

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/08/2000	1999011-01	Pri: OPS Sec: MAINT	NRC	NCV	Pri: 1A Sec: 2B Ter: 3A	Control Room Operators Were Slow to Recognize and to Enter Technical Specification Action Statement Control room operators were slow to recognize and to enter Technical Specification action statement 3.3.10.A for an inoperable post-accident monitoring equipment indication channel. BGE did not control the scope of maintenance on RVLMS Channel "A" in accordance with station procedures. This violation of NRC requirements was non-cited. Ineffective inter-departmental communications and weak oversight by maintenance supervision and operations personnel contributed to these problems. (M1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1						
11/20/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Operations staff effectively supported maintenance on the U25000-11 transformer. BGE operations effectively supported maintenance on the U25000-11 main transformer by changing reactor power levels and setting plant conditions in a timely manner. (O1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
11/20/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Licensed operator requalification training program met regulatory requirements, no weaknesses. The Licensed Operator Requalification Training program met regulatory requirements with no significant weaknesses identified. Selected industry events which were applicable to Calvert Cliffs operators were properly incorporated into the training. The evaluations of the simulator scenarios and job performance measures by the training staff were objective and thorough. The feedback process as part of the systems approach to training program was found to be effective. (O1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
11/20/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 3A Sec: Ter:	Non-licensed operator performance was good. The performance of the non-licensed plant operators during rounds was thorough with the appropriate focus on safety, equipment status, and observation of plant conditions. Communications between plant operators and the control room was formal and complete. (O1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007	Pri: OPS Sec: MAINT	NRC	POS	Pri: 1A Sec: 3A Ter:	BGE appropriately responded to the tropical storm weather associated with Hurricane Floyd. BGE effectively prepared for the tropical storm weather associated with Hurricane Floyd by augmenting plant staff and delaying planned maintenance. Safety systems remained operable during the storm. Following the storm, BGE promptly initiated a number of departmental self assessments to verify the adequacy of the site severe weather response plans and to gather the lessons learned. (O1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007	Pri: OPS Sec: MAINT	NRC	POS	Pri: 1B Sec: Ter:	Unit 1 manual shutdown in anticipation of auto S/G trip following loss of feedwater (9/22/99). Unit 1 was manually shutdown in anticipation of an automatic low steam generator level trip signal following a loss of main feedwater on September 22, 1999. The plant was effectively stabilized in hot standby in a timely manner. BGE determined that the proximate cause for the event was human error during preparations for maintenance on non-vital switchgear that powered main feed pump support systems. Appropriate interim corrective actions were implemented pending the completion of the final root cause determination by the Significant Issues Findings Team. The reactor was returned to full power operation without complication. (O1.2) Reference LER 05000317/1999-006, closed in IR 99-11, section M8.1
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/14/1999	1999006	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: 3A Ter:	Numerous individuals at the controls unnecessarily. During the reactor startup, in addition to the four assigned operators, the inspector observed a number of unnecessary individuals, including three trainees and an engineer in the Operator-at-the-Controls area during a feedwater malfunction and transient. Although there were no actual consequences, the large number of individuals in the vicinity of the controls was considered a performance deficiency where clear communication between the operators and supervisory oversight of the reactor could have been challenged. BGE took action to minimize the number of individuals allowed to enter the control area.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
07/24/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 3A Ter:	PLANT SYSTEMS AND OPERATORS RESPONDED APPROPRIATELY TO REACTOR SCRAM INVOLVING TRANSF Unit 1 automatically shutdown following the failure of a main output transformer during harsh weather. Plant systems and operators responded appropriately and the reactor was quickly stabilized in hot shutdown. Following transformer repair and testing, the unit was re-started and the electrical system returned to full power without complications.
