

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I
 OYSTER CREEK

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/19/2000	1999012	Pri: OPS Sec:	NRC	NEG	Pri: 5B Sec: 4B Ter:	Operability and Reportability Determinations Overall, operability and reportability determinations were acceptable. However, several examples were identified where there was only minimal or no documentation to support the operability conclusion. Also, the support of engineering personnel was not always obtained for the operability determinations. Insufficient documentation and/or engagement of engineering personnel in the review process were observed and documented previously by both the NRC and the licensee.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	General Observations Operator performance during this inspection period was adequate. Overall operator response during the year 2000 (Y2K) transition was appropriate and focus on plant activities was at a high level.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008	Pri: OPS Sec:	Licensee	NEG	Pri: 1A Sec: 3A Ter:	Engineering Human Performance Error During Control Rod System Maintenance A control room senior reactor operator performed a less than adequate review of a control rod clearance. An operator demonstrated attention to detail to identify the discrepancy and stop the evolution.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Work Management and Maintenance Planning Operations demonstrated attention to detail to intervene when work management processes did not meet management's expectations.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: OPS Sec:	NRC	NEG	Pri: 3C Sec: 1A Ter:	High Contamination Area Awareness Reactor building equipment operators did not consistently demonstrate good radiological work practices to question a radiological posting change in the shutdown cooling pump room.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Hurricane Floyd Response Operations took appropriate actions in preparation for Hurricane Floyd and effectively implemented their high winds procedure.
Dockets Discussed: 05000219 Oyster Creek						

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09/26/1999	1999007-01	Pri: OPS Sec:	Licensee	URI	Pri: 1A Sec: 5A Ter: 5B	Offsite Power Source Availability Operations management demonstrated a safety-focused questioning attitude in challenging the Plant Review Group's operability determination concerning a 34.5KV offsite power source. This item remains unresolved pending NRC review of the licensee's resolution of the operability and reportability aspects of this issue. Positive This uri was closed out in report 9909. See report 9909, section E1.2, for more information regarding this uri.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007-02	Pri: OPS Sec:	Self	NCV	Pri: 1A Sec: Ter:	Core Spray System 69 Permissive Inadvertent Operation Operator error resulted in momentary unavailability of core spray pump. The operator's failure to position the proper switch in accordance with Procedure 108, Equipment Control, Section 10.3, is a violation of TS 6.8.1, which requires that written procedures shall be established, implemented and maintained. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. Operations documented this issue in CAP 1999-1227. Negative
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007-03	Pri: OPS Sec:	NRC	NCV	Pri: 1A Sec: Ter:	Equipment Control Procedure Non-compliance Operators did not comply with administrative and independent verification requirements as required by Procedure 108, Equipment Control. This is a violation of TS 6.8.1, which requires that written procedures shall be established, implemented and maintained. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. Operations documented this issue in CAP 1999-1257. Negative
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: OPS Sec:	Self	POS	Pri: 3A Sec: Ter:	Isolation Condenser Elevated Temperatures Operators responded appropriately to elevated temperatures on an isolation condenser.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 1A Ter: 5A	Offsite Power Source Availability Operators demonstrated configuration control and technical specification awareness in response to the loss of 34.5 KV offsite power and an abnormal indication on a startup transformer voltage regulator.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005-02	Pri: OPS Sec:	Self	NCV	Pri: 3A Sec: 1A Ter: 5C	Inadvertent Emergency Service Water Isolation An operator error resulted in a momentary isolation of emergency service water system 2 with the redundant system out of service for maintenance. The operator's failure to position the proper valve in accordance with Procedure 310, Containment Spray Operation, Section 2.3 is a violation of TS 6.8.1, which requires that written procedures shall be established, implemented and maintained. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. Operations documented this issue in CAP 1999-0955. GPUN management performed a thorough review to learn from the event and to implement necessary corrective actions.
Dockets Discussed: 05000219 Oyster Creek						

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07/04/1999	1999004	Pri: OPS Sec:	Licensee	NEG	Pri: 3A Sec: 1C Ter: 5A	Licensed Operator Requalification Training (LORT) Program Evaluation Several Licensed Operator Requalification Training written exams contained questions that were inappropriate for the senior reactor operator level and also contained some direct look-up type questions. The licensee initiated corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	Licensee	NEG	Pri: 5A Sec: 1C Ter: 3A	Licensed Operator Requalification Training (LORT) Program Evaluation The licensee determined that a weekly quiz for operator training cycle 99-4 was faulty and promptly initiated corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 3B Ter:	Electromatic Relief Valve Acoustic Monitoring Degraded Circuitry Operators demonstrated safety conscious decision making and responded appropriately to electromatic relief valve acoustic monitoring circuitry low bias alarms.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 5A Ter:	Maintenance Work Practices Operators responded appropriately to a maintenance technician induced isolation condenser level instrument malfunction.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Licensed Operator Requalification Training (LORT) Program Evaluation The Licensed Operator Requalification Training program met regulatory requirements with no significant weaknesses identified. Licensed Operator Requalification Training program content was balanced and met the needs of the operators.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Licensed Operator Requalification Training (LORT) Program Evaluation Simulator scenario evaluations were objective and thorough.
Dockets Discussed: 05000219 Oyster Creek						

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07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Licensed Operator Requalification Training (LORT) Program Evaluation The feedback process as part of the systems approach to training (SAT) program was effective.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Licensed Operator Requalification Training (LORT) Program Evaluation Overall, the licensee effectively provided training for licensed operators and evaluated their performance.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	General Comments Senior management remained actively engaged in safety consequential decision making and reinforced their high standards for material condition readiness during frequent plant tours.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 3C Ter: 5A	Core Spray System Surveillance Risk Assessment A group shift supervisor demonstrated a questioning attitude and configuration control awareness in identifying a core spray system channel calibration test procedure weakness.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 4A	Potentially Degraded Emergency Diesel Generator Underground Fuel Oil Transfer Line Operations demonstrated ownership, design basis awareness, and configuration control awareness in leading the corrective actions to address a potentially degraded emergency diesel generator underground fuel oil transfer line.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 5C	Degrade Main Transformer Cooling Fans Operators demonstrated a questioning attitude to promptly initiate corrective action to address degraded main transformer cooling fans.
Dockets Discussed: 05000219 Oyster Creek						

