

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I
SEABROOK

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/16/2000	1999009	Pri: OPS Sec:	NRC	NEG	Pri: 1B Sec: 1C Ter: 5A	Steam Generator Chemistry Excursion Several operational deficiencies allowed an increased volume of seawater to enter the steam generators during a secondary chemistry event. Specifically, the operating procedure and existing management expectations enabled the operators to maintain the condensate lineup in preparation for placing an idle pump in-service for an extended period of time. Additionally, the operators were slow to respond to three condensate system alarms during the event. The license is conducting a root cause evaluation to identify any additional corrective actions.
Dockets Discussed: 05000443 Seabrook 1						
01/31/2000	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Nuclear Safety Audit Review committee (NSARC) Meeting A regularly scheduled NSARC meeting effectively reviewed key station activities and satisfied TS requirements.
Dockets Discussed: 05000443 Seabrook 1						
01/31/2000	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 1B Ter: 1C	Plant Shutdown, Steam Generator Chemistry Excursion, and Start-Up The operators performed a reactor down-power and start-up well. The licensee responded well after identifying the problem, to minimize the adverse consequences associated with the intrusion of seawater into the steam generators. The event did not appear to have any immediate steam generator operability concerns.
Dockets Discussed: 05000443 Seabrook 1						
01/16/2000	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 4B Ter:	Year 2000 (Y2K) Readiness Review The licensee developed and implemented a comprehensive Year 2000 contingency plan.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Operator Training and Qualifications Although there were some performance errors, the crews performed acceptably overall in all four examination scenarios. The facility evaluators identified all performance deficiencies from both the Job Performance Measures and the scenarios. Post-scenario evaluations were exceptionally thorough and comprehensive. Detailed trending of drew and individual simulator competency scores was considered a program strength. Remediation and reexaminations practices were appropriate. The facility monitored attendance and ensured that missed training was made up. The facility utilized effective methods for obtaining trainee feedback and for evaluating these comments, as well as plant and industry events, for revision of the training curriculum.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 4B Ter:	Quality Assurance in Opertions/Response to Generic Letter 98-02 The licensee's response to Generic Letter (GL) 98-02, "Loss of Reactor Coolant Inventory and Associated Loss of Emergency Mitigation Functions While in a Shutdown Condition," was appropriate.
Dockets Discussed: 05000443 Seabrook 1						

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12/05/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 5A Ter:	Operator Training and Qualifications The facility utilized effective methods for obtaining trainee feedback and for evaluating these comments, as well as plant and industry events, for revision of the training curriculum.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	Operator Performance - Challenged a Planned Safety Injection System Maintenance Activity A control room operator demonstrated a good questioning attitude by stopping a planned maintenance activity before placing the plant into an improper configuration that would have adversely affected both emergency core cooling system trains.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter: 2B	Engineered Safety Features Actuation System (ESFAS) Surveillance Testing Quarterly engineered safety features actuation system slave relay testing was performed well. Shift management responded appropriately to a minor test error.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: OPS Sec:	NRC	NEG	Pri: 1C Sec: 5B Ter:	Operational Experience Review - Potential Loss of Cooling to Reactor Coolant Pumps The licensee is reviewing its operating procedures to enhance the operator response to a loss of a 4kV bus. Additionally, the licensee is reviewing the operating experience program requirements to ensure that items of potentially higher significance are promptly identified for review.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter: 5B	Corrective Actions - Component Mis-Positioning Review The common cause analysis was a good initiative to assess an adverse trend involving the frequency of component mis-positioning events.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Adverse Condition Reporting (ACR) System There was no formal training of station personnel on the ACR process either within general employee training initial or retraining lesson plans. There was an inconsistent understanding by personnel as to when to issue an ACR and inconsistent use of the program.
Dockets Discussed: 05000443 Seabrook 1						

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08/13/1999	1999010	Pri: OPS Sec:	NRC	NEG	Pri: 5A Sec: 5B Ter: 5C	Self-Assessment Activities Repetitive issues were noted in follow-up audits of program areas indicating lack of effectiveness in correcting problems. Also, the repetitive issues (e.g., procedure adherence) indicated the QA program did not aggressively track and monitor corrective action issues identified in its audits to ensure deficiencies in its audits were properly resolved.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	NEG	Pri: 5B Sec: 1C Ter:	Onsite Operation Review Committee - SORC SORC members did not always actively participate in the discussion of the items being presented and members were not always polled to seek approval or opinions on matters before the SORC.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	NEG	Pri: 5C Sec: Ter:	Corrective Action Program Initiatives over the past two years have resulted in a significant reduction in the backlog of both overdue corrective actions and evaluations. However, the current backlog indicates a need for enhanced personnel accountability and focus on backlog reduction.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Self-Assessment Activities The licensee implemented a generally well defined self-assessment program.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Self-Assessment Activities Quality Assurance audits were an effective element of the self-assessment process and were critical and thorough in evaluating station program areas.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Nuclear Safety Audit Review Committee (NSARC) NSARC implemented numerous actions to improve its efficiency and effectiveness.
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08/13/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5B Sec: 1C Ter:	Onsite Operation Review Committee - SORC The SORC was conducted with appropriate regard to safety and oversight of plant activities.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	Licensee Action on Non-cited Violations (NCVs) Performance regarding corrective actions for NCVs was good. NCVs were entered into the corrective action program and corrective actions were implemented, as appropriate.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010-11	Pri: OPS Sec:	NRC	NCV	Pri: 5C Sec: 1C Ter:	General Performance in Problem Resolution The licensee identified that it was slow to recognize an adverse trend in personnel training and qualification issues. Also, immediate and interim corrective actions were not identified in the corrective action program, and a common cause analysis for numerous training issues had been open for over a year.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: OPS Sec:	NRC	NEG	Pri: 1C Sec: 3A Ter:	Operator Performance Emergency Cooling Tower Operation Procedural and job planning weaknesses contributed to a failure to maintain the cooling tower basin conditions within the TS limits.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	Operator Performance - Conduct Of Operations The Unit Shift Supervisor demonstrated a good questioning attitude by challenging a request to initiate a 3% power reduction to support a planned reactor protection system surveillance test.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 2A Sec: 5C Ter:	Corrective Actions - Operational Status Of Facilities and Equipment The licensee's actions for an elevated steam chase temperature condition were appropriate, however, this condition may have been precluded by examination and cleaning of the ventilation intake screens in response to a previously NRC identified elevated temperature condition.
Dockets Discussed: 05000443 Seabrook 1						

