

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/09/2000	1999008	Pri: OPS Sec:	NRC	NEG	Pri: 5B Sec: Ter:	Root Cause Determination Problems The licensees apparent and root cause determinations for several human error events overlooked significant contributors, especially procedure clarity and training. The root cause evaluator did not directly interview personnel involved in the events, which adversely affected the cause determinations. (Section O4.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: OPS Sec:	NRC	NEG	Pri: 5C Sec: Ter:	Briefing of Operators Operators were not briefed in a timely fashion on the results of relevant root and apparent cause evaluations. This contributed to a lack of acceptance of the cause and corrective actions for operational events.
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Rod Sequence Exchange Down-Power Maneuver The down-power maneuver to perform a rod sequence exchange was well controlled. Excellent three-way communication and good teamwork were displayed by operations and reactor engineering personnel. (Section O1.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Feedwater Heater String Loss Operators responded well to the loss of the "B" train, feedwater heater string by closely following the related abnormal operating procedure and lowering power to 70%. After maintenance workers identified and corrected the problem of a loose power supply to feedwater heater level controllers, operators returned the unit to full power with no problems. Good teamwork was noted between operations personnel, reactor engineers, engineering and maintenance department personnel. (Section O1.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: Ter:	Corporate Assessment of the Operations Department The Entergy Corporate assessment of the operations department was self critical and identified several areas for improvement. The issues identified were properly captured in the licensee's corrective action program.
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5C Sec: Ter:	Corrective Actions for Human Performance Issues Several broader and long-term corrective actions are in progress and being implemented to address human performance issues. Reactor and senior reactors were recently placed on the same shift hours to improve shift performance and to emphasize shift accountability. Improvements were made in the operations support group to improve the quality and consistency of apparent and root cause evaluations and to improve the quality of procedures.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/09/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5C Sec: 1A Ter:	Y2K Rollover There was no adverse impact to the plant due to the Y2K rollover. The licensee supplemented the normal operating shift by manning the technical support center, and tracked industry wide problems for possible applicability to Pilgrim. (Section O1.1)
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Good operator performance Good operator performance was observed during the oversight of dredging operations in the intake canal and also during the insertion of the feed water correction factor into the thermal limit calculation.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Quality Assurance Surveillance A quality assurance surveillance of the down power activities provided good assessment information on operations human performance. The licensee surveillance found some missed notifications to radiation protection and chemistry personnel during planned power changes.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3C Ter:	Changes were made to the operating shift schedule Changes were made to the operating shift schedule in an attempt to improve human performance. The senior reactor operators were changed from a 12 hour shift to an 8 hour shift to be consistent with the reactor operator shift.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Operations personnel performed well Operations personnel performed well during a planned down power to 50% core thermal power. Communications between operators and reactor engineering personnel were clear and crisp. The power maneuvering plan was detailed and closely followed by reactor operators.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	Operator Crew Performance Operator crew performance during the annual licensed operator requalification exam was satisfactory. Good teamwork and command and control were displayed during the simulator exam.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
12/09/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 1C Ter:	Simulated events were Diagnosed Accurately Simulated events were diagnosed accurately, emergency declarations were timely and accurate, offsite agencies were notified in a timely manner, protective action recommendations were appropriate, mitigation activities were properly coordinated and the dose assessment staff effectively implemented their procedures.
Dockets Discussed: 05000293 Pilgrim 1						
12/09/1999	1999010	Pri: OPS Sec:	Licensee	POS	Pri: 1C Sec: Ter:	Overall Performance of the Emergency Response Organization The overall performance of the emergency response organization demonstrated, with reasonable assurance, that onsite emergency plans are adequate and that the licensee is capable of implementing them.