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07/04/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 5B Sec: 3B Ter:	Independent Onsite Safety Review Group Assessment Activities Independent Onsite Safety Review Group assessments demonstrated safety focus and active independent involvement.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 1C Ter: 5A	Seismic Concern Awareness Senior reactor operators did not demonstrate awareness concerning the potential for erected scaffold to adversely affect plant equipment.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 1A Ter:	Feedwater Instrument Line Leak Operators responded appropriately to a leaking feedwater instrument line.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: OPS Sec:	Licensee	POS	Pri: 3A Sec: 1A Ter: 5A	Operator Awareness to Offsite Power Source Requirements Operators demonstrated configuration control awareness relative to offsite power source requirements. In addition, equipment operators promptly identified a degraded condition affecting a startup transformer and management ensured timely and appropriate corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: OPS Sec:	Licensee	POS	Pri: 3A Sec: 5A Ter: 1A	Radwaste Operator Awareness A radwaste operator demonstrated alert watchstanding and promptly identified increased leakage from a condensate demineralizer. Operators isolated the leak before the leakage adversely impacted radiological conditions or plant operations.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Control Room Deficiency Backlog Review Operators effectively used deficiency tags, work requests, and the electronic tracking log to initiate and track corrective actions for existing control room deficiencies.
Dockets Discussed: 05000219 Oyster Creek						

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04/11/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 1A Ter: 5C	Reactor Protection System Corrective Maintenance Operations personnel demonstrated thorough pre-job planning, including senior management involvement, to restore power supply redundancy to the reactor protection system (RPS). Operations conducted an in-depth risk assessment and developed contingency plans for potential transients.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 4A Ter:	Offsite Power Source Awareness Operators demonstrated an improved awareness to offsite power source requirements.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: OPS Sec:	Licensee	POS	Pri: 3A Sec: 5A Ter:	Fire Protection System Valve Out of Position An operator demonstrated awareness of plant configuration to discover a fire protection water valve out of position.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 1A	Group Shift Supervisor Configuration Control Awareness A group shift supervisor demonstrated configuration control awareness and actively intervened to minimize the potential for an inadvertent control rod drive pump trip during planned maintenance.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 1A Ter: 5A	Operability Determination Timeliness SROs did not promptly engage the corrective action process and failed to address operability, in a timely manner, for a degraded secondary containment isolation valve. Reduced SRO staffing levels contributed to a lack of independent operations management oversight of the condition.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 5A Ter:	Documentation and Review Less than Adequate Attention to Detail While not safety significant, isolated examples of equipment operators not consistently completing logs and procedures were identified. More significantly, senior reactor operators did not identify these issues in their review of the completed logs and procedures.
Dockets Discussed: 05000219 Oyster Creek						

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02/28/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter: 5A	Feed System Minimum Flow Valve Leakage Operators demonstrated safety focus by promptly reducing power when equipment operators identified a leak in the body of the 'A' feed system minimum flow valve.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 1A Ter: 5A	Operator Awareness to Masked Alarms A control room operator demonstrated an awareness of plant conditions and a questioning attitude in identifying a masked control room alarm during standby liquid control system maintenance.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: 1A Ter: 5B	Unexpected Rod Motion Response Operators responded promptly and appropriately, and demonstrated a questioning attitude in response to unexpected control rod motion.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: 1C Ter: 3C	Plant Staff Use of Overtime Operations personnel were knowledgeable of technical specification (TS) overtime limits and effectively managed the use of overtime during routine plant operations and the 17R refueling outage.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: OPS Sec:	Self	POS	Pri: 1B Sec: 3A Ter:	TURBINE ELECTRICAL PRESSURE REGULATOR (EPR) MALFUNCTION Control room operators responded promptly and appropriately to an electrical pressure regulator (EPR) induced pressure transient and restored the plant to normal conditions.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: OPS Sec:	Licensee	POS	Pri: 3A Sec: 5A Ter: 1B	TURBINE ELECTRICAL PRESSURE REGULATOR (EPR) MALFUNCTION Operators demonstrated a good alertness to plant conditions in identifying small pressure oscillations in the turbine pressure control system.
Dockets Discussed: 05000219 Oyster Creek						