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08/25/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 2B Ter: 2A	Turbine Driven Emergency Feedwater Pump Surveillance Testing The emergency feedwater turbine driven pump surveillance test activities were performed well. The corrective actions for previous oscillations in the indicated pump discharge pressure appeared successful.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5C Ter: 3A	Corrective Actions - Emergency Cooling Tower Operation The licensee appropriately declared the cooling tower inoperable and restored the basin conditions with the TS allowed outage time. The licensee's self-assessment appeared to identify the contributing factors for this event.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	Operator Knowledge and Performance The operators maintained good control of key reactor shutdown parameters. The operators performed the reactor start-up well and the station provided good support to the operators during the start-up.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: OPS Sec:	NRC	NEG	Pri: 1C Sec: 3A Ter:	Operational Status of Facilities and Equipment The inspector noted a poor radiological work practice inside the containment.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	Plant Power Reduction and Cooldown; Turbine Volumetric Test The plant power reduction and cooldown, and the turbine volumetric testing were performed well.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter: 5A	Emergency Diesel Generator (EDG) Surveillance Testing The operators performed the emergency diesel generator testing generally well; however, the licensee identified a few test and configuration control deficiencies during the "A" train testing. These issues were properly entered into the licensee's corrective action program.
Dockets Discussed: 05000443 Seabrook 1						

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04/20/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Conduct of Operations Routine operations were performed well. The licensee responded well to minor equipment deficiencies identified during the period.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001-02	Pri: OPS Sec:	NRC	NCV	Pri: 1C Sec: 3A Ter: 2A	Failure of Primary Auxiliary Building (PAB) Fan PAH-FN-42B Multiple station personnel failed to recognize and question an improper pre-conditioning activity performed on the primary auxiliary building fan dampers during routine testing. The licensee initiated an adverse condition report to review this event. The failure to properly test the safety-related fans is considered a non-cited violation (NCV 99-01-01).
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: 1C Ter: 3A	Emergency Feedwater Pump Operation and Testing The inspector noted a minor problem identification weakness in that several personnel from multiple disciplines did not identify a small steam leak from a EFW steam supply valve. The licensee promptly evaluated the leak, and determined that it did not affect the system operability.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: OPS Sec:	NRC	NEG	Pri: 5C Sec: Ter:	Operational Status of Facilities and Equipment A weakness was noted involving the effectiveness of previous actions to correct these problems involving the storage of boric acid and also ensuring access to the startup feed pump lower suction valve during cold weather conditions.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 1C Ter: 3A	Emergency Feedwater Pump Operation and Testing The emergency feedwater (EFW) turbine driven pump surveillance test activities were performed well.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 4B Ter:	Operational Status of Facilities and Equipment The licensee implemented adequate actions to address a boron storage deficiency, and to ensure timely access to the start-up feed pump condensate storage tank lower suction valve during cold weather conditions.
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01/28/1999	1998010	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: 1B Ter:	Main Feedwater Isolation Event and Human Performance Standdown Several operational errors, including a failure to follow a procedural requirement, contributed to the feedwater isolation event. Additionally, several minor human performance deficiencies occurred during the forced outage. The licensee implemented adequate corrective actions to address these issues.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: 1C Ter:	Event Reports A minor violation was identified for the failure to properly report an event involving the initiation of a shutdown required by Technical Specifications.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Reactor Startup Observations The operators performed two reactor start-ups well.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 1B Ter:	Automatic Reactor Trip Following a Load Reject The operators responded well to stabilize plant conditions following the reactor trip on December 22. The event team review of this event was thorough and the licensee completed appropriate corrective actions prior to the plant restart.
Dockets Discussed: 05000443 Seabrook 1						
01/31/2000	1999009	Pri: MAINT Sec:	NRC	NEG	Pri: 2B Sec: 1C Ter:	Work Planning - Feedwater Isolation Valve Repair The planned operator compensatory actions to ensure isolation of the associated feedwater loop during repair of a nitrogen leak from a feedwater isolation valve were not documented in the on-line maintenance assessment evaluation.
Dockets Discussed: 05000443 Seabrook 1						
01/31/2000	1999009	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Feedwater Valve Nitrogen Leak The maintenance activities to repair a nitrogen leak in the 'A' steam generator main feedwater isolation valve FW-V30 were performed well.
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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
12/05/1999	1999008	Pri: MAINT Sec:	NRC	NEG	Pri: 5B Sec: 4B Ter:	Corrective Actions - Control Building Air Conditioning (CBA) System Electrical Connector Failure The licensee's initial sampling criteria to ensure tht the remaining station electrical connectors were in good condition did not appear consistent with the guidance in draft regulatory guide (DG) 1070.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter:	Control Building Air Conditioning (CBA) System Electrical Connector Failure The licensee responded well to investigate an event involving a failure of the "A" control building air compressor to start due to a broken electrical connector.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5A Ter:	Seal Injection to Repair Steam Leak on The Main Turbine #2 Control Valve (1MS-CV-2) The licensee evaluated and performed a temporary leak seal repair of the main turbine #2 control valve (1MS-CV-2) well. The licensee properly recognized that this type of leak was repetitive and initiated a cause and failure analysis to prevent recurrence.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Freeze Seal Installation Activities The licensee performed a planned freeze seal activity on the 'B' boric acid pump discharge line well. The inspector found the work package and associated on-line maintenance and freeze seal evaluations adequate. In addition, adequate management and oversight support was observed.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Primary Component Cooling Water (PCCW) Pump Maintenance Activities The maintenance activities to repair an oil leak on the 'B' primary component cooling water pump were performed well. The licensee developed a positive initiative to review their vendor manual program requirements.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007-05	Pri: MAINT Sec:	NRC	NCV	Pri: 1C Sec: 2B Ter:	Work Planning - Improper Review of a Planned Safety Injection System Maintenance Activity The licensee did not perform an adequate assessment of a significant planned maintenance activity that affected the normal emergency core cooling system alignment during power operations as required by maintenance procedure WM 10.1. The operator alertly stopped this activity.
Dockets Discussed: 05000443 Seabrook 1						