Dockets Discussed: 05000317 Calvert Cliffs 1						
06/26/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Good operator performance observed. The observed performance of the turbine building, auxiliary building, and outside operators was professional and thorough with the appropriate attention to detail, focus on safety, knowledge of equipment status, and observation of plant conditions. Communications between the operators and the control room were clear and concise. (O1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Good performance by Unit 2 during core offload and refueling. The core offload and refueling of Unit 2 were done adequately. The inspectors observed good communications and extensive engineering support. A number of material deficiencies with fuel handling equipment were identified prior to and during fuel handling. Many of the problems were corrected prior to fuel movement; however, some problems persisted and required operator workaround. BGE had initiated a long term project to upgrade fuel handling control systems. (O1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003-01	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: Ter:	Failure to follow safety tagging procedure to ensure that tagouts were appropriate for plant conditions BGE identified that a safety tagout had been hung which potentially degraded the cooling water availability for the 1B emergency diesel generator and other safety components. An engineering evaluation completed after discovery of the problem showed that affected safety equipment remained operable in part, because of the low temperature of the Chesapeake Bay while the tagout was in effect. When the problem was found, BGE took corrective action. The issue was a non-cited violation. (O1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003-03	Pri: OPS Sec: MAINT	NRC	NCV	Pri: 1C Sec: Ter:	Failure to report a condition prohibited by the technical specifications and outside the design basis within 30 The inspectors determined that the vendor's failure analysis was received by BGE in June 1998, but the event was not reported to the NRC until January 1999. The inspectors identified that approximately six months had elapsed since BGE became aware that the 1B EDG had been inoperable between its successful operation on December 10, 1997 and the December 22, 1997 failure to start. This 10 CFR 50.73 reporting violation was neither willful nor repetitive and restoration of compliance was not applicable. This Severity Level IV violation was treated as a Non-Cited Violation consistent with Appendix C of the NRC Enforcement Policy.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

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03/20/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 3A Ter:	Outage shutdown and operations. BGE prepared for and performed a reactor shutdown and cooldown in an effective manner. The reactor was then taken to a reduced inventory condition for nozzle dam installation, again in an error free manner. Time in reduced inventory was minimized and required safety systems remained available while the reactor plant water level was reduced.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001-01	Pri: OPS Sec:	Licensee	NCV	Pri: 5A Sec: 3A Ter: 1A	Failure of operators to complete technical specification surveillance for low pressure protection BGE identified that plant operators had missed a technical specification surveillance check on a low pressure protection channel. BGE entered the issue in their corrective action program and took appropriate corrective actions.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 5C Ter:	Operator Workarounds An inspector review of operator workarounds found that each issue was scheduled to be resolved within a reasonable time period and there was no significant or cumulative affect on the quality of normal or emergency operations from the issues.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012-07	Pri: OPS Sec: PLTSUP	Licensee	NCV	Pri: 2B Sec: Ter:	Failure to promptly report a missed technical specification action - Missed fire watch A reporting decision was made incorrectly by a contractor supervisor when a fire watch was conducted twenty minutes after the technical specification allowed time. The problem was identified by BGE during an annual fire protection audit. (F8.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	NEG	Pri: 2B Sec: Ter:	Quality of initial exam submittal acceptable, but exam development problems id'd. Overall quality of the initial submittal was acceptable. Exam development problems were noted particularly on the walk-through tests reflecting a weak attention to detail by the facility.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: Ter:	High quality written exam. The written examinations as originally submitted to the NRC were of high quality. Only three of 129 questions were changed and revisions were made to several question stems and distractors to increase question discriminatory validity, to enhance question clarification or to make distractors more plausible.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: Ter:	Simulator scenarios of high quality. The proposed simulator scenarios were of high quality. Very few changes were made to the scenarios as a result of the NRC review. One change that was necessary was to include an instrument failure that required meaningful and/or significant operator actions.