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01/17/1999	1998011	Pri: OPS Sec:	Licensee	POS	Pri: 5A Sec: 4A Ter: 5C	INDEPENDENT ON-SITE SAFETY REVIEW GROUP (IOSRG) ASSESSMENT ACTIVITIES Independent On-Site Safety Review Group assessments demonstrated good safety focus, active independent involvement, good questioning attitude, design basis awareness, and effective use of the corrective action system.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: OPS Sec:	Licensee	POS	Pri: 5B Sec: 2A Ter:	REACTOR BUILDING CLOSED LOOP COOLING WATER IN-LEAKAGE Operations adequately monitored and performed troubleshooting of the reactor building closed loop cooling water in-leakage. Operations effectively engaged engineering to assess the condition, the impact on continued operations, and to develop corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011-01	Pri: OPS Sec:	NRC	VIO IV	Pri: 4A Sec: 5B Ter: 5C	TURBINE BUILDING VENTILATION SYSTEM INEFFECTIVE CORRECTIVE ACTIONS. Operations and engineering corrective actions were ineffective in maintaining the design basis turbine building differential pressure. Degraded system performance was not promptly identified, corrected and reported to appropriate levels of management despite prior opportunities to do so. Prolonged operation with less than adequate turbine building differential pressure was a violation of 10 CFR Part 50, Appendix B, Criterion XVI, "Corrective Actions." Operations and engineering took aggressive action to ensure proper maintenance of the design basis turbine building differential pressure after the inspectors discussed their findings. Turbine Building Ventilation System Ineffective Corrective Actions.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: MAINT Sec:	NRC	NEG	Pri: 1A Sec: 3A Ter:	Surveillance Activities Overall, personnel used the appropriate procedure, obtained prior approval, and completed applicable surveillance testing prerequisites. Personnel used properly calibrated test instrumentation, observed good radiological practices, and properly documented test results to ensure that equipment met TS requirements. However the inspector did note one instance where two surveillances which had the potential to impact safety related control room torus level indicators, were inappropriately authorized to be performed simultaneously.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009-01	Pri: MAINT Sec:	NRC	NCV	Pri: 5B Sec: 5C Ter: 2B	Control Rod Drive Pump Post Maintenance Configuration Restoration After a maintenance activity to replace a valve in the control rod drive pump oil cooling system, operators identified that the valve was left in the wrong position and the pump was put in service for fifteen hours with no oil cooling available. A similar issue associated with post maintenance configuration control was identified in November 1998 and the licensee did not take adequate corrective actions as evidenced by the second occurrence in 1999. The inadequate corrective actions associated with this activity were determined to be a Severity Level IV violation of 10 CFR, Appendix B, Criterion 16, "Corrective Action." This severity level IV violation is being treated as a Non-Cited Violation, consistent with Section VII.B.1.a of the NRC Enforcement Policy. This matter is in the licensee's corrective action program as CAP No. 1999-1557. (NCV 50-219/99009-01)
Dockets Discussed: 05000219 Oyster Creek						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/07/1999	1999008	Pri: MAINT Sec:	NRC	NEG	Pri: 2B Sec: 3A Ter:	Work Management and Maintenance Planning Work week schedules, maintenance planning and incomplete job orders presented several challenges to plant operations.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: MAINT Sec:	NRC	NEG	Pri: 3A Sec: 3A Ter:	Scram Discharge Instrumentation Volume Surveillance Test Maintenance technicians demonstrated poor work practices during a surveillance test. A lead maintenance technician provided a good self-assessment of the poor work practices to his supervisor.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Hurricane Floyd Response Site Services provided operations support through their timely and comprehensive actions to secure loose equipment and materials on site and prepare the site for high winds.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: Ter:	Quality Verification of Isolation Condenser Vent Valves Maintenance A Quality Verification specialist demonstrated attention to detail and determination to document deficiencies with a maintenance activity to repack isolation condenser vent valves.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: MAINT Sec:	Licensee	NEG	Pri: 2B Sec: 2A Ter: 3A	Fire Diesel Maintenance Work practices and material condition of the No. 1 fire diesel challenged the maintenance organization.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 4B Ter:	Isolation Condenser High Point Vent Valve Maintenance Maintenance technicians adequately performed repairs to the emergency condenser high point vent valves.
Dockets Discussed: 05000219 Oyster Creek						

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08/15/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	Fire Diesel Maintenance Maintenance personnel appropriately identified deficiencies with a fire diesel and engaged the corrective action process.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: MAINT Sec:	Self	NEG	Pri: 3A Sec: 3C Ter:	Maintenance Work Practices Maintenance technicians demonstrated poor work practices during a snubber inspection which resulted in an isolation condenser level instrument malfunction.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 1C Ter:	Potentially Degraded Emergency Diesel Generator Underground Fuel Oil Transfer Line Maintenance properly coordinated and controlled work associated with the identification and troubleshooting of a potentially degraded emergency diesel generator underground fuel oil transfer line.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2A Ter: 1C	Degraded Emergency Service Water Pump Operations, maintenance, and engineering responded promptly and appropriately to a degraded emergency service water pump. Engineering's root cause analysis continued at the end of the inspection period.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2A Ter: 1C	Isolation Condenser Steam Line High Point Vent Isolation Valve Corrective Maintenance Work week managers appropriately considered technical specifications, existing plant conditions, and emergency operating procedures in planning emergent isolation condenser vent valve corrective maintenance.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	Feedwater Instrument Line Leak Maintenance technicians adequately repaired feedwater instrument piping and restored the system to service.
Dockets Discussed: 05000219 Oyster Creek						

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05/23/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Quality Verification Involvement Quality verification assessors remained actively involved in plant activities, performed safety-focused assessments and promptly initiated corrective action reports for identified deficiencies.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: MAINT Sec:	Self	NEG	Pri: 2B Sec: 4A Ter: 5A	Emergency Service Water Pump Start Switch Configuration Control Maintenance planning did not identify the proper jumper configuration on an emergency service water pump start switch resulting in a pump post-maintenance testing failure.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3B Ter:	Maintenance Activities The inspector determined that on-line maintenance activities were conducted in a controlled and well scheduled manner. The risk associated with the conduct of on-line maintenance activities was conducted in a reasonable manner with one exception noted.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3B Ter: 5C	Control Room Deficiency Backlog Review Maintenance supported operations as they effectively prioritized, scheduled, and worked open job orders to reduce the control room deficiency backlog.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5B Ter:	Reactor Protection System Corrective Maintenance Maintenance planning performed an appropriate on-line maintenance risk assessment to plan and schedule RPS maintenance.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 5C	Emergency Service Pump Water Pump Start Switch Configuration Control A maintenance technician demonstrated ownership and initiative to quickly identify the missing jumpers on an emergency service water pump start switch that resulted in a post-maintenance pump start failure.
Dockets Discussed: 05000219 Oyster Creek						

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02/28/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: 2B Ter:	Fire Diesel and Pump House Material Condition The material condition of a fire diesel and the electric power supply to the fire pump house presented a challenge to plant operations and resulted in increased unavailability.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 3A Sec: 2B Ter:	Equipment Deficiency Tagging and the Work Control Process Maintenance technicians did not consistently ensure the removal of equipment deficiency tags following correction of the deficient condition.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	Self	NEG	Pri: 4C Sec: 4A Ter:	Emergency Service Water Pump Coupling Failure Configuration Maintenance Engineering (procurement engineering) did not maintain a well-documented and traceable material history record for the ESW pumps.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter: 5C	Standby Gas Treatment System Material Condition GPUN responded properly to two material condition issues on the standby gas treatment systems which resulted in increased unavailability, unplanned TS limiting conditions for operation entries, and challenges to engineering.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter: 5A	Maintenance Backlog Review Recent improvements in planning and scheduling resulted in a reduction in the non-workable non-outage backlog. The planning and scheduling department performed critical self-assessments of work processes, identified several work control deficiencies, and initiated appropriate corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 2B	Maintenance Rule Application Maintenance management demonstrated a questioning attitude to identify work control process deficiencies and initiated appropriate corrective actions for problems encountered during an emergency diesel generator surveillance.
Dockets Discussed: 05000219 Oyster Creek						