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09/12/1999	1999006	Pri: MAINT Sec:	NRC	NEG	Pri: 2B Sec: Ter:	Work Planning - Breaker Trip Checks of "C" Primary Component Cooling Water (PCCW) and Train "B" Chargin The inspector identified that the risk assessment performed by the reliability and safety engineering group did not accurately model the turbine driven emergency feedwater pump steam inlet valve position. The licensee initiated an adverse condition report to review this issue.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Replacement of "B" EDG Temperature Instrumentation The inspector noted proper controls and coordination, including system engineering involvement and management oversight, during replacement of the "B" emergency diesel generator (EDG) temperature instrumentation. Field personnel alertly identified a discrepancy between the work instructions and the design drawing and obtained proper engineering involvement to resolve this issue.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: MAINT Sec:	NRC	NEG	Pri: 5C Sec: 2A Ter:	General Performance in Problem Resolution Corrective actions with a high voltage inverter problem were narrowly focused. The revised plan for resolution of the DC surveillance testing was adequate. The Westinghouse AR relay resolution was very good but the potential cross contamination on the instrument racks was inappropriately closed following the first ACR review.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: MAINT Sec:	NRC	NEG	Pri: 5C Sec: 2A Ter:	Operating Experience Review Program NAESCO failed to take prompt action to evaluate the need for preventive maintenance activities on its total population of safety-related AOVs and implement and document corrective actions to prevent failures.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: MAINT Sec:	NRC	POS	Pri: 5C Sec: 2B Ter:	General Performance in Problem Resolution The maintenance rule improvement plan for the MSIVs was thorough and the corrective actions assigned appeared to resolve the outstanding issues. Performance on selected other longstanding equipment degradation issues was not as good.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: MAINT Sec:	NRC	NEG	Pri: 3B Sec: 3A Ter:	Conduct Of Operations The request by a technician to initiate an unnecessary power reduction for a planned surveillance activity indicated that test personnel did not fully understand the surveillance requirements.
Dockets Discussed: 05000443 Seabrook 1						

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08/25/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter: 3A	Service Water Pump Replacement The "D" SW pump mechanical maintenance replacement activities were performed well.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 1B Sec: 4B Ter: 3A	Elevated Main Turbine Bearing Vibration The licensee properly identified and responded well to address elevated main turbine bearing vibration levels experienced during the plant startup activities on May 14, 1999. The planned actions to further reduce the main turbine bearing vibration levels appear appropriate.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 1C Ter: 4B	Pressurizer Safety Relief Valve (RC-V-115) Seat Leakage The licensee properly identified and developed a plan to stop small seat leakage from one of the three pressurizer safety relief valves. The licensee's efforts to seat the valve were successful.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 1C Ter: 4B	Containment Building Level Indicating Transmitter Drift The licensee properly identified, evaluated, and corrected a containment building level indication instrument drift problem.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	NRC	NEG	Pri: 1C Sec: Ter:	Freeze Seal For Replacement of Spent Fuel Discharge Valve (SFPV-2) The inspector identified an industrial safety hazard in that personnel involved with the work activities failed to recognize that a local oxygen monitor indicated a low oxygen condition. The licensee implemented appropriate corrective actions for this finding.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 1C Sec: 1C Ter: 3A	Reactor Vessel Core Barrel Move Excellent performance was observed during removal of the reactor vessel core barrel. The planning, and execution of this activity allowed the move to be completed without any personnel exposure.
Dockets Discussed: 05000443 Seabrook 1						