Dockets Discussed: 05000293 Pilgrim 1						
12/09/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: Ter:	The Licensee Identified Issues At the critique, the licensee identified issues, in addition to those identified by the NRC. The most significant issues are under consideration for entry into the corrective action program. Overall, the critique was balanced with positive and negative findings and was appropriately self-critical.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	Licensee	NEG	Pri: 1C Sec: 3B Ter:	Unsatisfactory Crew and Individual Performance The licensee identified an unsatisfactory crew and individual performance during the simulator exam. The operating crew in the previous exam week evaluated as unsatisfactory in the simulator. In all cases of unsatisfactory performance, the crews and individuals were remediated and retested satisfactorily before resuming license duties. The inspectors noted that some of the individuals involved with unsatisfactory performance in the simulator during the exams were also involved in recent plant events resulting from operator performance problems.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Conservative decision making Conservative decision making was demonstrated by the licensee in the decision to delay the reactor startup due to concerns with potential hurrican damage. Due to other plant equipment issues, the storm did not interfere with the planned startup.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Operators took prompt and conservative action Operators took prompt and conservative action to scram the reactor due to a continuous lowering trend in condenser vacuum. Plant conditions were stabilized without any complications. The post scram review was a good effort to identify and correct problems prior to restart.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Training Feedback process The training feedback process was found to be effective in capturing operator concerns and providing timely resolution.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Licensee personnel were found to be meeting 3 CFR requirements Licensee personnel were found to be meeting the requirements of: 10 CFR 55.53 for conditions of operator licenses; 10 CFR 55.21 for medical examinations of operators; and 10 CFR 55.49 for licensed operator exam integrity.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Remedial Training Records The remedial training records were well organized and indicated that individual and crew remediation was appropriate. Training attendance records were well organized and indicated that missed training was made up for in a timely manner.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Pilgrim Licensed Operator Requalification Training program The Pilgrim licensed operator requalification training (LORT) program met the regulatory requirements of 10 CFR 55.59 based on this sampling review. Exam content was determined to be discriminating, incorporated risk insights, and was consistent with the Systems Approach to Training based program requirements. Exam overlap was acceptable. Licensee evaluations of crew and individual performance during the exam were found to be objective and thorough.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006-02	Pri: OPS Sec:	NRC	NCV	Pri: 1A Sec: Ter:	Human Performance Errors (LER 99-10) A few operator human performance errors complicated the reactor startup. These included: the failure to place the high pressure coolant injection (HPCI) and reactor core isolation cooling (RCIC) systems in service prior to reaching 150 psig, an automatic group V isolation signal when placing the RCIC system in service due to an inadvertent high steam flow signal and tripping of the main turbine due to a loss of condenser vacuum when vapor valves to the water box were inadvertently left opened.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: OPS Sec:	NRC	NEG	Pri: 5A Sec: 1A Ter:	Operators Missed an Opportunity to Notify Engineering to Investigate moisture separator drain tank high level Operators missed an opportunity to notify engineering to investigate and resolve the moisture separator drain tank high level alarm and correct the condition prior to the reactor scram
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
09/05/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Proper command-and-control Procedure Usage Operators responded effectively by using proper command-and-control and procedure usage in response to a turbine trip and resultant automatic reactor scram.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 2A Ter:	Post Trip Review The post trip review completed by operation support personnel focused on proper equipment and system response. Plant equipment operated as expected.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: Sec: Ter:	Operator Performance for starting of a reactor recirculation pump at low power was very good The pre-evolution briefing and operator performance for starting of a reactor recirculation pump at low power was very good. All personnel involved were trained on the evolution using the simulator prior to the starting of the recirculation pump.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	The pre-evolution briefing and operator performance for starting reactor recirculation pump was very good The pre-evolution briefing and operator performance for starting of a reactor recirculation pump at low power was very good. All personnel involved were trained on the evolution using the simulator prior to the starting of the recirculation pump.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Operator performance during reactor startup and power ascension activities was good. Overall, operator performance during reactor startup and power ascension activities was good. Operators responded effectively to two reactor vessel level transients; prompt response averted a plant transient or reactor scram when the feedwater regulating valve failed open.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004-01	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: Ter:	Operator Procedure Use Error The failure of the reactor operators to verify plant conditions while placing the residual heat removal system in the low pressure coolant injection mode of operation resulted in a reduction of ten inches is reactor vessel level.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/09/1999	1999003	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 3C Ter:	Tagging errors Several tagging errors resulted due to license operator errors both while hanging and verifying checking tags. These errors occurred early in RFO12 during the highest demand period for work release indicating that management involvement was lacking in the oversight and scheduling of tagouts. Interim corrective actions were implemented to improve future tagging performance.