0"
MFRF6	West Roof at 34'-8"

CONTAINMENT ENCLOSURE VENTILATION AREA

El. 21'-6"

EV101	Containment Enclosure Ventilation Area
EV102	Airlock

Roof

EVRF1	Containment Enclosure Ventilation Area Room

FUEL BUILDING

El. 7'-0" & 10'-0"

FB101	Spent Fuel Storage Area
FB102	Spent Fuel Inspection & Cask Loading Pool
FB103	Fuel Transfer Canal
FB104	New Fuel Upending & Storage Area
FB105	Cask Lifting & Storage Area
FB106	Sump
FB107	Spent Fuel Pool Pump Area

El. 20'-6, 21'-6", 45'-0"

FB201	El. 25'-0" Fuel Handling & Storage Area
FB202	El. 21'-6" Spent Fuel Heat Exchanger & Cask Area
FB203	El. 20'-8" Spent Fuel Shipping Cask Car Area

El. 58'-0" & 64'-0"

FB301	Air Cleaning Units Room
FB302	Cask Handling Crane Area (El. 58'-0" & up)

Roof

FBRF1	Fuel Building Roof

SEABROOK STATION - ROOM IDENTIFICATION

SERVICE WATER COOLING TOWER

El. 8'-0" & 22'-0"

CT101	Electrical Switchgear Room Train (B)
CT102	Electrical Switchgear Room Train (A)
CT103	Cooling Tower Basin
CT104	Pipe Chase

El. 46'-0"

CT201	Air Handling Equipment Room
CT202	Service Water Pump Room
CT203	Tile Area

Roof

CTRF1	Cooling Tower Roof

STEAM GENERATOR BLOWDOWN BUILDING

El. 9'-0"

BD101	Waste Holdup Pit

El. 25'-0"

BD201	Demineralizer Room

El. 43'-0"

BD301	SG Blowdown Pumps & Heat Exchanger

Roof

BDRF1	SG Blowdown Building Roof

WASTE PROCESS BUILDING

Stairwells

WBST1	Stairwell -31'-0" to 86'-0" (Northwest)
WBST2	Stiarwell -31'-0" to 86'-0" (Southeast)

SEABROOK STATION - ROOM IDENTIFICATION

WASTE PROCESS BUILDING (Cont'd)

El. -31'-0"

WB101	Elevator
WB102	Walkway (6 Floor Drain Tank Pumps)
WB103	Waste Concentrate Tank Room
WB104	Floor Drain Tanks Room
WB105	Chemical Drain Treatment Tanks Room
WB106	Spent Resin Transfer Pump Room
WB107	Spent Resin Sluice Tanks Room

El. -18'-3"

WB201	Horizontal & Vertical Pipe Chases

El. -3'-0"

WB301	Walkway (6 Degasifier Recirc. Pumps & Cond. Recr. Tank)
WB302	Waste Evaporator Reboiler & Pump Room
WB303	Recovery Evaporator Feed Pumps Room
WB304	Recovery Evaporator Reboiler & Pump (A) Room
WB305	Recovery Evaporator Reboiler & Pump (B) Room
WB306	Waste Liquid Drain Strainer Room
WB307	Primary Drain Tanks Room
WB308	Spent Resin Sluice Filter Room
WB309	Walkway (& Primary Drain Tank Transfer Pump)
WB310	Cesium Removal Ion Exchanger - BRS-DM-13A Room
WB311	Cesium Removal Ion Exchanger - BRS-DM-13B Room
WB312	Recovery Demineralizer BRS-DM-14A Room
WB313	Recovery Demineralizer BRS-DM-14B Room
WB314	Waste Demineralizer Room
WB315	Platforms at 2'0", 8'6", & 15'0" & Walkway
WB316	Waste & Recovery Test Tank Pumps
WB317	Sluice Tank Access Room

El. 7'-0", 9'-0", 13'-0", & 15'-3"

WB401	Vertical & Horizontal Pipe Chase
WB402	Primary Drain Tank Degasifier Room
WB403	Waste Evaporator Upper Room
WB404	Recovery Evaporator (A) Upper Room
WB405	Recovery Evaporator (B) Upper Room
WB406	Unused Room
WB407	Recovery Filter (A) Room
WB408	Recovery Filter (B) Room
WB409	Recovery Evaporator Filter (A) Room
WB410	Recovery Evaporator Filter (B) Room
WB411	Recovery Demineralizer Filter (A) Room
WB412	Recovery Demineralizer Filter (B) Room

SEABROOK STATION - ROOM IDENTIFICATION

WASTE PROCESS BUILDING (Cont'd)

El. 7'0", 9'-0", 13'-0", & 15'3"

WB413	Floor Drain Filter (A) Room
WB414	Floor Drain Filter (B) Room
WB415	Waste Demineralizer Filter Room
WB416	Primary Drain Tank Degasifier Prefilter Room

El. 25'-0"