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06/21/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 1C Sec: 1C Ter: 3A	Primary Component Cooling Heat Exchanger Leak The licensee responded well to evaluate the extent of damage, and to repair a minor leak from the primary component cooling heat exchanger upper head assembly.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 1C Ter: 4A	Refueling Outage/Maintenance Activities The "B" train 4.16kv bus outage, and the "B" EDG outage and cylinder/liner replacement, were well controlled, governed by adequate procedural guidance, and documented in a way that appeared to provide retrievable quality information. The replacement of the #11 cylinder assembly on the "B" EDG appeared to be a prudent action by the licensee. The installation was partially observed by the inspector and found to be adequately handled and documented.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	Freeze Seal For Replacement of Spent Fuel Discharge Valve (SFPV-2) The installation of a freeze seal to support replacement of the spent fuel pump discharge valve was performed well.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 4B Sec: 1C Ter: 2A	First Ten-Year Interval In-Service Inspection Program;Inservice Inspection (ISI) Work In Progress Inservice inspection (ISI) activities including examination of the piping welds, reactor vessel, steam generator tubes, and completion of the first 10 year ISI interval were well planned and implemented by qualified personnel in accordance with approved procedures.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: MAINT Sec:	Licensee	POS	Pri: 5A Sec: 3A Ter:	Oversight Inspection of Electrical Splice Activities The maintenance oversight group identified multiple procedural and documentation deficiencies associated with the installation of electrical splices on safety-related solenoid valves by construction services electricians. The licensee's planned and completed corrective actions for this finding appeared adequate.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002-05	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: 1C Ter:	Emergency Power Sequencer Relay Failures The licensee failed to establish adequate controls in June 1997 to ensure that the K-85 relay met the required calibration criteria prior to installation. This is a non-cited violation (NCV 99-02-01). The event team review, and corrective actions for the relay failures during testing were adequate. The risk associated with this event appeared minimal since the operators could have taken manual actions to compensate for the relay failures.
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04/20/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	Surveillance Test Observations Surveillance testing was performed well during the period.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: MAINT Sec:	NRC	NEG	Pri: 3A Sec: 1C Ter: 1C	Oil Sample Program Weaknesses Several minor corrective action and oil sampling program weaknesses were noted following the test. The licensee is developing corrective actions to address the identified concerns.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: MAINT Sec:	NRC	NEG	Pri: 4B Sec: 1C Ter: 3A	Service Water Fan Deficiency Tag Work control process deficiencies allowed a potentially degraded condition to exist on a safety-related fan for approximately six months without investigation. The equipment issue did not affect plant safety since the fan operated properly when tested.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 1C Ter: 2A	Containment Building Spary Pump Maintenance and Testing The licensee performed a containment building spray pump test and pipe inspection well.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: MAINT Sec:	NRC	POS	Pri: 1C Sec: Ter:	"A" Emergency Diesel Generator (EDG) Air Start Solenoid Valve Repair The licensee repaired and retested a degraded emergency diesel generator air start solenoid valve satisfactorily.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 1C Ter:	Emergency Feedwater (EFW) Check Valve Back Leakage/Repair The licensee satisfactorily repaired and retested the motor driven emergency feedwater pump outlet stop check valve (FW-V70). Adequate foreign material controls were observed.
Dockets Discussed: 05000443 Seabrook 1						

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01/28/1999	1998010	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 1C Ter: 4B	Main Steam Isolation Valve (MS-V-92) Slow Closing Performance The licensee responded well to assure the proper operation of the main steam isolation valves following a test failure. The system engineer has developed a long term plan to ensure the proper operation of the fast closure solenoid valves. This test failure was properly characterized per the maintenance rule requirements.
Dockets Discussed: 05000443 Seabrook 1						
01/16/2000	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 5B Ter:	Residual Heat Removal Pump Vibration and Lubricating Oil Sample Results The licensee's investigation and corrective actions for slightly elevated vibration readings and iron particle concentrations in the lubricating oil reservoirs for both the 'A' and 'B' RHR pump motors were adequate but not successful. The licensee plans additional corrective actions to resolve these issues.
Dockets Discussed: 05000443 Seabrook 1						
01/16/2000	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 5B Ter:	Corrective Actions - Engineering Performance The licensee continued to properly investigate fuel assembly upper nozzle screw integrity issues to determine the root cause and required corrective actions. The newly identified holddown spring screw fractures do not adversely affect the reactor core.
Dockets Discussed: 05000443 Seabrook 1						
01/31/2000	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 2A Ter:	Electric Trip Solenoid Valve Failure The licensee's response to evaluate and correct a degraded turbine generator electrical overspeed trip system was timely and appropriate.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Ultrasonic Testing of Emergency Core Cooling System Piping The licensee's original evaluation for a residual heat removal pipe void did not consider the potential for water hammer. The licensee reviewed this issue and concluded that the potential for a water hammer event was low due to the small void size.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: Ter:	'A' EDG Lubricating Oil Cooler Inlet Temperature A previous elevated EDG lubricating oil temperature condition had not been reported to the system engineer. The licensee initiated a condition report to address this issue.
Dockets Discussed: 05000443 Seabrook 1						

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12/05/1999	1999008	Pri: ENG Sec:	NRC	POS	Pri: 2A Sec: 4B Ter:	'A' EDG Lubricating Oil Cooler Inlet Temperature The licensee's evaluation and corrective actions to address an elevated lubricating oil temperature on the 'A' emergency diesel generator (EDG) lubricating oil heat exchanger were good.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 2A Ter:	Ultrasonic Testing of Emergency Core Cooling System Piping The licensee concluded that two small voids detected in the residual heat removal system piping did not render the system inoperable.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008-13	Pri: ENG Sec:	NRC	NCV	Pri: 4C Sec: 2B Ter:	Ultrasonic Testing of Emergency Core Cooling System Piping The licensee did not implement adequate controls to assure proper functioning of the ultrasonic test device during surveillance testing such as checking or calibrating the instrument at the end of each examination, and ensuring that the instrument use was consistent with the vendor guidelines. This was considered a non-cited violation.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4C Ter:	Emergency Diesel Generator Exhaust Piping Inspection Program The licensee did not obtain sufficient data to justify not performing additional emergency diesel generator exhaust line wall thickness inspections. The licensee planned to perform additional inspections in the future, and to include a larger portion of the baseline data in the sample.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4C Ter:	Degraded Primary Component Cooling (PCCW) Pump Evaluation Several examples were identified where the licensee's evaluation of a degraded pump condition could have been improved including: quantification of the oil consumption during pump operation, and evaluation of the leak consequences in a "post-accident" environment. The licensee initiated an adverse condition report to clarify expectations for system engineers in this area.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4C Ter:	Assessment of Industry Operating Experience The assessment of ITE/Gould J-series relay failures in safety related systems was not completed in a timely manner.
Dockets Discussed: 05000443 Seabrook 1						