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Shift Turnover Briefings Shift turnover briefings lead by the off going nuclear watch engineer were detailed and included a good discussion on equipment availability and shutdown risk.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 1C Ter:	Reactor Fuel Movements Reactor fuel movements were performed in a controlled manner with effective communications between contract fuel handlers, reactor engineers, control room operators and the SRO stationed on the refueling bridge.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	Operators stopped fuel movements when necessary to resolve degraded conditions Operators stopped fuel movements when necessary to resolve degraded conditions such as poor reactor water quality and also when a source range monitor started to read erratically. This reflected a conservative nuclear safety approach by operations personnel.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter: 5A	New Camera Angle during core verification A new camera angle during core verification revealed a fuel support piece which was not fully seated. Also, a cap screw was removed from a control rod drive which had jammed the rod during the previous operating cycle. Good FME practices were observed during refueling activities. Refueling activities were conducted in a controlled manner with overall good performance.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	Training provided to licensed operators was determined to be good Training provided to licensed operators on modifications implemented during the cycle 12 refueling outage was determined to be good. Simulator and job performance measures were used, as necessary, to ensure operators could properly operate the equipment and that they understood the modifications.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/18/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 5A Ter:	Operator identified several equipment problems The nuclear plant operator identified several equipment problems during a tour of the reactor building; and appeared to be very knowledgeable and experienced.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 5A Ter: 2A	Operators promptly declared main steam isolation valve AO-220-2C inoperable Operators promptly declared main steam isolation valve AO-220-2C inoperable due to a slow close test failure and followed technical specifications and other administrative requirements. Subsequently, operators responded well to a small power excursion when operating at 85% reactor power with one steam line isolated.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002-02	Pri: OPS Sec:	NRC	NCV	Pri: 1A Sec: Ter:	Operators incorrectly moved several control rods Operators incorrectly moved several control rods during a planned down power due to inattention-to-detail and poor communication. The licensee's immediate corrective actions to address this issue were determined to be good.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: Ter:	Operational event had the potential to involve security tampering issues. The operations staff did not promptly inform the security staff or senior site management for an operational event which had the potential to involve security tampering issues. Subsequent licensee and NRC review determined that the event did not involve tampering.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Operators completed operational activities Operators completed operational activities well including a scheduled plant down power to perform control rod scram time testing. Good communication and procedure adherence was observed. The pre-evolutionary brief for this evolution was comprehensive which covered actions for a feed water malfunction. Members of the quality assurance staff were observed in the control room providing independent oversight.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Nuclear watch engineer shift turnovers were generally good. Nuclear watch engineer (NWE) shift turnovers were generally good. In addition to reviewing current plant conditions, the NWEs discussed changes in plant status since the crew's last watch as well as scheduled plant activities.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/07/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 5A Ter: 5B	Operators alertly identified that sample valves were left open out of the normally closed position in the SWC : Operators alertly identified that sample valves were left open out of the normally closed position in the SWC system. The root cause evaluation thoroughly reviewed the human performance aspects of this event.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Nuclear Safety Review and Audit Committee effectively performed review and audit of station activities. The inspector concluded that the Nuclear Safety Review and Audit Committee effectively performed review and audit of station activities and met TS requirements.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	Operators were knowledgeable of the recently implemented diesel TS Operators were knowledgeable of the recently implemented diesel TS due to effective training and management oversight.
Dockets Discussed: 05000293 Pilgrim 1						
01/24/1999	1998011	Pri: OPS Sec:	NRC	NEG	Pri: 2B Sec: Ter:	A weakness in the cold weather program A weakness in the cold weather program was evident when temperatures in the intake structure went below an UFSAR specified design value of 60 degrees Fahrenheit.
Dockets Discussed: 05000293 Pilgrim 1						
01/24/1999	1998011	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: Ter:	Minor weaknesses in the identification and initiation of correction action Two instances of minor weaknesses in the identification and initiation of corrective action for degraded equipment conditions in the control room were identified by the NRC. Also, two minor instances were noted where relevant operational information was not recorded in the NOS log or daily morning report. These conditions reflect lapses in operator awareness.
Dockets Discussed: 05000293 Pilgrim 1						
01/24/1999	1998011	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: Ter:	High pressure coolant injection system The high pressure coolant injection system was properly configured to support system operability. No operability concerns were identified during the walkdown of the system.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/24/1999	1998011	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: Ter:	Operators completed operation activities well Operators completed operational activities well including the recording and evaluation of technical specification readings. Members of plant management were periodically observed touring the control room and plant areas.
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Corrective Maintenance Backlog Review A review of the corrective maintenance backlog revealed that the backlog was within the licensee's upper control band. Further, the Maintenance Manager established a goal to reduce the backlog from 390 to 200 by the end of 2000.