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02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: 1C Ter: 3C	Plant Staff Use of Overtime Instrument and control personnel were knowledgeable of TS overtime limits and effectively managed the use of overtime during routine plant operations and the 17R refueling outage.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: 2B Ter:	Emergency Diesel Generator Corrective Maintenance Group shift supervisors maintained proper configuration control and effectively controlled emergency diesel generator availability in response to emergent corrective maintenance.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	Fire Diesel and Pump House Material Condition Operations, maintenance and engineering took adequate corrective actions to make repairs to the fire protection system.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: MAINT Sec:	Self	NEG	Pri: 3A Sec: 2B Ter:	TURBINE ELECTRICAL PRESSURE REGULATOR (EPR) MALFUNCTION Instrumentation and control technicians did not demonstrate good attention to detail in securing the EPR linkage resulting in an unanticipated pressure transient and challenge to control room operators.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	CORE SPRAY SYSTEM HEALTH Operations and maintenance maintained the core spray systems in good material condition.
Dockets Discussed: 05000219 Oyster Creek						
01/19/2000	1999012	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Problem Identification The problem identification program was generally acceptable. Deficiencies identified by the licensee were usually entered in the corrective action program in a timely manner and the threshold for initiating problem reports was low. The team found some examples where a deficiency was identified by the licensee, but not placed into the CAP process. One example was the licensee's failure to document and evaluate through the CAP process several combustion turbine start failures. In another instance, a higher than anticipated control rod drive pump discharge pressure was not entered into the CAP more than two years later.
Dockets Discussed: 05000219 Oyster Creek						

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01/19/2000	1999012	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: Ter:	Root Cause Determination The review level selected for root cause evaluations was commensurate with the safety significance of the identified problem and the evaluations were timely. The documentation of the root cause process, however, was somewhat limited, such that use of the licensee's recommended guidance was not always evident. In certain cases, a more formalized approach to the root cause determination would have provided more focused results.
Dockets Discussed: 05000219 Oyster Creek						
01/19/2000	1999012	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	Use of Risk Insight Risk evaluation results were used at Oyster Creek to provide comprehensive, technically sound, and timely identification of the significance of component and system issues, and to select the optimal resources for corrective action implementation. The use of risk insights for online maintenance was also acceptable.
Dockets Discussed: 05000219 Oyster Creek						
01/19/2000	1999012	Pri: ENG Sec:	NRC	POS	Pri: 5C Sec: Ter:	Problem Resolution The existing Oyster Creek corrective action program provided for an effective means to identify operational, system, or equipment problems and to monitor the resolution of the problems until completion. Resolution of the problems was reasonable and, for the most part, timely. The corrective actions to address the start reliability of the station blackout combustion turbines (CTs) were not always effective, causing the placement of CT No. 2 in the (A)(1) Maintenance Rule status. However, partly because only one of two CTs is needed for station blackout, the overall reliability of the alternate ac system remained high. The reliability of CT No. 2 improved steadily during the last year.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: Ter:	10 CFR 50.59 Evaluation for the Sale of Part of the Oyster Creek Site Boundary The licensee's 10 CFR 50.59 safety evaluation for the sale of the Forked River land appropriately addressed any potential changes to the technical specifications and the final safety analysis report.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4A Ter:	Core Spray Cooling Fans Following the identification that the core spray room recirculation cooling fans were not working properly, engineering performed a thorough evaluation of the operability requirements and initiated appropriate corrective actions to assure the fans would be maintained within the preventive maintenance program.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008	Pri: ENG Sec:	Licensee	NEG	Pri: 4B Sec: 3B Ter:	Engineering Human Performance Error During Control Rod System Maintenance Engineering challenged operators and provided less than adequate support in the development of an inaccurate core maneuvering plan to be used for planned maintenance on the control rod system. Specifically, informal communications and inattention to detail caused the core engineering group to issue an inaccurate core maneuvering plan to operations. A control room SRO performed a less than adequate review of a control rod tagging outage. An operator demonstrated attention to detail and provided the final barrier to prevent potential reactivity challenges when he identified the discrepancy and stopped the evolution.
Dockets Discussed: 05000219 Oyster Creek						

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11/07/1999	1999008	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 5C Ter:	Core Spray Pump Motor Heater Engineering Evaluation Engineering provided a less than thorough evaluation of a degraded core spray pump motor heater to operations. The informal communication did not include a firm technical basis regarding what conditions could cause the degraded motor heater to impact the safety function of the core spray system. Subsequently, engineering adequately addressed the degraded motor heaters in engineering evaluation 0161-99. Additionally, the licensee missed two opportunities to identify the fact that the potential safety impact of the degraded motor heaters had not been evaluated properly.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: ENG Sec:	NRC	NEG	Pri: 4A Sec: 5A Ter:	Electromatic Relief Valve Cable Addition Although the inspector determined that a fault at one electromatic relief valve (EMRV), or on the associated wiring, would not prevent the other EMRVs from operating, the oversight by the licensee of not addressing short circuit and fuse-breaker coordination following the cable addition indicated insufficient attention to detail during the modification process.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 2A Ter:	Environmental Qualification of Isolation Condenser Vent Valves The justifications provided by the licensee for the removal from the EQ program of the solenoid valves associated with the isolation condenser vent valves were reasonable and acceptably addressed the NRC concerns regarding the solenoid's ability to perform their safety function when required.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: ENG Sec:	Licensee	POS	Pri: 4A Sec: 5A Ter:	Offsite Power Source Availability Engineering demonstrated design basis awareness and a questioning attitude in identifying a potential operability concern involving a 34.5KV offsite power source.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: ENG Sec:	Self	POS	Pri: 4B Sec: 4C Ter:	Emergency Diesel Generator Starting Circuit Deficiency Engineering conducted prompt and appropriate evaluations to support continued emergency diesel generator operability in response to recurring start failures in the non-emergency mode during surveillance testing.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: ENG Sec:	Self	POS	Pri: 4B Sec: 5B Ter: 5C	Reactor Building Closed-Loop Cooling Water Breaker Trips A system engineer performed a good extent of condition and root cause evaluation to determine the cause of multiple reactor building closed-loop cooling water pump breaker trips.
Dockets Discussed: 05000219 Oyster Creek						