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10/24/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	Penetration Seal Degradation The licensee took prompt immediate actions and properly evaluated a licensee identified problem with, penetration sealing material curing.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	Assessment of Industry Operating Experience Industry operating experience issues were typically evaluated within a reasonable time. Applicability determinations and recommended actions were appropriate.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: ENG Sec:	NRC	NEG	Pri: 5B Sec: 5C Ter:	Problem Identification - Primary Component Cooling System Flow Reductions The inspector noted a corrective action program deficiency involving the disposition of an adverse condition report for a repeat valve failure problem. Additionally, the inspector noted that the system engineer was not informed following the third valve failure.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5B	In-Service Testing - Service Water Pump Vibration The licensee appropriately placed the "B" service water pump into an "alert" status after in-service testing indicated an elevated vibration reading. The licensee's operability determination was appropriate.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Motor Operated Valve Pinion Key Failure The licensee actions following the failure of an auxiliary steam system motor operated isolation valve during testing were good.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 2A Ter:	Problem Resolution - Safety Systems Weaknesses continued to be noted in timeliness of corrective action resolution and continued focus was warranted on identification and response to degraded equipment (e.g., Post Accident Sampling System (PASS) panel, Radiation Monitoring System (RMS), Operational Experience (OE) response to vendor issues relative to concerns to Copes/Vulcan valve).
Dockets Discussed: 05000443 Seabrook 1						

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08/13/1999	1999010	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: 5B Ter:	Nuclear Safety Engineering Group (NSEG) There were limited instances noted where NSEG had performed independent evaluation of station activities and identified areas for improvement indicating that NSEG was not being fully utilized to improve station corrective action program performance.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: Sec: Ter:	Problem Resolution - Safety Systems Safety systems selected for review exhibited good material condition and those system engineers interviewed and accompanied on walkdowns were knowledgeable of the present and historical status of their system.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	Operating Experience Review Program Overall, NAESCO collected and distributed operating experience information to station groups for action and the station groups were using the information, as appropriate, to make program enhancements and prevent recurrence. However, some OE items were overdue for review in that applicability evaluations had not been performed consistent with procedure recommended guidance.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 1C Ter: 5C	Corrective Actions - High Motor Amperage and Vibration on the "C" Service Water Pump Some planned corrective actions, which could have prevented this unexpected failure, had not been properly implemented. The "C" service water pump failure had minimal significance, and the inspector concluded that the failure to properly implement a planned corrective action was a violation of minor significance, and not subject to formal enforcement action.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 1C Ter:	Safety Injection System Check Valve Leakage The licensee's recent actions to address a long-standing material problem involving reactor coolant system in-leakage into the safety injection accumulators were appropriate.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 1C Ter: 3A	Fuel Assemblies Upper Nozzle Bolt Integrity The licensee responded well to fuel assembly upper nozzle bolt integrity issues.
Dockets Discussed: 05000443 Seabrook 1						

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06/21/1999	1999002	Pri: ENG Sec:	Licensee	POS	Pri: 5A Sec: Ter:	Pressurizer Surge Line Cooldown The licensee properly identified and evaluated two potential plant issues during the cooldown.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 3B Sec: Ter:	Walkdown Observations A weakness was noted regarding the lack of refresher training for system engineers.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 4A Sec: 4B Ter:	Primary Component Cooling Water System The lack of a plan to resolve the PCCW system flow balance issue in the long term detracted from the otherwise good engineering support noted regarding the flow model development.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4A Ter:	Primary Component Cooling Water System Auxiliary supply fan surveillance procedures, PAH-OS001 and PAH-OS002, were not comprehensive in that they did not verify the position of tornado damper, PAH-DP-356. The procedures were being revised to correct this weakness.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 5B Ter:	Technical Resolution of Plant Problems Past reviews of EDG equipment to support the Preventive Maintenance Optimization program were not always thorough, and there were missed opportunities to address degraded performance of EDG air start valves.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Primary Component Cooling Water System Some PCCW equipment deficiencies had not being entered into the licensee's corrective action program. An administrative procedure was being developed to provide improved guidance to system engineers to correct this problem.
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05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 5B Sec: Ter:	Plant Modifications The evaluations were sound, generally thorough and well documented. Evaluations were not always timely relative to when the issue was originally identified, but were appropriate relative to the safety significance of the issues addressed.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 5C Sec: 5B Ter:	Technical Resolution of Plant Problems Good monitoring of the emergency feedwater piping temperatures has adequately assured system operability for several years while engineering has been unsuccessful in achieving a long term resolution of check valve backleakage problems. The licensee plans to implement a design modification to correct this longstanding and high priority operational impact issue.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 5C Sec: 5B Ter: 4B	Plant Modifications The timeliness in completing initiatives and achieving resolution of long standing problems concerning the emergency diesel generator (EDG) skid and service water vacuum breaker modifications detracted from the otherwise good quality of the engineering support.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 1C Sec: 3C Ter:	Engineering Workload Several initiatives in 1998 (12-week work schedule, focus on operational impact issues, engineering fix-it-now group) were successful in reducing engineering workloads to achieve realistic goals.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: Ter:	Primary Component Cooling Water System The PCCW temperature control valves were found to have an adequate backup nitrogen supply capable of fulfilling the system design requirements.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: Ter:	Primary Component Cooling Water System The team concluded that the PCCW system was installed consistent with the design requirements as described in the UFSAR and the design basis document.
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05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4B Ter:	Plant Modifications Engineering support for all modifications reviewed was good. Technical evaluations, installation instructions, post-modification test plans, and the 10 CFR 50.59 screening and safety evaluations were thorough and well supported.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Generic Letter 96-01 Engineering support was good to complete the reviews required by Generic Letter 96-01. Technical reviews were thorough, design basis documentation was complete and of good quality, and test discrepancies were properly resolved.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Generic Letter 96-01 Engineering support was good in monitoring the status of EDGs and potential deficiencies, and appropriately prioritizing corrective actions to resolve them.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 1C Ter:	Engineering Workload The risk ranking effort of engineering work requests and the decision to retain, train and improve on this effort were noteworthy.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	Primary Component Cooling Water System The licensee's corrective actions in response to PCCW system check valve testing problems as identified in LER 98-013 were found to be acceptable.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: Ter:	Technical Resolution of Plant Problems Engineering supported plant operations with evaluations to address adverse conditions. The evaluations were sound, generally thorough and well documented.
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05/20/1999	1999003-06	Pri: ENG Sec:	NRC	NCV	Pri: 4B Sec: 1C Ter:	Primary Component Cooling Water System The licensee failed to periodically calibrate the PCCW pump high temperature trip circuits. Appropriate actions were taken to calibrate this instrumentation, including an extensive extent-of-condition evaluation to ensure that no generic implications existed with other equipment designated with special-as-requested maintenance frequencies. Therefore, this Severity Level IV violation of test requirements was being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. (NCV 50-443/99-03-01)
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 2A Sec: 4A Ter: 4B	Safety Related Pump Lubricating Oil Analysis Results The licensee properly identified and evaluated a small leak on the "A" containment building spray pump casing drain line. The leak was determined not to be pressure boundary leakage, and the licensee planned to repair this leak during the next refueling outage.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 2A Sec: 4A Ter: 4B	Refueling Outage Planning Activities The risk management review for the scheduled refueling outage (ORO6) activities was thorough, and indicated that the planned outage activities presented minimal plant risk. The outage review board properly reviewed the scope of the planned outage activities.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 2A Sec: 4A Ter: 4B	Safety Related Pump Lubricating Oil Analysis Results Component engineering adequately identified and evaluated several abnormal lubricating oil samples on safety-related components. Although none of the deficiencies challenged the operability of the affected components, the licensee developed adequate plans to address the identified anomalies.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001-08	Pri: ENG Sec:	NRC	NCV	Pri: 2A Sec: 4A Ter: 4B	Primary Auxiliary Building (PAB) Fan Reliability The licensee failed to implement adequate corrective actions to prevent recurrence of repeated primary auxiliary building fan test failures. This is considered a non-cited violation (NCV 99-01-02). The licensee determined that a postulated failure of both fans failures would not have challenged the operation of the primary component cooling water pumps. The initial review of an improperly installed identification tag did not evaluate the potential for this problem to exist on other safety-related components.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4B Ter:	Solenoid Valve Differential Operating Pressure Review The licensee properly evaluated a potential failure mechanism that would have precluded the proper operation of multiple safety-related solenoid valves.
Dockets Discussed: 05000443 Seabrook 1						