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5A Ter:	Overall Plant Material Condition The overall plant material condition was good. Degraded plant equipment conditions were identified timely and appropriately entered into the work control system for correction. (Section M2.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Maintenance and Surveillance Procedure Adherence Good procedure adherence and self-checking techniques were displayed during observed maintenance and surveillance activities. The activities observed and reviewed were performed safely and in accordance with approved procedures. (Section M1.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	EXTENSIVE Emergency Diesel Generator (EDG) Modifications A planned outage to make extensive modifications to increase the margin of the cooling capacity of the "A" emergency diesel generator (EDG) went well. Maintenance workers showed good attention-to-detail and issues identified during the post work test were properly resolved. (Section M1.1)
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	Work Area for the Seal Replacement The work area for the seal replacement on the "C" feed pump was well lit with temporary lighting. Work benches and a dedicated parts storage area were erected to facilitate the work activity. The post-work test was successfully completed indicating good worker craftsmanship.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/28/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 5A Ter:	Material Condition of the Plant The material condition of the plant was good. Most of the identified equipment deficiencies had been identified by the licensee and were properly captured in their work request system.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Good pre-job Briefs and Procedure Adherence Good pre-job briefs and procedure adherence were displayed during maintenance and surveillance activities. The activities observed and reviewed were performed safely and in accordance with approved procedures.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Partially blocked salt service water system The partially blocked salt service water (SSW) system sensing line resulted from significant corrosion of the root valve disc which became separated from the valve stem. The replacement valve design had better corrosion resistance properties for salt water applications.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: 3A Ter:	A Degradation of Condenser Vacuum A degradation of condenser vacuum resulted from the failure of the augmented offgas (AOG) condenser level control system combined with an inadequate maintenance troubleshooting plan. Thus, the manual reactor scram was avoidable and resulted in part from human error during the maintenance troubleshooting process.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Good Pre-Job Briefs Good pre-job briefs and procedure adherence were displayed during maintenance and surveillance activities. Technicians demonstrated a good questioning attitude when questioning the intent of a procedural step, and upon identification of an induced voltage on an AOG flow switch.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Mechanics interacted very well with the system engineer and quality control personnel The mechanics interacted very well with the system engineer and quality control personnel at the job site. Mechanics were careful to ensure the sensing line tubing had a continuous downward slope to minimize the collection of air and debris. The repairs made to all four sensing lines during the unplanned shutdown improved the material condition of the SSW system.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
10/17/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3C Sec: 2B Ter:	Effective Supervisory Oversight Effective supervisory oversight was provided in the field for maintenance activities observed. Good foreign material exclusion controls were displayed during work on the EDG air compressor.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: 5C Ter:	Licensee was Slow to Correct a Degraded Condition While a subsequent evaluation found this condition to be acceptable, the NRC concluded that the licensee was slow to correct a degraded condition for a partially clogged, safety-related, salt service water system instrument line.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: MAINT Sec:	NRC	NEG	Pri: 5A Sec: 2A Ter:	Lower level equipment deficiencies Several lower level equipment deficiencies were identified by the NRC during plant tours which were either missed by the plant staff or not entered into the work control process for correction. These deficiencies represented a slight decline in problem identification of equipment deficiencies.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Equipment Unavailability Equipment unavailability was being tracked properly during maintenance and surveillance activities in accordance with the maintenance rule.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Licensee was properly implementing their procedural requirements A review of work activities scheduled for the week of August 22, 1999, revealed that the licensee was properly implementing their procedural requirements and considering the overall risk impact to the plant. Maintenance activities were properly managed to ensure the plant wasn't placed in a condition of significant risk. Proper controls were in place to assess risk associated with the removal of equipment from service during power operation.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Good Pre-Job Briefs Good pre-job briefs and procedure adherence were observed during maintenance and surveillance activities.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
09/05/1999	1999005-01	Pri: MAINT Sec:	NRC	IFI	Pri: Sec: Ter:	Degraded SSW Sensing Line the licensee attempted to repair the partially blocked SSW system sensing line but was unable to close the root valve and establish a work boundary. The licensee decided not to secure the "B" train SSW discharge header while the plant was in operation due to the increased risk significance of that plant configuration. At the end of this period, the licensee was evaluating other options such as the use of a freeze seal to isolate the degraded sensing line. The degraded sensing line will remain as an inspector follow item