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: Ter:	JPMs appropriate. The walkthrough consisted of appropriate JPMs as test instruments. However, changes were made to several of the JPM follow up questions to provide more discrimination between the RO and SRO exams and to increase the number of open book questions. One JPM was replaced. Also, as a result of administration, there were quality control type problems evident with the walkthrough. For example: the prepared answers to some of the JPM questions were incorrect; completed procedures and other data supplied to the applicants was not always correct; some questions relied on Unit 2 data which was not available in the simulator; and the initiating cue for one JPM was incorrect.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 2B Sec: Ter:	Operator license training being properly conducted. Operator license training and eligibility is being conducted in accordance with NRC Regulatory Guide (RG) 1.8, "Qualification and Training of Personnel for Nuclear Power Plants," Rev. 2, and ES 202 of NUREG 1021, "Operator Licensing Examination Standards for Power Reactors," Interim Rev. 8.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: 2B Ter:	Five ROs and five SRO instants and one SRO upgrade passed Five reactor operator (RO), five senior reactor operator instant (SROI) and one senior reactor operator upgrade (SROU) applicants were administered initial licensing exams. All applicants successfully passed all portions of the examinations.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
02/12/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: 2B Ter:	Good candidate performance during operating portions of exam. The applicants, with few exceptions, performed well on the operating portions of the exam. A number of positive observations were made in the following areas during the dynamic simulator portion of the exam: communication skills; SRO applicant control of plant operations; timely crew briefings; self checking practices; and peer checking practices during activities involving significant plant changes.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/19/1999	1998011	Pri: OPS Sec: MAINT	NRC	NEG	Pri: 1A Sec: Ter:	Several instances of poor housekeeping. In a number of isolated instances, the inspectors identified plant cleanliness concerns. When informed, BGE took action to clean the areas of concern.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

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11/20/1999	1999009	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Good maintenance staff performance during the period. During maintenance activities, the inspectors observed that technicians were experienced and knowledgeable of their assigned maintenance responsibilities. The observed maintenance personnel practiced self checking and peer checking techniques in performance of their activities. Spent fuel pool underwater maintenance by contracted diving specialists was properly controlled and managed by BGE. (M1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
11/20/1999	1999009	Pri: MAINT Sec: ENG	NRC	POS	Pri: 4B Sec: 2B Ter: 3A	Surveillance testing appropriately performed, staff response to an EDG problem prompt. Surveillance testing was thorough and demonstrated system and component operability. The inspectors observed that minor discrepancies noted during the tests were properly entered into the BGE corrective action system. BGE maintenance and engineering personnel responded appropriately to a problem with the 2A emergency diesel, providing prompt corrective actions for a crankcase pressure indication deficiency. (M1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: Ter:	1A EDG failed monthly surveillance test due to a failed component. The 1A emergency diesel generator (EDG) failed its monthly surveillance test when a failed component in the governor electronic control system caused erratic speed control after the engine started. Although this event was considered a maintenance rule functional failure, the threshold for placing the 1A EDG in (a)1 status was not met. (M1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	Containment radiation signal logic module failure appropriately dispositioned. The containment radiation signal (CRS) B train logic module failed. BGE performed a risk assessment and determined that replacing the logic module while at power would increase plant risk to approximately 15 times normal. Since the CRS is not required while the plant is at power, BGE deferred the performance of the work to a shutdown period. This was an excellent example of the use of individual plant examination results to assess and manage risk, and avoid placing the plant in a risk significant configuration. (M1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007-01	Pri: MAINT Sec:	NRC	NCV	Pri: 2B Sec: 3A Ter:	Procedure Non-Compliance Associated with Compression Fitting Maintenance on AFW Flow Control Valve to Maintenance and quality verification personnel failed to follow procedures that require all work instructions to be included in the work package and used at the work site during compression fitting maintenance. This failure to follow station procedures was treated as a non-cited violation. The safety related compression fitting maintenance on the 12 steam generator auxiliary feedwater flow control valve positioner was performed successfully and the valve returned to its standby configuration. (M1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006-01	Pri: MAINT Sec:	NRC	NCV	Pri: 3A Sec: Ter:	Failure to document problems with diesel generator maintenance in the Maintenance Order Maintenance to change the oil for the 1A emergency diesel generator bearing resulted in oil contaminating the generator housing and being sprayed in the diesel room when the engine was started. The cause of the contamination and spray was an inadvertent overfill of the generator oil cavity. At the time of the occurrence, the oil overfill was not documented in the maintenance work order. The failure to document actions taken outside the scope of the work order was a non-cited violation.