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08/15/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Isolation Condenser Elevated Temperatures Engineering provided good support to correct elevated temperatures on an isolation condenser and to improve guidance to operations personnel.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5A Ter:	Control Rod 26-39 Cooling Water Isolation Troubleshooting Action The control rod drive system engineer effectively prepared a troubleshooting action plan to isolate cooling water to a suspected leaking drive mechanism. The plan made good use of plant operating experience as well as vendor information. Compensatory measures were appropriate and effectively implemented.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	Isolation Condenser High Point Vent Valve Maintenance System engineering provided good support of repairs to the emergency condenser high point vent valves. The system engineer properly dispositioned an unforeseen delay and established effective time limit criteria in order to balance system maintenance versus unavailability. Lessons learned were captured for future reference.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: ENG Sec:	Licensee	POS	Pri: 4B Sec: 5B Ter: 5C	Engineering Evaluation Of Abnormal Conditions Engineering supported operations through their prompt actions to evaluate abnormal conditions involving the emergency service water discharge piping. Engineering adequately addressed operability and initiated appropriate corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Degraded Emergency Service Water Pump Root Cause Analysis Engineering conducted a comprehensive root cause evaluation for a degraded emergency service water pump and initiated timely and appropriate corrective actions. In addition, engineering demonstrated excellent system ownership and close vendor oversight.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005-10	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: 5B Ter: 5C	Electrical Separation Considerations for New 125Vdc Cable Installation Engineering failed to properly implement the requirements of their cable installation specification during a March 1998 electromatic relief valve 125Vdc cable addition modification. Engineering's failure to implement design control requirements is a violation of 10 CFR 50, Appendix B, Section III, Design Control. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. Engineering documented this issue in CAP 1999-1093. When made aware of the discrepancy on July 5, 1999, engineering did not pursue resolution in a timely and diligent manner commensurate with the potential safety significance.
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07/04/1999	1999004	Pri: ENG Sec:	Licensee	NEG	Pri: 4A Sec: 4B Ter: 1C	Core Spray System Surveillance Risk Assessment Engineering did not thoroughly evaluate the risk implications associated with a change to the core spray system channel calibration testing methodology.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 3A Sec: 5A Ter: 1C	Shift Technical Advisor Involvement Shift technical advisors conducted safety-focused plant tours, applied appropriate engineering principles to evaluate plant conditions, and promptly documented identified deficiencies via the corrective action process.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4B Ter: 5C	Electromatic Relief Valve Acoustic Monitoring Degraded Circuitry Engineering provided operations support through their timely evaluation of electromatic relief valve acoustic monitoring circuitry low bias alarms.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 5B Ter:	Spent Fuel Pool Cooling Piping Supports An engineer showed attention to detail to call into question the calculations for several spent fuel pool cooling piping supports and report the issue to management via the corrective action process.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4A Ter: 5C	System Engineering Support of Operations System engineers provided operations support, demonstrated design basis awareness, and promptly initiated corrective actions to address concerns involving the standby liquid control and hydrogen monitoring systems.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4A Ter: 5B	Reactor Protection System Corrective Maintenance Engineering performed a thorough evaluation to identify failed RPS power supply components and to install temporary modification to mitigate potential transients during maintenance.
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04/11/1999	1999002-01	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: 4C Ter: 5C	Cable separation non-compliance Engineering failed to ensure that cable trays, installed in 1981, met the design basis cable separation requirements. Engineering initiated appropriate corrective actions to address this condition. This severity level IV violation was treated as a Non-cited Violation, consistent with Appendix C of the NRC Enforcement Policy. GPUN documented this issue in CAP 1999-0405 (NCV 50-219/99-01-01).
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	Licensee	NEG	Pri: 3A Sec: 5A Ter: 5B	Local Power Range Monitor Calibration Currents Data Entry Error Core engineering provided inaccurate local power range monitor calibration currents to I&C technicians. However, core engineering demonstrated a questioning attitude and self-identified the discrepancy shortly thereafter. Station management initiated appropriate corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	NEG	Pri: 5A Sec: 3A Ter:	Equipment Deficiency Tagging and the Work Control Process System engineers did not consistently identify outdated equipment deficiency tags during their system walkdowns.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 2B Sec: 2A Ter: 5C	Standby Gas Treatment System Material Condition Engineering used methodical troubleshooting to promptly and appropriately evaluate and correct standby gas treatment system degraded performance. Engineering also initiated actions to improve the material condition of the system.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 3A Sec: 4A Ter:	Maintenance Backlog Review A review of open corrective maintenance items did not identify any operability issues, but showed that most system engineers but not all consistently demonstrate ownership relative to tracking maintenance backlog open items.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 3A Sec: 4A Ter:	Unexpected Rod Motion Response System engineers and reactor engineers responded promptly and appropriately and demonstrated a questioning attitude in response to the unexpected control rod motion.