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: Ter:	Degraded Bleeder Resistor The identification of a degraded bleeder resistor for the "A" recirculation pump was identified by an alert maintenance supervisor on tour.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2B Ter:	Good Pre-Job Briefs Good pre-job briefs and procedure adherence was displayed during maintenance and surveillance activities. Thorough planning through the use of just-in-time training resulted in the licensee establishing plant conditions that would lessen the severity of a feedwater transient during troubleshooting of the feedwater regulating valve. Good oversight was noted by the quality assurance staff during maintenance activities.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 5C Sec: 2B Ter:	Corrective Actions - NRC Maintenance Rule Team Inspection The corrective actions implemented in response to the NRC maintenance rule team inspection were good. Quality assurance performed a detailed audit in the maintenance rule area and identified opportunities for further improvement. This audit was considered a strength.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	NEG	Pri: 3A Sec: Ter:	Procedure usage problems Several procedure usage problems were identified by the licensee and the inspector. One problem dealt with the mispositioning of LPCI throttle valve MO-1001-28B during performance of the EDG load sequence test.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	NEG	Pri: 3B Sec: 3A Ter:	Failure to establish specific procedural guidance The failure to establish specific procedural guidance and human performance errors contributed to the cause of the transformer fire.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: Ter:	Deferred work items were properly tracked Deferred work items were properly tracked and dispositioned by the outage review board. No work items were removed from the outage scope that would adversely affect safe plant operations.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	New initiatives were used during the outage Several new initiatives were used during the outage including use of electronic logs which were accessible site wide, new reduced weight heavy-lifting slings, and a relocated outage work control center.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Post work testing Post work testing for observed maintenance activities was determined to be good and in accordance with code requirements.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5A Ter:	Implementing inservice inspection activities BEC Energy was implementing inservice inspection activities in accordance with their ISI program. NDE personnel were qualified, and adhered to procedures while performing examinations. Deficiencies identified during inspection activities were properly documented. HPCI system weld drawings accurately reflected the location of welds in the plant.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Disassembly and reassembly of the reactor vessel The disassembly and reassembly of the reactor vessel was performed well by the refueling crew. Good teamwork was noted between the craft and contract personnel.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Pre-job briefs for surveillance activities Pre-job briefs for surveillance activities were determined to be good with proper oversight provided by the test engineer and quality assurance personnel.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Emergent replacement The emergent replacement of the underground SSW discharge piping, replacement of the DC power panels and CRDM drive change-outs were well planned and executed.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 4B Sec: Ter:	Response to the main transformer fire by the fire brigade members Response to the main transformer fire by fire brigade members was good; their immediate response prevented any serious damage to the plant. The licensee properly classified the event in accordance with emergency classification guidelines.
Dockets Discussed: 05000293 Pilgrim 1						
06/15/1999	1999-003-00	Pri: MAINT Sec:	Licensee	LER	Pri: Sec: Ter:	Local leak rate test results exceeding allowable technical specification leakage rates (NCV 99-07-01)
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: MAINT Sec:	NRC	NEG	Pri: 3B Sec: Ter:	Two different maintenance work package quality issues (NCV 99-02-02) Two different maintenance work package quality issues resulted in wrong parts being sent to the job site for installation in safety related equipment. This was identified by maintenance field workers but reflected errors by planning personnel. In the first example, a work planner error resulted in sending a DC electrical relay coil instead of an AC relay. In the second example, a planner twice ordered the wrong top works for a hand operated valve in the EDG fuel oil transfer system.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: MAINT Sec:	NRC	NEG	Pri: 5B Sec: Ter:	Apparent cause evaluation for the wrong valve parts The apparent cause evaluation for the wrong valve parts did not fully evaluate all aspects of how the work planner ordered the wrong parts twice.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Good pre-job briefs and procedure adherence Overall good pre-job briefs and procedure adherence was displayed during routine maintenance and surveillance activities.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/18/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	Planned corrective maintenance Planned corrective maintenance to replace a fuel injector and high pressure tube on the station blackout (SBO) emergency diesel generator (EDG) was successfully completed by competent mechanics. Good attention to detail was evident by thorough cleaning of carbon residue where the injector seals insert inside the cylinder head.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: Ter:	Extensive planning was evident for RFO12 Extensive planning was evident for RFO12 with an emphasis on minimizing shutdown risk. Adequate administrative controls were in place to control in vessel activities such as repairing a stuck control rod drive and maintaining the reactor fuel offload rate within the capabilities of the decay heat removal systems.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: Ter:	Quality assurance prepared RFO12 inspection plan Quality assurance prepared an RFO12 inspection plan partly based on risk significance which included some nonsafety related systems.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 5A Sec: 2B Ter:	Control room deficiencies A review of control room deficiencies revealed that there was a general increasing trend during 1998. This resulted primarily from a lower problem reporting threshold and also due to I&C staffing issues. Work control group self assessments noted the increasing trend but did not contain detailed analysis of possible barriers to reducing the overall number of control room deficiencies.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter:	Maintenance troubleshooting identified that the most like cause involved calibration of the engine protector In response to an unplanned trip of an EDG, maintenance troubleshooting identified that the most likely cause involved calibration of the engine protector. The licensee interfaced well with the vendor and performed detailed troubleshooting of the trip setpoint in the I&C shop. Maintenance rule requirements regarding the diesel failure and unavailability were properly captured in the licensee's program.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	New fuel inspection training New fuel inspection training was good and covered all requirements contained in the fuel inspection procedure. The inspection of the fuel bundles was rigorous as demonstrated by the identification of some small foreign material. Good oversight was provided during the training and inspection activities.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/07/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Good pre-job briefs and procedure adherence was displayed during routine maintenance and surveillance ac Good pre-job briefs and procedure adherence was displayed during routine maintenance and surveillance activities.