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/26/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Appropriate maintenance staff response to ccw system problems. Selected maintenance activities were performed safely and in accordance with BGE procedures. The component cooling system was properly scoped and monitored in the BGE Maintenance Rule Program. The Unit 1 component cooling water system did not meet its system performance goals and an appropriate corrective action plan was implemented. (M1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
06/26/1999	1999005-01	Pri: MAINT Sec:	NRC	NCV	Pri: 2B Sec: Ter:	Inadequate corrective action resulted in repetitive failure of LLRT for containment spray check valves. BGE appropriately monitored the performance and material condition of the containment spray system check valves and had established Maintenance Rule system level performance goals commensurate with system safety and current industry operating experience. However, BGE's previous corrective actions were inadequate to prevent repetitive local leak rate test failures of discharge line check valves in both trains of the Unit 2 containment spray system. This was a non-cited violation of 10 CFR 50, Appendix B. (M2.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Appropriate response and troubleshooting of 22 aux feedwater pump turbine. BGE responded appropriately to problems identified during a failed overspeed trip test of the 22 auxiliary feedwater pump turbine. A troubleshooting plan was implemented eventually identifying and resolving a rotor imbalance problem. (M1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003-02	Pri: MAINT Sec:	NRC	NCV	Pri: 2B Sec: Ter:	Emergency diesel generator out-of-service for greater than the allowed technical specification action time (Er The December 22, 1997 1B emergency diesel generator (EDG) surveillance test failure was significant because the EDG was determined to have been unavailable for 12 days prior to discovery and redundant train equipment had been removed from service at various times during this period, contrary to Technical Specifications. However, because the EDG failure was viewed as not reasonably avoidable, the NRC exercised enforcement discretion for this Technical Specification violation. When the cause of the 1B EDG failure was determined, BGE failed to report this condition to the NRC in a timely manner. This was a non-cited violation. (M8.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: MAINT Sec:	Licensee	NEG	Pri: 3A Sec: 5A Ter:	Incorrect Fuel Pump installed on 1A Emergency Diesel Generator During post-installation testing, BGE identified that an incorrect replacement fuel oil pump had been installed on the 1A emergency diesel generator. The installation of the wrong pump demonstrated a weakness in BGE design control for the diesel engine. The correct pump was subsequently installed and the diesel satisfactorily returned to service within the technical specification time limit.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5B Ter:	Maintenance Rule a(3) assessment. BGE performed an a(3) assessment of the maintenance rule program, and concluded that it was functioning effectively. The assessment stated that corrective actions for systems designated a(1) were promoting improved performance. A number of recommendations were made in the BGE assessment and entered into the corrective action system. One recommendation requested a detailed review of systems experiencing difficulty in meeting performance criteria, such as the emergency diesel systems in order to determine whether additional actions were necessary.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/20/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Nozzle dam installation in high radiation area. BGE completed detailed briefings and mockup training for radiation workers prior to installing steam generator nozzle dams in a high radiation environment. The nozzle dams were installed without problems.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Station transformer replacement A station transformer was replaced in a safe, methodical, and professional manner with good risk management and supervisory oversight.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2B Ter:	Preventive maintenance identified failing power supply Preventive maintenance checks identified a degrading steam generator pressure instrument power supply prior to failure of the instrument. The power supply was replaced without problems. The preventive checks were established in the maintenance rule goal setting for the 10 CFR 50.65 a(1) instrument power supplies and were successful in preventing repeat instrument failure.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012-02	Pri: MAINT Sec:	NRC	VIO IV	Pri: 3A Sec: Ter:	Failure to tighten the flange bolting on the 11 A service water strainer in accordance with maintenance procedure The inspectors identified that bolting was incompletely installed following work on a service water heat exchanger strainer. The work package for the task was poor because multiple action steps and quality verifications were specified within one step and there was no verification that the bolting was installed correctly. Checks of the bolting by BGE personnel were incomplete and the strainer was returned to service with loose bolting. When identified, BGE took prompt and comprehensive corrective actions