WB501	Primary Drain Tank Degasifier Room
WB502	Waste Evaporator Room
WB503	Recovery Evaporator (A) Room
WB504	Recovery Evaporator (B) Room
WB505	Walkway, Floor Plug Access & Laydown Area
WB506	Waste Processing Control Room
WB507	Solid Waste Processing Room
WB508	Solid Waste Storage Area
WB509	Waste Process Building MCC & Switchgear Room
WB510	Truck Bay, Loading Dock, & Drum Storage Area
WB511	Decontamination Area

El. 53'-0", 64'-0", 71'-0"

WB601	Waste Gas Dryer Room
WB602	Regenerative Compressor Room
WB603	Iodine Guard Bed (A) Room
WB604	Iodine Guard Bed (B) Room
WB605	Ambient Carbon Delay Bed (A) & (B) Room
WB606	Ambient Carbon Delay Bed (C), (D), & (E) Room
WB607	Hydrogen Gas Compressors Room
WB608	Hydrogen Surge Tank Room
WB609	Unassigned Room
WB610	Walkway & Ion Exchanger Access Areas
WB611	Inline Filter Room
WB612	Waste Hopper & Spent Resin Dewatering Pump Rooms
WB613	Crystallizer Equipment Room
WB614	Centrifical Resin Metering Pump & Resin Centrifuge Rooms
WB615	Waste Feed & Conc. Bottoms Tanks Room
WB616	Waste Feed Resins, Conc. Bottom Tk Recirc. & Cement Station Conc. Feed Pump & Cryst/Cond Subcooler Room
WB617	WP Building Motor Control Center & Switchgear Room
WB618	Distillate Cooler, Accumulator & Pump Room
WB619	Steam Generator Blowdown Evaporator (A) Room
WB620	Steam Generator Blowdown Evaporator (B) Room
WB621	Steam Generator Blowdown Evaporator (C) Room
WB622	Particulate Filter (A) Room
WB623	Particulate Filter (B) Room

SEABROOK STATION - ROOM IDENTIFICATION

WASTE PROCESS BUILDING (Cont'd)

El. 86'-0"

WB701	Elevator Machinery Room
WB702	Mechanical Equipment Room
WB703	Fan & Filter Room WAH-FN-13A & B
WB704	Fan & Filter Room WAH-FN-171 & 172
WB705	Fan & Filter Room WAH-FN-12A & B

Roofs

WBRF1	Roof at El. 53'-0"
WBRF2	Roof at El. 86'-0" (Northwest)
WBRF3	Roof at El. 86'-0" (Southwest)
WBRF4	Roof at El. 86'-0" (Southeast)

TANK FARM

El. -3'-0"

TF101	Boron Waste Storage (A) Tank Room
TF102	Boron Waste Storage (B) Tank Room

El. 20'-0" & 25'-0"

TF201	Refueling Water Storage Tank Room
TF202	Walkway (North)
TF203	Reactor Makeup Storage Tank & Recovery Test Tanks Room
TF204	Walkway (South)

Roofs

TFRF1	Roof at El. 81'-0"
TFRF2	Roof at El. 71'-0"

TUNNELS

EM101	Clean Manway From Unit 2 to Admin. Building
EM102	RCA Tunnel From Unit 2 to Admin. Building
EM103	RCA Tunnel from EM104 to Personnel Hatch Area
EM104	Pipe Tunnel from Admin. Building to Waste Process Building
EM105	Pipe Tunnel from Unit 2 to Waste Process Building
EM106	Manway from Fuel Building to PAB
EM107	Pipe Tunnel into the Tank Farm
EM201	Pipe Tunnel Above RCA Walkway Between PAB & Tank Farm and Into the Waste Process Building

SEABROOK STATION - ROOM IDENTIFICATION

FIREWATER PUMP HOUSE

El. 21'-0"

FH101	West Room - FP-P-20B
FH102	Middle Room - FP-P-21
FH103	East Room - FP-P-20A

Roof

FHRF1	Fire Pump House Roof

Transition Structure (Intake)

TS101	Transition Area
TS102	Valve Room

Transition Structure (Discharge)

TS103	Transition Area
TS104	Valve Room

CHLORINATION BUILDING

El. 21'-0"

CL101	Electrical Room
Cl 102	Chlorination Room

Roof

CLRF1	Chlorination Building Roof

SERVICE WATER BUILDING

El. -43'-0"

SW101	Unit 1 (below grade)
SW102	Unit 2 (below grade)

EL. 21'-0"

SW201	Fan Room
SW202	Control Room
SW203	Electrical Room
SW204	Pump & Traveling Screen Area

Roof

SWRF1	Service Water Building Roof

SEABROOK STATION - ROOM IDENTIFICATION

CIRCULATING WATER BUILDING

El. -43-0"

CW101	Unit 2 (below grade)
CW102	Unit 1 (below grade)

El. 21'-0"

CW201	Fish House
CW202	Pump & Traveling Screen Area

Roof

CWRF1	Circulating Water Building Roof