Dockets Discussed: 05000293 Pilgrim 1						
01/24/1999	1998011	Pri: MAINT Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Licensee developed an alternate HPCI test method The licensee developed an alternate HPCI test method using a 1991 engineering evaluation but did not update the technical specifications to reflect the change. This item is unresolved pending further NRR review.
Dockets Discussed: 05000293 Pilgrim 1						
01/24/1999	1998011-01	Pri: MAINT Sec:	NRC	URI	Pri: 3A Sec: Ter:	HPCI Surveillance flow test The high pressure coolant injection system was properly configured to support system operability. No operability concerns were identified during the walkdown of the system. The licensee developed an alternate HPCI test method using an engineering evaluation but did not update the technical specifications to reflect the change. This item is unresolved pending further NRR review.
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Post-Work Tests for Maintenance Items Overall, the quality of post-work tests for maintenance items was determined to be good. However, the quality of those developed for engineering maintenance requests was less rigorous than those for corrective maintenance requests. Out of approximately 50 engineering maintenance requests issued in 1999, the retest for four were not fully developed. (Section E4.1)
Dockets Discussed: 05000293 Pilgrim 1						
01/09/2000	1999008	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: Ter:	Engineering Self-Assessment An engineering self-assessment was determined to be acceptable. The assessment noted recurring problems with the quality or thoroughness of engineering reviews. As of the end of this period, the evaluation was not commenced and had exceeded the scheduled end date without an extension. (Section E7.1)
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 5C Sec: Ter:	Corrective Actions Corrective actions developed for the August 1997 seaweed intrusion/dredging evolution were comprehensive and properly implemented. The safety evaluation for the dredging of the intake canal was of good quality.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
10/17/1999	1999006-03	Pri: ENG Sec:	NRC	NCV	Pri: 4B Sec: Ter:	Installation of the diesel cabinet cooling fan With one noted exception, the installation of the diesel cabinet cooling fan in the exciter regulator cubicle was implemented in accordance with NRC and licensee requirements. The NRC identified that the design change supporting the modification was not comprehensive in that the requirement for operationally testing the cooling fans during plant operation was not addressed.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 2A Ter:	Instrument drift and improper calibration of the moisture separator controllers The cause of the reactor scram was attributed to instrument drift and improper calibration of the moisture separator controllers. Contributing to this was a lack of integrated engineering analysis to support a modification that replaced the moisture separator drain and dump valves during the last refueling outage.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Water Hammer Event The water hammer event in the feed water system resulted from the combination of leakage through the long path recycle line and the new leak tight design of the new feed water system regulating valves. The licensee did not fully consider the possible impact of the degraded valve leakage with the installation of the new leak free feed water regulating valves.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Systems Engineering Personnel Systems engineering personnel increased the margin for the close stroke time of AO-220-45 by developing and installing a modification to allow quicker porting of the actuator air. The modification significantly reduced the stroke close time below the 10 second limit listed in the UFSAR.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	A Deficiency with the 2C MSIV Actuator Speed Control Valve A deficiency with the "2C" MSIV actuator speed control valve was thoroughly evaluated and corrected. The problem scope review identified corrective actions for three other MSIVs which were corrected prior to restart from RFO12. Also, good communication with the vendor and between licensee engineering and maintenance personnel was observed.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004-02	Pri: ENG Sec:	NRC	NCV	Pri: Sec: Ter:	Safety evaluation did not evaluate the degradation of the fire suppression system The inspector identified an EDG TMOD and related safety evaluation did not evaluate the degradation of the fire suppression system. This occurred due to inadequate communications within the engineering department as well as an improper field walk down. The failure to evaluate the impact of the TMOD on the fire sensor is considered a violation of NRC design requirements. This level 4 violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. This violation is in the licensee's corrective action program as PR 99.9405. (NCV 50-293/99-04-02)