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02/26/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4B Ter:	High Flux Trip At Reduced Reactor Power The licensee's evaluation of a bulletin discussing the potential to perform a non-conservative calibration of the nuclear instruments was not completed in a timely manner. The licensee's subsequent response to this issue was appropriate. The inspector reviewed the operating experience backlog and did not identify any operability concerns.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4B Ter:	Emergency Feedwater (EFW) System Piping Review The licensee evaluated an EFW pressurization condition that resulted from a degraded component condition. This piping is normally maintained depressurized. Pressurization of the emergency feedwater system discharge piping did not affect operation of the system, since the pressure source (check valve leakage) would be rapidly depleted during a postulated pipe break event. The licensee had an appropriate plan to ensure that the system operating condition matched the Updated Final Safety Analysis Report.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: ENG Sec:	NRC	NEG	Pri: 2A Sec: 4B Ter:	"A" Emergency Diesel Generator (EDG) Air Start Solenoid Valve Repair The inspector noted weaknesses involving the identification of a degrading valve performance trend, and the timeliness in initiating a root cause analysis for previous solenoid valve failures.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Steam Leak On The "D" Steam Generator Outboard Manway Cover Minor corrective action program weaknesses were noted involving the timeliness of initiating an adverse condition report (ACR), and in documenting the intended disposition of this ACR.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: ENG Sec:	NRC	POS	Pri: 1C Sec: Ter:	Steam Leak On The "D" Steam Generator Outboard Manway Cover The licensee evaluated and performed a temporary repair of a secondary leak from the "D" steam generator manway cover well.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 1C Ter:	New Fuel Receipt and Storage The new fuel assemblies were thoroughly inspected. The licensee properly addressed a minor anomaly involving debris on one of the new fuel assemblies.
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01/28/1999	1998010	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 1C Ter: 4B	Reactor Coolant System Leak A reactor coolant system leak was of minor significance due to its magnitude, and location. The identification of the leak during a plant walkdown indicated a good attention to detail. The licensee responded well to isolate and repair this leak.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Exposure Reduction Efforts Radiological controls were effective in minimizing the dose and limiting the spread of contamination when performing tasks during power operations. Comprehensive planning and integration of various ALARA measures into the work control process were observed.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Applied Radiological Controls Radiological controls were effectively implemented. The program included a trained and experienced staff, detailed procedures to minimize external and internal exposure, appropriate monitoring of personnel, detailed radiation work permits, and proper control of access to radiologically controlled areas.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance in Radiological Protection Activities The licensee implemented effective management controls including quality assurance surveillances, departmental self-assessments, and job observations over the radiation protection program. Worker practices, and procedural compliance were adequately monitored, and prompt actions were taken to evaluate and correct factors that could degrade performance.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Tritium Sampling in Plant Areas The licensee's investigation to determine the source of tritium detected in the plant containment annulus and the spent fuel pool sump was thorough. The measured tritium levels are well below regulatory limits and would not adversely affect the health and safety of the public or the environment.
Dockets Discussed: 05000443 Seabrook 1						
10/24/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Conduct of Security and Safeguards Activities Protected area access controls were properly implemented. The licensee responded well to several fitness for duty test failures that occurred during the period. The licensee responded appropriately to a question involving the access control to a normally inaccessible electrical cable vault.
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09/12/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Adequacy of Testing and Maintenance Programs The licensee was conducting its testing and maintenance activities of security equipment in a manner that protected public health and safety. The inspector concluded that this portion of the program, as implemented, met the licensee's commitments and NRC requirements.
Dockets Discussed: 05000443 Seabrook 1						
09/12/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: 1C Ter:	Security and Safeguards Staff Knowledge and Performance The security force members adequately demonstrated that they had the requisite knowledge necessary to effectively implement the duties and responsibilities associated with their position. The proposed training for the augmentation force met the requirements of the training and qualification plan.
Dockets Discussed: 05000443 Seabrook 1						
08/13/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 5C Sec: Ter:	General Performance in Problem Resolution Plant Support groups have demonstrated adequate problem resolution.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 2A Ter: 5B	Post-Accident Sampling System Event Team Review The licensee's efforts to resolve the recent test failures of the Post Accident Sample System have been comprehensive. In addition, while the root cause has yet to be identified, the Event Team continues to methodically review this issue.
Dockets Discussed: 05000443 Seabrook 1						
08/25/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 5B Ter: 5C	Conduct of Security and Safeguards Activities The licensee responded promptly to restrict the individual's access in accordance with the Fitness for Duty program requirements, and to determine the scope of the individual's work activities. The inspector had no further questions regarding this issue.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	NEG	Pri: 1C Sec: Ter:	EP Procedures and Documentation Based upon the review of recent licensee emergency plan changes, the inspector determined they did not decrease the effectiveness of the plan. The 50.54(q) documentation for two changes did not provide adequate information or reasoning for the change. The licensee initiated an adverse condition report to review their method for adequately documenting plan changes in a 50.54(q) review.
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07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiological Protection and Chemistry Controls/Conduct of Security and Safeguards Activities Routine radiological work practices and security controls were observed to be good.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Status of Emergency Preparedness Facilities, Equipment, and Resources Surveillance tests, equipment inventories, communication and siren tests were performed as required by the Seabrook Station Radiological Emergency Plan (SSREP). No unusual operability trends were noted. However, the monthly pager test records indicated a poor response trend by the emergency response organization (ERO) staff. In response, senior management emphasized the ERO responsibilities to the staff and records indicated an improvement in this area in the first quarter of 1999.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Staff Training and Qualification in EP The inspector concluded that training for the ERO was effectively implemented and management oversight in late 1998 reestablished the importance of maintaining ERO training current.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance (QA) in EP Activities The inspector determined through document reviews and interviews that the audit reports had met the requirements specified in 10 CFR 50.54(t) and the reports clearly demonstrated the bases for the audit conclusions.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Miscellaneous EP Issues The inspector found the licensee's corrective actions, in response to the exercise weakness identified by the NRC in June 1998, to be adequate.
Dockets Discussed: 05000443 Seabrook 1						
07/26/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	EP Organization and Administration No changes in emergency preparedness (EP) staff were noted since the previous inspection. A recent reorganization was completed in which the Manager, EP reports to the Manager, Environmental, Government and Community Relations. It was noted that during 1998, the lack of management oversight resulted in the ERO staff becoming complacent with respect to their EP responsibilities and training requirements. Corrective action was taken and no ERO member deficiencies were identified in the first quarter of 1999.
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07/26/1999	1999004-15	Pri: PLTSUP Sec:	NRC	NCV	Pri: 1C Sec: Ter:	Staff Training and Qualification in EP The licensee conducted emergency response training and drills as required. However, a Non-Cited violation was identified based on the licensee not demonstrating timely activation of the facilities during off-hours as described in the SSREP and the Drill and Exercise Procedure (NCV 99-04-01). The violation was entered into the licensee's corrective action system (ACR 99-2477) and a satisfactory off-hours mobilization drill was conducted on June 9, 1999 to demonstrate activation in a timely manner.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Outage Exposure Reduction Efforts ALARA program requirements were well developed, integrated in the work control process and effectively implemented with respect to reactor disassembly and steam generator inspection/cleaning activities. The final cumulative personnel outage exposure was below the licensee's projected estimate, indicating that the ALARA measures were effectively implemented.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Applied Radiological Controls Radiological controls were effectively implemented as evidenced by a qualified staff properly implementing procedures to minimize external and internal exposure, by developing detailed RWPs, appropriately monitoring personnel exposure, and adequately maintaining radiologically controlled areas.
Dockets Discussed: 05000443 Seabrook 1						
06/21/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance in RP&C Activities The Nuclear Oversight Group and Health Physics management effectively monitored radiation protection program implementation, worker practices, and procedural compliance through close and frequent observations. Prompt actions were taken to evaluate and correct factors that could degrade performance.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Fire Protection Procedure Review Fire protection procedures met the requirements for fire protection program implementation, contained sufficient detail, and were technically sound.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Fire Brigade Drills Performance by the fire brigade team during a fire drill was very good. All expectations of the fire drill were met. Based on discussions with the local fire department, coordination activities to ensure proper understanding of fire fighting strategies at the site were good.
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05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Fire Brigade Training Fire brigade members were current on all required training and annual physical examinations.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Audits and Surveillances The fire protection quality assurance audits appropriately reviewed fire protection program attributes and compliance with program requirements. The fire protection audit findings were appropriately addressed and timely corrective actions were taken for identified deficiencies.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Facility Tour Fire protection equipment conditions and housekeeping were good. Roving fire watches were knowledgeable of station procedures for reporting fires, fire watch duties, and responding to fires. Eight hour emergency light operation and illumination patterns were good.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 4B Ter: 1C	Fire Main Loop Flow Testing/Fire Pump Testing The fire main loop was in good repair, and capable of providing the necessary water supply for fire fighting needs at the facility. The fire pumps were well-maintained and ready for service.
Dockets Discussed: 05000443 Seabrook 1						
05/20/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 4B Sec: 1C Ter:	Fire Barrier Penetration Seals Sampled fire barrier penetration seals were in good condition and the installed configuration of these seals was comparable to that described in Brand Industrial Services, Inc., Construction Group fire test report.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: PLTSUP Sec:	NRC	NEG	Pri: 1C Sec: Ter:	Damaged Cables in Alternate Health Physics Checkpoint Trailer The inspector identified weaknesses regarding the timeliness to notify operations, and security personnel of the first event, and in securing the area to support the subsequent investigation.
Dockets Discussed: 05000443 Seabrook 1						