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02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4A Ter: 4B	Main Steam Line Low Pressure Switch Relay Actuations Engineering provided good support to operations in their prompt and thorough evaluation of the multiple momentary main steam line low pressure relay actuations. Engineering evaluated operability and initiated appropriate corrective actions.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter: 5C	Air System Walkdown In general, the instrument air system engineer demonstrated system ownership and effectively implemented Maintenance Rule requirements in order to improve system reliability and availability.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: 4A Ter:	Maintenance Rule Application System engineering properly evaluated and implemented a one-time emergency diesel generator surveillance test change that improving availability without adversely impacting reliability. This represented good implementation of Maintenance Rule requirements.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 5C Sec: 5B Ter: 3A	Feed System Minimum Flow Valve Leakage Engineering responded well to a flow accelerated corrosion caused leak from the 'A' feed system minimum flow valve and demonstrated a questioning attitude in discovering that the 'B' minimum flow valve exhibited seat leakage and planned extensive corrective actions for the next downpower.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001-01	Pri: ENG Sec:	Self	NCV	Pri: 4A Sec: 5A Ter:	Failure to implement the design control requirements of 10 CFR 50, App B, Section VII, Control of Purchased The emergency service water (ESW) pump vendor did not adequately control ESW pump coupling materials resulting in a pump failure during an ESW system surveillance. This Severity Level IV violation was treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. GPUN documented this issue in CAP 1999-056.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001-02	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: 4C Ter: 5A	Failure to ensure that cable separation requirements were correctly translated into installation instructions. Engineering had not adequately evaluated an isolation condenser thermocouple monitoring modification to ensure that the installed cabling met cable separation requirements. This severity level IV violation is being treated as a Non-cited Violation, consistent with Appendix C of the NRC Enforcement Policy. GPUN documented this issue in CAP 1999-259.
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02/04/1999	1998012	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: Ter:	GL 89-10, Motor Operated Valve Program Review The licensee showed completed activities required for the NRC to close its review of the GL 89-10 MOV Program. The licensee also completed several modifications that enhanced valve performance and updated the Performance Prediction Methodology (PPM) calculations to reflect industry standards.
Dockets Discussed: 05000219 Oyster Creek						
02/04/1999	1998012	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: 4A Ter:	GL 89-10, Motor Operated Valve Program Review The efforts to enhance the MOV program during the 17R refueling outage were good. These efforts included: (1) modifying the reactor water cleanup valves and isolation condenser valves to increase their output capability; (2) increasing the torque switch settings of torus spray valves; and (3) dynamic testing of torus spray valves and shutdown cooling valves.
Dockets Discussed: 05000219 Oyster Creek						
02/04/1999	1998012	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: 5C Ter:	Self-assessment of Environment Qualification The licensee had completed an in-depth self-assessment (audit) of the Oyster Creek EQ program, excluding the EQ process and EQ procedure reviews. The auditors were knowledgeable of EQ requirements and were qualified for their audit functions. The licensee management was actively involved with the audit and had provided appropriate personnel to support the audit. Responses to the auditors' questions were generally prompt, and the resolutions and corrective actions were appropriate.
Dockets Discussed: 05000219 Oyster Creek						
02/04/1999	1998012	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	Electromatic Relief Valve Design Control Issue Corrective Actions The corrective actions for design control issue of the electromatic relief valve were comprehensive and in-depth. The corrective actions for the other engineering open items were adequate.
Dockets Discussed: 05000219 Oyster Creek						
02/04/1999	1998012-01	Pri: ENG Sec:	Licensee	NCV	Pri: 4C Sec: 5A Ter: 5C	EQ DOCUMENTATION OF FOUR MOV ACTUATORS. Engineering failed to properly update EQ files for four MOV actuators. The deficiency and planned corrective actions were appropriately documented and tracked by CAP 1999-069 and CAP 1999-069-01.
Dockets Discussed: 05000219 Oyster Creek						
02/04/1999	1998012-02	Pri: ENG Sec:	Licensee	URI	Pri: 5A Sec: 4A Ter:	ENVIRONMENTAL QUALIFICATION The inspectors reviewed a list of EQ Assessment team findings/questions. The inspector identified four issues in the list that had the potential to become significant concerns if adequate responses/resolutions were provided. This item was unresolved pending NRC review of the licensee's resolutions of the four issues: 1. No realistic flood calculations for the corner rooms; 2. No analysis of high energy line break (HELB) at 95 feet elevation; 3. A number of EQ files had inappropriate steps in aging calculations (e.g., first LOCA peak, and energized mode); and 4. Relevant EQ related maintenance requirements were not identified in the EQ files (e.g., Patel connectors, and Rosemount transmitters).
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01/17/1999	1998011	Pri: ENG Sec:	NRC	NEG	Pri: 4A Sec: 4C Ter:	DIESEL GENERATOR TEMPORARY MODIFICATION EVALUATION Engineering did not thoroughly evaluate a temporary modification used to monitor emergency diesel generator performance resulting in a potential to adversely affect operability.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 3A Ter: 3B	CORE SPRAY SYSTEM HEALTH The core spray system engineer demonstrated outstanding system ownership as he remained current on the status of his system and demonstrated exceptional knowledge of his system's design basis requirements.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 3A Ter: 2A	TURBINE ELECTRICAL PRESSURE REGULATOR (EPR) MALFUNCTION Turbine control engineers provided good support to operations in ensuring a controlled recovery from an improperly engaged EPR linkage.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	MAINTENANCE RULE IMPLEMENTATION Maintenance Rule Expert Panel members demonstrated a questioning attitude and provided good feedback aimed at improving the quality of (a)(1) evaluations.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5A Ter: 4C	MAINTENANCE RULE SELF-ASSESSMENT Engineering fully supported a good independent self-assessment concerning their Maintenance Rule Program implementation and took prompt action to address identified deficiencies.
Dockets Discussed: 05000219 Oyster Creek						
01/17/1999	1998011	Pri: ENG Sec:	Licensee	POS	Pri: 5A Sec: 4B Ter: 5C	WATER INVENTORY ANALYSIS The shift technical advisors effectively tracked and analyzed the plant's water inventory data and helped identify a steam leak in the condenser bay.