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/09/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Two minor problems noted during the review of operability evaluation (OE) 98-052 Two minor problems were noted during the review of operability evaluation (OE) 98-052, "Excessive Head Loss in Reactor Building Closed Cooling Water Pump Startup Strainers." These included attention-to-detail problems pertaining to the procedures governing operability and engineering evaluations. Also, the preliminary engineering work supporting PDC 99-09, "Decrease of the EDG Building Low Temperature Design Limit," was not comprehensive. Structural considerations were not being reviewed regarding the 20 F EDG room design temperature decrease and the resultant impact on the piping stress analysis, the EDG silencer supports, and the compressed air receivers.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Open operability evaluations No safety concerns were noted concerning the open operability evaluations reviewed.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Process to control the OE backlog The licensee has a process in place to control the OE backlog and appears to be on track in reducing the number of open OEs, expecting to have 5-10 open OEs at the end of RFO 12.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: Ter:	The plant design changes were reviewed The plant design changes (PDC) reviewed clearly identified those controlled documents and training activities that were required to be updated prior to turnover of the component/system to operation. The PDCs were properly implemented in accordance with NRC and licensee requirements.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: Ter:	Operability evaluations (76) remain open A relatively large number (i.e., 76) of operability evaluations remain open. Also, the licensee has not yet established the process for written justification of operability evaluations which will not be resolved during the first opportunity in RFO12.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	Engineering backlog The engineering backlog was tracked by engineering management with established goals in place. The overall backlog has started to trend down slightly during the last quarter. Engineering self assessments determined that additional resources was needed in the form of 4 to 6 additional full time engineers.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/09/2000	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: Ter:	Contaminated Plant Area Reduction The licensee made progress in reducing the amount of contaminated plant areas such as the torus room. This is viewed as a positive step to assists personnel in their normal work activities.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: 1C Ter:	The Licensee Effectively Maintained and Implemented the Radiological Environmental Monitoring Program The licensee effectively maintained and implemented the Radiological Environmental Monitoring Program (REMP). The licensee collected, analyzed, and evaluated radiological data using appropriate procedures. The annual report contained an accurate assessment of the data and a comprehensive summary of the REMF. The licensee implemented an effective program to validate the quality of the analytical results. The REMF was capable of ensuring independent validation of the integrity of the effluent release program.
Dockets Discussed: 05000293 Pilgrim 1						
11/28/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: Ter:	The Calibration Program for the Meteorological Monitoring Program The calibration program for the meteorological monitoring program was adequate. The meteorological monitoring instrumentation was effectively maintained and calibrated in accordance with Regulatory Guide 1.23 and the calibration procedure.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: Ter:	Effective radioactive liquid and gaseous effluen control programs The licensee maintained effective radioactive liquid and gaseous effluent control programs. The offsite dose calculation manual (ODCM) contained sufficient specification and instruction to acceptably implement and maintain the radioactive liquid and gaseous effluent control programs.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: Ter:	Effective primary coolant chemistry program The licensee maintained an effective primary coolant chemistry program, and established and implemented meaningful and productive measures to verify and validate the quality of the program.
Dockets Discussed: 05000293 Pilgrim 1						
10/17/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Quality assurance surveillance audit program The licensee quality assurance surveillance audit program for effluent control was effectively implemented. The licensee's quality control program for the radioactive liquid and gaseous effluent control to validate analytical results was effective.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
09/05/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5C Sec: Ter:	Licensee's corrective actions The licensee's corrective actions to address the inadequate diesel fuel supply were adequate. Dedicated equipment is available to transfer fuel from the station blackout diesel to the emergency diesel generator storage tanks and procedural guidance is available to allow calculation of fuel consumption at various diesel loads.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5C Sec: 4C Ter:	Licensee addressed significant issues The follow-up inspection of the open items resulting from the NRC Architect Engineer team inspection 50-293/98-203 revealed that the licensee had addressed the significant issues. Fourteen of eighteen open items were closed because appropriate corrective actions were performed or scheduled.