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012-03	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 3A Ter:	A spare reactor trip breaker had been temporarily placed in service without completing technical specifications BGE identified that a spare reactor trip breaker had on multiple occasions been placed in service during maintenance without having completed technical specification testing requirements. BGE stated that the event resulted in no significant consequences to public health and safety.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/06/2000	1999008	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4C Ter:	Examples of poor documentation of temporary modifications. The reviewed temporary alterations were generally complete and technically adequate. Three examples were identified in which temporary modification documentation was not completed in accordance with procedure MD-1-100 "Temporary Alterations". These omissions are being treated as a minor violation. (E1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/06/2000	1999008	Pri: ENG Sec:	NRC	POS	Pri: 3A Sec: Ter:	Good engineering communications and good self-assessments. Plant engineering effectively communicates with station personnel. There was strong representation from site management at the daily manager meetings to discuss plant status and priorities. PORSC meetings were well organized and system engineering provided detailed insights into the subject matter at the meetings. (E2.2) The engineering self-assessments were acceptable. The self-assessment performed by Plant Engineering Section was good with a creative approach and insightful conclusions. (E3.4)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/06/2000	1999008	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: 4B Ter:	Industry operating experience use was acceptable. BGE's process for assessing and disseminating industry operating experience was acceptable. For the NRC information notices that were reviewed, the assessments were technically sound and well documented. The backlog of open items was adequately managed. (E1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/06/2000	1999008-01	Pri: ENG Sec: OPS	NRC	URI	Pri: 1A Sec: 4B Ter:	Documentation Supporting Qualification of 1A EDG At the time this inspection concluded the licensee had not been able to produce documentation to support that the 1A EDG meets all of the qualification requirements of IEEE 387-1984.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/06/2000	1999008-03	Pri: ENG Sec: OPS	NRC	EEI	Pri: 1A Sec: 4B Ter:	10 CFR 50.59 Violation for Compensatory Actions Taken to Solve the Light Load Issue of EDG 1A BGE made changes to procedures, that allowed the manual addition of safety and non-safety loads to EDG 1A to satisfy light loading concerns after April 9, 1998, that affect the way the plant would be operated in response to accidents and transients when using EDG 1A. BGE did not document a safety evaluation that adequately provided the basis that the change was not an unreviewed safety question, resulting in an apparent violation of 10 CFR 50.59. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/06/2000	1999008-04	Pri: ENG Sec:	NRC	NCV	Pri: Sec: Ter:	A Conditon Adverse to Quality that Was Not Addressed by Promptly Implementing a 1994 Modification Packag The water hammer caused by quick closure of the EDG service water control valve was a condition adverse to quality that was not addressed by promptly implementing a 1994 modification package. This Severity Level IV violation is being treated as a non-cited violation. (E1.4)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	003679136	Pri: ENG Sec: OPS	NRC	POS	Pri: 4B Sec: Ter:	Safety-Related Temporary Alterations Were Satisfactory with Minor Administrative Deficiencies Safety related temporary alterations were satisfactorily installed on Units 1 and 2 systems, in accordance with approved BGE procedures. BGE engineering properly reviewed and approved the temporary alterations prior to installation with adequate safety evaluation review screens performed. Several minor administrative deficiencies were identified by the inspectors indicating some inattention to detail by the responsible BGE staff. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/12/2000	1999012	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 4C Ter:	Incorrect assumption used in analyzing a change to the plant design involving the OC emergency diesel gen During this inspection, the NRC inspectors discovered that an incorrect assumption was used in analyzing a change in plant design that excluded the station black-out function of the OC emergency diesel generator (EDG) from the license renewal application. BGE corrected this assumption and considered the associated impact. This change was not included in the annual update to the license renewal application for two reasons. First, CCNPP had not completed the OC EDG modification at the time the license renewal application was being generated, and second, BGE considered the use of the four hour coping scenario (instead of a one hour coping period) to be the conservative choice; a position they maintained through the annual up-date process. It was only after the NRC questioned the OC diesel omission from the application that BGE concluded that to use the four-hour coping was conservative electrically but not conservative for the purpose of license renewal scoping. The effect was to scope out the OC EDG. BGE has now included the OC emergency diesel generator, its support structure and building, within the scope of license renewal for station black-out. Based on our review of the facts surrounding the original incorrect assumption, our understanding of the licensee's corrective action process for assessing other scoping issues, and the extent-of-condition review performed by BGE, the NRC determined this issue was resolved.