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01/02/2000	1999009	Pri: PLTSUP Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Performance Review of Radiation Protection Practices and Procedures While contaminated area controls in the turbine building, reactor building, and yard area were generally acceptable, controls in the old radwaste building were generally lacking. In addition, there appeared to be a lack of upkeep in the old radwaste building.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: PLTSUP Sec:	NRC	NEG	Pri: 3A Sec: 2B Ter:	Radiation Protection Performance During an Emergent Condenser Bay Leak Repair Poor radiation work practices, specifically less than thorough planning and communications, led to increased radiation exposures during an emergent work activity. During a leak repair, the radiological conditions at the work location were significantly different than those specified on the radiation work permit survey used to plan the job. As a result of this mis-communication unnecessary radiation surveys were performed in the condenser bay leading to an additional radiation dose of approximately 100 millirem to radiation technicians. No individual personnel exposure limits were exceeded.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: PLTSUP Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Review of Oyster Creek Quality Assurance in Radiation Protection Although the scope of Quality Assurance Services reviews of the health physics program evaluated all major functional areas, a lack of review depth was apparent.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Performance Review of Radiation Protection Practices and Procedures As of December 10, 1999, the licensee was within its annual exposure goal and, based on remaining work in 1999, was expected to meet its goal.
Dockets Discussed: 05000219 Oyster Creek						
01/02/2000	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: Ter:	Performance Review of Radiation Protection Practices and Procedures Calibration records for area monitors were appropriately maintained and retrievable, and demonstrated acceptable calibration practices. Three monitors, listed in the Updated Final Safety Analysis Report (UFSAR), were no longer in service, and an action to modify the UFSAR is being prepared.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	General Observations Dosimetry records, both year-to-date and lifetime, were appropriately documented and maintained. An effective program for calibration of the whole body counters was implemented.
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11/07/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 2B Ter:	General Observations Calibration of radiological instrumentation was appropriately conducted and documented. Sources used in the radiological instrument calibration program were properly utilized and traceable.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	General Observations Postings and controls for high and locked high radiation areas were appropriate. Use of informational postings aided in maintaining occupational exposures as low as is reasonably achievable.
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11/07/1999	1999008-01	Pri: PLTSUP Sec:	NRC	NCV	Pri: 3A Sec: 4A Ter:	Disposal of Dredge Spoils at Finninger Farm GPUN failed to obtain approval, in accordance with 10 CFR 20.2002, for a procedure to dispose of trace concentrations of licensed material on property owned by General Public Utilities Corporation, but not previously analyzed for the disposition of such materials. This is a violation of 10 CFR 20, Subpart K, 20.2001, "General Requirements," which requires the licensee to obtain approval for the disposal procedure in accordance with 10 CFR 20.2002, "Method for obtaining approval of proposed disposal procedures." This Severity Level IV violation is being treated as a Non-cited Violation, consistent with Section VII.B.1.a of the NRC Enforcement Policy. This matter is in the licensee's corrective action program as CAP 1999-1405.
Dockets Discussed: 05000219 Oyster Creek						
11/07/1999	1999008-02	Pri: PLTSUP Sec:	Licensee	NCV	Pri: 1C Sec: 5A Ter:	Vehicular Control in the Protected Area A security patrol demonstrated attention to detail when a maintenance technician left a running vehicle unattended in the protected area. The driver's failure to properly secure the vehicle in accordance with OSEC-IMP-1530.06, Inspection and Search of Personnel, Vehicles, Packages and Materials, is a violation of License Condition 2.C(4), which requires that the licensee fully implement and maintain in effect all provisions of the Commission-approved physical security plan. The NRC-approved Oyster Creek Nuclear Generating Station Physical Security Plan specifies inspection and search of vehicles, etc. in procedure OSEC-IMP-1530.06, Inspection and Search of Personnel, Vehicles, Packages and Materials. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Section VII.B.1.a of the NRC Enforcement Policy. Security documented this issue in CAP 1999-1436.
Dockets Discussed: 05000219 Oyster Creek						
10/08/1999	1999006	Pri: PLTSUP Sec:	Licensee	NEG	Pri: 1C Sec: 3A Ter:	Technical Support Center One exercise weakness was identified. Due to a communications problem in the technical support center, important information was not relayed to a key decision maker. As a result, mitigation actions to isolate a simulated loss of coolant accident were delayed for approximately two hours. This delay was an undesired response to the simulated event.
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10/08/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Overall Exercise Conclusions Based on the results of this inspection, it was determined that the overall performance of the ERO demonstrated, with reasonable assurance, that onsite emergency plans are adequate and that your organization is capable of implementing them. Simulated events for this exercise were diagnosed accurately, emergency declarations were timely and accurate, offsite agencies were notified in a timely manner and protective action recommendations were appropriate.
Dockets Discussed: 05000219 Oyster Creek						
10/08/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 5A Ter:	Licensee Exercise Critique The critique process was well implemented. Post-exercise facility debriefs were candid. At the formal critique, GPU staff identified a number of issues, in addition to those identified by the NRC. The most significant issues identified were prioritized for prompt corrective action. Overall, the critique was balanced with positive and negative findings and was appropriately self-critical.
Dockets Discussed: 05000219 Oyster Creek						
09/26/1999	1999007	Pri: PLTSUP Sec:	NRC	NEG	Pri: 3A Sec: 1A Ter:	High Contamination Area Awareness Radiological controls technicians did not effectively communicate changing radiological conditions in the shutdown cooling pump room to equipment operators.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: PLTSUP Sec:	Self	NEG	Pri: 1C Sec: 5B Ter:	Inoperable Roll-up Fire Door A weak roll-up fire door functional test procedure potentially masked the fire door's inoperability. Once identified, the fire protection coordinator initiated prompt and appropriate corrective actions for the degraded fire door.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: PLTSUP Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Inoperable Roll-up Fire Door Initially, plant personnel did not meet management's expectations for engaging the corrective action process to document a roll-up fire door abnormal condition.
Dockets Discussed: 05000219 Oyster Creek						
08/15/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Inoperable Roll-up Fire Door A fire protection technician demonstrated a questioning attitude to identify a condition that adversely affected a fire door's manual operation.
Dockets Discussed: 05000219 Oyster Creek						