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04/20/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiological Protection and Chemistry Controls Radiation worker performance was observed to be good during the period. Health physics technicians provided good support to plant workers.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Damaged Cables in Alternate Health Physics Checkpoint Trailer Security personnel properly evaluated two cases of potential tampering in the alternate health physics checkpoint trailer.
Dockets Discussed: 05000443 Seabrook 1						
04/20/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Fitness-For-Duty Test Failures The licensee responded well to several fitness for duty test failures during the period.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Conduct of Security and Safeguards Activities The licensee was conducting security and safeguards activities in a manner that protected public health and safety in the areas of access authorization, alarm stations, communications, and protected area access control of personnel and packages. This portion of the program, as implemented, met the licensee's commitments and NRC requirements.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Status of Security Facilities and Equipment The licensee's security facilities and equipment in the areas of protected area assessment aids, protected area detection aids, and personnel search equipment were determined to be well maintained and reliable and were able to meet the licensee's commitments and NRC requirements.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Procedures and Documentation Security and safeguards procedures and documentation were properly implemented. Event logs were being properly maintained and effectively used to analyze, track, and resolve safeguards events.
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02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Staff Knowledge and Performance The security force members (SFMs) adequately demonstrated that they had the requisite knowledge necessary to effectively implement the duties and responsibilities associated with their position.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Staff Training and Qualification Training was conducted in accordance with the Training and Qualification (T&Q) plan, and based upon interviews and inspector observations was considered effective.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security Organization and Administration The level of management support was adequate to ensure effective implementation of the security program, and was evidenced by adequate staffing levels and the allocations of resources to support programmatic needs.
Dockets Discussed: 05000443 Seabrook 1						
02/26/1999	1998011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance (QA) In Security and Safeguards Activities The review of the licensee's audit program indicated that the audit was comprehensive in scope and depth, that the audit findings were reported to the appropriate level of management, and that the program was being properly administered. In addition, a review of the documentation applicable to the self-assessment program indicated that the program was being effectively implemented to identify and resolve potential weaknesses.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Solid Radioactive Waste Processing, Handling, Storage, and Shipping The radioactive waste management and transportation programs were effectively implemented. Radioactive waste and other radioactive materials were properly characterized, classified, packaged and shipped. The "Green Is Clean" program was aggressively managed and monitored to reduce the volume of radioactive waste generated from routine tasks.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Status of RP&C Facilities and Equipment Radioactive waste processing and storage areas were properly maintained, posted, and controlled. Drums and boxes containing contaminated waste were properly labeled, segregated by waste type, and in satisfactory material condition.
Dockets Discussed: 05000443 Seabrook 1						