(Section E2.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/12/2000	1999012	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	BGE satisfactorily resolved the issues raised during the previous inspection. BGE satisfactorily resolved the issues raised during the previous license renewal inspections. BGE maintained consistency between the license renewal application, license renewal annual update, and the aging management reports by submitting any proposed changes through their license renewal corrective action system. All the corrective actions proposed during the previous inspections have been incorporated in the aging management reports, changes to the license application, or scheduled for inclusion in appropriate licensee documents. (Section E2.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/12/2000	1999012	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5C Ter:	Variety of issues raised in IRs 99-02 and 99-04 were adequately resolved by the licensee. The inspectors reviewed information related to the current status of issues raised in inspection reports 50-317/99-02, 50-318/99-02, 50-317/99-04, and 50-318/99-04. These issues were (a) contradictory statements made about cable insulation in the license renewal application, (b) cracking observed in concrete at buttresses three and four of Unit 1, (c) leaking of the Salt Water System, (d) water hammer of component supports, (e) contradictory statements made about the fire and smoke detection system, (f) management of aging caused by corrosion of the fire protection system, (g) an error in scoping of the 1A Diesel Building, (h) settlement cracking in the Auxiliary Building, (i) primary water stress corrosion cracking in the reactor coolant system, and (j) inadequacy of checklists used to manage aging in the heating ventilating and air conditioning systems of the Control Room. These issues were resolved. (Section E2.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
11/20/1999	1999009-01	Pri: ENG Sec: OPS	NRC	IFI	Pri: 2B Sec: 3A Ter:	Inspector follow-up of concerns identified in the review of the administrative actions for maintaining operab BGE appropriately evaluated degraded and non-conforming conditions impacting plant safety systems. However, implementation of the administrative requirements of procedure NO-1-106, "Functional Evaluation/Operability Determination" was poor. For example, several corrective actions associated with active operability determinations have slipped their due dates and, in some instances, not been sufficiently justified. In addition, the Shift Manager's Operability Determination Book was not maintained up-to-date, active operability determinations (ODs) were not periodically updated to reflect new information, and quarterly OD reviews per NO-1-106 were cursory. These inspector findings reflect poor Operations and Engineering department management oversight of this process. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/20/1999	1999009-02	Pri: ENG Sec:	Licensee	IFI	Pri: 2B Sec: Ter:	Inspector follow-up of control of nonconforming circuit breakers Breaker modifications, inspections and post-modification testing for correcting a 10 CFR Part 21 manufacturing defect were accomplished in accordance with the work instructions and the activities were appropriately documented. The breaker procurement design specification was well prepared and of good quality, containing appropriate design data for the breakers. The Vendor Assessment Unit provided adequate involvement in overseeing the breaker procurement activities. (E2.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/02/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5C Ter:	Operability determinations involving the high duty fuel cladding were appropriate in scope and detail. The inspectors concluded that an operability determination regarding the corrosion behavior of the cladding for high duty fuel was appropriate in scope and detail. BGE concluded that the Unit 1 and Unit 2 reactor cores were operable for the remainder of their current operating cycles, since the fuel was expected to remain within all the applicable design limits. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 5A Ter:	Unexpected oxides on fuel appropriately investigated by BGE. BGE conducted testing of used nuclear fuel assemblies to confirm that the fuel remained within its design. Unexpected oxide layer thickness and some evidence of blistering were observed. The vendor was informed and further inspection was conducted. BGE started an engineering evaluation to assure that reactor fuel remained within its design limits.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006-02	Pri: ENG Sec: OPS	NRC	NCV	Pri: 4B Sec: 5A Ter:	Failure to promptly report a condition outside of the design basis of the plant BGE identified that control room ventilation in-leakage exceeded design values. The design calculations were later revised and submitted to NRC for review. The inspectors did not agree with BGE that increased control room air inleakage was not a condition outside of the plant design basis since the operability assessment relied on assumptions and coefficients that were not described in the Calvert Cliffs FSAR. After the inspector's inquiry, BGE reported the issues in accordance with 10 CFR 50.72 and 10 CFR 50.73. Failure to make a timely report was a non-cited violation.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