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OYSTER CREEK

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/15/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	Security Awareness Plant personnel demonstrated security awareness by identifying potential anomalies within the plant. Security responded appropriately to address these conditions.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	NEG	Pri: 3A Sec: 3B Ter: 5A	Radcon Work Practices Two Nuclear Safety Assessment assessors did not demonstrate good radiological practices when encountering potential contaminated water leaking from a broken catch basin hose. An equipment operator did not show attention to detail to look for additional abnormal conditions while investigating the cause of an isolation condenser high level alarm.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3B Ter: 3C	Management Support and Staffing Management support was adequate to ensure effective implementation of the security program, as evidenced by adequate staffing levels and the allocation of resources to support programmatic needs
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3C Ter: 5C	Audits and Self-Assessments Audits of the security program were comprehensive in scope and depth, audit findings were reported to the appropriate level of management, and 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: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: 1C Ter: 1C	Assessment and Detection Aids Protected area assessment aids, protected area detection aids, and personnel search equipment were well maintained and able to meet the licensee's commitments and NRC requirements.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 1C Ter:	Access Control and Alarm Response Security personnel conducted 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: 05000219 Oyster Creek						

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07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 1C Ter:	Security Procedures and Event Logs Security and safeguards procedures and documentation were properly implemented. Event logs were properly maintained and effectively used to analyze, track, and resolve safeguards events.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3B Ter: 1C	Spent Fuel Pool Cleanup Radiological Controls Radiation protection conducted thorough pre-job planning, effectively controlled radiological conditions, and maintained radiation exposure ALARA for spent fuel pool cleanup activities.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: Ter:	Security Force Knowledge and Capabilities The security force members adequately demonstrated that they had the requisite knowledge necessary to effectively implement their duties and responsibilities.
Dockets Discussed: 05000219 Oyster Creek						
07/04/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: 3A Ter: 1C	Security Force Training Security force personnel were trained in accordance with the requirements of the Training and Qualification Plan. Training documentation was properly maintained and accurate. The training staff provided effective training.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 2B Ter:	Radioactive Waste Collection, Processing, and Shipping An effective program for the collection, processing and shipment of radioactive materials and radwaste has been established. Appropriate implementation of the programs for process control, manifesting, and shipment of materials and scaling factor determination has been established.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 2B Ter:	Hazmat Training An effective program for hazmat training has been established and implemented for all employees who may come in contact with these types of materials, in accordance with 49 CFR 172, Subpart H.
Dockets Discussed: 05000219 Oyster Creek						

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05/23/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 5A Ter: 5C	Radwaste and Transportation Program Quality Assurance Audits and surveillances of transportation and radwaste activities were appropriately conducted.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003-01	Pri: PLTSUP Sec:	NRC	IFI	Pri: 2A Sec: 1C Ter: 5A	Radioactive Waste Collection, Processing, and Shipping Status and condition of four tank cubicles within radwaste. Item remains open pending NRC review of radiological engineering's evaluation of the condition of these facilities.
Dockets Discussed: 05000219 Oyster Creek						
05/23/1999	1999003-02	Pri: PLTSUP Sec:	Licensee	NCV	Pri: 4C Sec: 5A Ter: 3A	Fire protection water deluge valve found out of position. Plant staff failure to ensure that the lower cable spreading room had full pressurized water deluge capability was a violation of Section 2.C of the facility operating license requirements. This Severity Level IV violation was treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. Operations documented this issue in CAP 1999-0391.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 2A Ter: 5C	Security Equipment and Corrective Actions Security maintenance technicians maintained the security equipment in a high state of readiness resulting in few equipment challenges to security force members. Security demonstrated improved active participation in the corrective action process.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Reactor Protection System Corrective Maintenance Site protection proactively implemented measures to control vital area access during maintenance a maintenance activity.
Dockets Discussed: 05000219 Oyster Creek						
04/11/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 5B Sec: Ter:	Fire Protection System Valve Out of Position Management responded promptly and appropriately to investigate the cause of a mis-positioned fire protection valve.
Dockets Discussed: 05000219 Oyster Creek						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/11/1999	1999002-02	Pri: PLTSUP Sec:	Licensee	EEL	Pri: 5A Sec: 4A Ter:	Fire protection system valve out of position On March 30, 1999, the GSS made a 24 hour NRC notification (EN 35532) reporting that a mis-positioned fire protection valve was a violation of the facility operating license requirements (section 2.C). This apparent violation will remain open pending NRC review of the cause of the non-compliance with fire protection program requirements. (EEI 50-219/99-02-02)
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiological Protection Controls An effective program for maintaining occupational exposures as low as is reasonably achievable (ALARA) has been established. Total site exposures, both during operating and outage periods has continued to decline.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter: 4B	Implementation of the Meteorological Program The meteorological monitoring program was effectively maintained and implemented in accordance with regulatory requirements. Instrumentation and Controls, together with the support of System Engineering, calibrated and maintained the meteorological monitoring instrumentation in accordance with the appropriate procedures. The licensee upgraded the meteorological computer software to be Year 2000 compliant.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3C Ter: 4C	Implementation of the Radiological Environmental Monitoring Program The licensee effectively performed sample collection activities according to the procedures and sample schedule, conducted the land use census, and maintained and calibrated the automatic sampling equipment. The licensee provided program oversight and met the reporting requirements in the Offsite Dose Calculation Manual. The radiological environmental monitoring program was effectively implemented in accordance with regulatory requirements.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3C Ter: 4C	Quality Assurance of Analytical Measurements The environmental and quality assurance laboratories conducted the Quality Assurance/Quality Control programs in accordance with the appropriate procedures. The licensee provided effective program oversight by monitoring the progress and quality of both the environmental and the quality assurance laboratories. The quality assurance program was effectively maintained and implemented in accordance with regulatory requirements.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 4C Ter:	Radiological Protection Controls The data base developed for identification of industrial and radiological hazards for decommissioning, was determined to be appropriate.
Dockets Discussed: 05000219 Oyster Creek						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter: 1C	Forked River Owner-Controlled Property Surveys The licensee performed thorough surveys of the Forked River owner-controlled property. The surveys were performed in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual methodology and approved soil sampling procedures. The licensee provided effective program oversight by monitoring the progress and quality of the environmental laboratory and the contractor personnel. The licensee conducted the surveys in an acceptable and reasonable manner to characterize selected owner-controlled property for unrestricted release.
Dockets Discussed: 05000219 Oyster Creek						
02/28/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 5C Sec: 1C Ter:	Quality Assurance in Radiation Protection Activities An effective program for the identification, tracking, trending and resolution of health physics issues has been established as evidenced by the quantity and quality of audits and self-assessments conducted. The corrective action process system has been effectively utilized to track to resolution identified deficiencies. Additional internal radiation protection data bases are utilized to track and trend other radiological parameters.
Dockets Discussed: 05000219 Oyster Creek						

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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.