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01/28/1999	1998010	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Staff Training and Qualification in RP&C Personnel responsible for classifying radioactive waste and shipping radioactive materials met NRC and DOT training and retraining requirements.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance and Self-Assessment in RP&C Activities Performance of the waste services department was effectively monitored and problem areas were appropriately elevated to the appropriate management level for resolution.
Dockets Discussed: 05000443 Seabrook 1						
01/28/1999	1998010	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Inspection Of Preparations For Transferring Spent Resin Radiological controls were effectively implemented in preparation for transferring spent resin from the spent fuel pool demineralizer to the resin sluice tank. Operational, radiological, and access control issues were effectively coordinated. Pre-job briefings reinforced management expectations on work practices.
Dockets Discussed: 05000443 Seabrook 1						
12/05/1999	1999008	Pri: OTHER Sec:	NRC	POS	Pri: 5A Sec: 1C Ter:	Conduct of Security and Safeguards Activities Routine security controls were properly implemented. The licensee responded well to investigate an issue involving two damaged door locks inside the protected area.
Dockets Discussed: 05000443 Seabrook 1						

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Legend

Type Codes:

BU	Bulletin
CDR	Construction
DEV	Deviation
EEI	Escalated Enforcement Item
IFI	Inspector follow-up item
LER	Licensee Event Report
LIC	Licensing Issue
MISC	Miscellaneous
MV	Minor Violation
NCV	NonCited Violation
NEG	Negative
NOED	Notice of Enforcement Discretion
NON	Notice of Non-Conformance
OTHR	Other
P21	Part 21
POS	Positive
SGI	Safeguard Event Report
STR	Strength
URI	Unresolved item
VIO	Violation
WK	Weakness

Template Codes:

1A	Normal Operations
1B	Operations During Transients
1C	Programs and Processes
2A	Equipment Condition
2B	Programs and Processes
3A	Work Performance
3B	KSA
3C	Work Environment
4A	Design
4B	Engineering Support
4C	Programs and Processes
5A	Identification
5B	Analysis
5C	Resolution

ID Codes:

NRC	NRC
Self	Self-Revealed
Licensee	Licensee

Functional Areas:

OPS	Operations
MAINT	Maintenance
ENG	Engineering
PLTSUP	Plant Support
OTHER	Other

EEIs are apparent violations of NRC Requirements that are being considered for escalated enforcement action in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Action" (Enforcement Policy), NUREG-1600. However, the NRC has not reached its final enforcement decision on the issues identified by the EEIs and the PIM entries may be modified when the final decisions are made.

URIs are unresolved items about which more information is required to determine whether the issue in question is an acceptable item, a deviation, a nonconformance, or a violation. A URI may also be a potential violation that is not likely to be considered for escalated enforcement action. However, the NRC has not reached its final conclusions on the issues, and the PIM entries may be modified when the final conclusions are made.