06/26/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 3A Ter:	Good engineering staff oversight of S/G safety valve testing. BGE engineering personnel appropriately directed the Unit 1 steam generator safety valve testing performed before reactor start-up and provided prompt assessments of the test results. The testing was well controlled and completed without problems. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 2B Sec: 5A Ter:	Fuel assembly integrity concern identified. During a BGE audit of their fuels vendor, a potential concern with the integrity of a fuel assembly was identified. The issue was entered into the BGE corrective action program and an inspection was conducted to resolve the matter. The inspectors found the BGE actions to be appropriate. (E1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/16/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Findings of the Second License Renewal Inspection The inspection revealed a few aging effects that were not taken into account such as water hammer and thermal expansion loading or structural cracking. All the omitted aging effects identified by the NRC team were entered into the licensee corrective action program by the Life Cycle Management staff at Calvert Cliffs Nuclear Power Plant. The NRC team concluded that in many cases existing procedures or programs, given credit for aging management, are not able to completely manage the aging effect. The process of integrating aging management into the existing programs is being developed and there is evidence of a neoteric system that will take care of these problems. Overall the NRC inspection team concluded that Baltimore Gas and Electric properly implemented the aging management methodology approved by the NRC and the references and documentation supporting the information in the license renewal application are in auditable and retrievable forms. The NRC inspection also concluded there is reasonable assurance the effects of aging will be adequately managed in order to maintain the intended function(s) of the systems, structures, and components at Calvert Cliffs Nuclear Power Plant during the period of extended operation consistent with the current licensing basis.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: ENG Sec:	Licensee	POS	Pri: 2A Sec: 5C Ter: 4B	8 OF 16 MSSVs lifted above the setpoint BGE identified in 1998 that eight of sixteen main steam safety valves (MSSVs) on Unit 1 lifted above the setpoint required by technical specifications. This condition was significant because the design pressure of the steam generators could be exceeded in some transients. The discovery was documented in an LER. BGE completed an extensive evaluation, including a destructive metallurgical examination of one of the safety valves and determined the cause to be galling. BGE tested safety valves during each availability and following thermal cycling to ensure that galling did not occur. The BGE evaluation and corrective actions were appropriate for the identified problem.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Engineering support of online main steam safety valve testing BGE engineering directed the on-line testing of main steam safety valves. The engineers assessed the test results and found that all of the valves tested were within technical specification ranges for operability. The testing was completed without problems.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/12/1999	1999002	Pri: ENG Sec:	NRC	POS	Pri: 4C Sec: 4B Ter:	License renewal Except for the apparent omissions caused by the Baltimore Gas and Electric (BGE) methodology in applying the requirements of 10 CFR 54.4(a)(3), as noted in the fire pump house and station blackout diesel generator building analysis, the NRC inspection team concluded the applicant properly implemented the scoping and screening methodology approved by the NRC in the final safety evaluation titled, "Final Safety Evaluation (FSE) Concerning the Baltimore Gas & Electric Company Report Entitled "Integrated Plant Assessment Methodology", dated April 4, 1996. The onsite references and documentation supporting the information in the license renewal application was in an auditable and retrievable form with only one discrepancy noted in the Cathodic Protection system evaluation and an incorrect notation in Table 3.3E-1 for the Containment structure. The NRC inspection team did not evaluate the credibility of the applicant's screening of heat exchangers due to the indeterminate nature of the NRC's position on the function. The apparent omissions caused by the BGE methodology are being classified as an inspector follow up item (IF1) and along with the evaluation of the screening of heat transfer functions are being reviewed by the NRC Office of Nuclear Reactor Regulation.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012-04	Pri: ENG Sec:	Licensee	NCV	Pri: 2A Sec: Ter:	Two station battery chargers were in service without seismic positioners, contrary to technical specifications BGE identified and reported that two battery chargers had been in service without having seismic positioners. A seismic event would have made the chargers inoperable.