Dockets Discussed: 05000293 Pilgrim 1						
09/05/1999	1999005-02	Pri: PLTSUP Sec:	NRC	NCV	Pri: 3A Sec: Ter:	Boundary/posting of a high radiation area The NRC identified a problem with the boundary/posting of a high radiation area near the west scram discharge instrument volume. This most likely resulted from human error by not re-establishing the boundary properly when exiting the area. The interim corrective actions were judged to be good to prevent recurrence in the short term.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: PLTSUP Sec:	Licensee	NEG	Pri: 1A Sec: 5B Ter:	Dose Rates The dose rates in the RHR quadrants increased after the refueling outage to levels established prior to the chemical decontamination effort performed in the fall of 1998.
Dockets Discussed: 05000293 Pilgrim 1						
07/25/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: 5C Ter:	Security Assessment Aids Security assessment aids were operating properly in surveying the site grounds.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Licensee's audit program for security and safeguard activities The review of the licensee's audit program for security and safeguards activities indicated that audits were 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 documentation applicable to the self-assessment program indicated that the program was being effectively implemented to identify and resolve potential weaknesses.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/09/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Security and safeguards activities The licensee was conducting security and safeguards activities in a manner that protected health and safety in the area of access authorization and fitness for duty.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 1A Ter:	Radiological controls were effectively implemented for RFO12 Radiological controls were effectively implemented for RFO12 as evidenced by close health physics oversight of work and improvements in radiological controls implemented for drywell work including assignment of a drywell radiological controls coordinator, installation of permanent shielding, and use of video monitoring.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Problem Reporting system The problem reporting system was effectively used to identify, evaluate, and resolve radiological control deficiencies.
Dockets Discussed: 05000293 Pilgrim 1						
06/09/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	An opportunity to improve radiological controls was identified An opportunity for improving radiological controls for access to upper drywell elevations during movement of irradiated core components was identified and licensee staff responded quickly to improve program controls.
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: PLTSUP Sec:	NRC	NEG	Pri: 1A Sec: Ter:	Security measures for personnel access Security measures for personnel access and security measures for temporary structures were properly being implemented
Dockets Discussed: 05000293 Pilgrim 1						
04/18/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1A Sec: Ter:	Licensee's radiological controls for routine activities were properly being implemented Through observation of ongoing activities, the inspector concluded that the licensee's radiological controls for routine activities were properly being implemented.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Limited radiological site characterization performed A limited radiological site characterization performed in February 1999 showed that significant amounts of radioactive contamination were not present in onsite surface soils and appropriate records of spills and other unusual occurrences involving the spread of contamination were maintained in accordance with 10 CFR 50.75 (g).
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and safeguards activities were performed Security and safeguards activities were performed in a manner that protected public health and safety in the areas of alarm stations, communications, and protected area access control of personnel, packages and vehicles. This portion of the program, as implemented, met the licensee's commitments and NRC requirements.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and safeguards procedures 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
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: Ter:	Security facilities and equipment Security facilities and equipment in the areas of protected area assessment aids, protected area detection aids, and personnel search equipment were well maintained and reliable, and met the licensee's commitments and NRC requirements.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Radiological planning for refuel outage 12 Radiological planning for refuel outage (RFO) 12 was properly focused on minimizing radiation exposure associated with drywell work where as much as 220 person-rem or 71% of RFO12 dose is expected to be received. The use of expanded dose goals to increase personnel awareness and encourage dose minimization, installation of additional permanent shielding, and assignment of a drywell manager to improve work coordination and reduce time in the drywell through efficiency improvements were positive initiatives.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Management support was adequate 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: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

PILGRIM

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: Ter:	Security force members demonstrated knowledge The security force members (SFMs) adequately demonstrated that they had the requisite knowledge necessary to implement the duties and responsibilities associated with their position.
Dockets Discussed: 05000293 Pilgrim 1						
03/07/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: Ter:	Training was conducted in accordance with the T&Q plan Training was conducted in accordance with the T&Q plan, and based upon interviews and inspector observations was considered effective.
Dockets Discussed: 05000293 Pilgrim 1						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

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.