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Effective Radiological Controls For High Risk Work BGE implemented effective radiological controls for high risk work activities reviewed. Appropriate personnel external and internal exposure controls were provided. There were no significant unplanned internal or external personnel exposures. Dosimetry anomalies were properly reviewed. (R1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Good Radiation Safety Planning and Preparation for Unit 1 Refueling Outage BGE was providing good planning and preparation for the upcoming Unit 1 refueling outage. Lessons learned were being appropriately evaluated for application and an outage Radiation Protection Plan was established. Outage work activities were classified relative to radiological risk and were being reviewed in accordance with approved radiological risk based work planning procedures. BGE initiated a comprehensive evaluation of its ALARA program to identify areas for further improvement. (R1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Radiation Protection Improvement Plan Implementation Continues Including Centralized Risk Assessment BGE was implementing its Radiation Protection Improvement Plan and was making program changes to enhance performance in work planning and control. Of particular note was BGE's efforts to centralize risk assessment of work planning in one program document and establish a central routine and outage work planning organization. No changes that would adversely affect performance in radiation protection were noted. (R1.3)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/08/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Enhancements for Self-Assessment Consistency and Quality Implemented BGE was implementing enhanced oversight of the station's performance in the area of radiological controls. BGE implemented initiatives to enhance the quality and consistency of self-assessments on a station-wide basis. (R7)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	1999011-02	Pri: PLTSUP Sec:	NRC	NCV	Pri: 3A Sec: Ter:	BGE failed to properly survey effluent shipments (for tritium) and take more effective and aggressive action to BGE identified trace tritium contamination in sewage effluent samples in August 1999, but was slow to take actions to prevent subsequent contaminated or potentially contaminated shipments from leaving the facility. BGE corrective actions appropriately addressed the organizational and program performance deficiencies which contributed to this event. A NCV was issued for the licensee's failure to properly survey effluent shipments and take more effective and aggressive action to suspend subsequent shipments until sample results could be confirmed. (R8.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/08/2000	1999011-03	Pri: PLTSUP Sec:	NRC	NCV	Pri: 5A Sec: 2B Ter:	BGE Failed to Submit Emergency Response Plan Changes Within the Required 30 Day Period The licensee self-identified on December 8, 1999, the failure to have submitted Revision 28 (effective August 30, 1999) to the BGE Emergency Response Plan to the NRC within 30 days of the effective date. This issue was treated as a non-cited violation. (P1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
11/20/1999	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Well organized and comprehensive pre-evolutionary briefing for spent fuel pool diving activities. BGE personnel performed a well organized and comprehensive pre-evolution brief prior to spent fuel pool diving maintenance activities. The brief was attended by dive personnel, radiological controls, maintenance, and management personnel. Good interaction between participants was noted. (R1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/27/1999	1999010	Pri: PLTSUP Sec: OPS	NRC	POS	Pri: 2B Sec: 3A Ter:	Overall performance of the emergency response organization was good. Based on the results of this inspection, it was determined that 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. Simulated events 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: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
10/27/1999	1999010	Pri: PLTSUP Sec: OPS	NRC	POS	Pri: 2B Sec: 3A Ter:	Post exercise critiques were thorough. The critique process was well implemented. Post-exercise facility debriefs were candid. At the formal critique, your 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: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
10/02/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Fitness for Duty Program implementation appropriate. BGE's fitness for duty program for random drug testing is well defined and proceduralized. Interviewed fitness for duty personnel were knowledgeable and demonstrated a sensitivity for employees' rights and the disclosure of private information. BGE's fitness for duty program, policies, and procedures reviewed during this inspection were satisfactory. (S1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Access authorization, alarm stations, and comm appropriately implemented. BGE was conducting security and safeguards activities in a manner that protected public health and safety in the areas of access authorization, alarm stations, communications, and protected area access control of personnel, packages and vehicles. This portion of the program, as implemented, met BGE's commitments and NRC requirements.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Security facilities and equipment well maintained. Security facilities and equipment in the areas of protected area assessment aids, protected area detection aids, and personnel search equipment were determined to be well maintained and were able to meet BGE's commitments and NRC requirements.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Security and safeguards procedures and documentation properly implemented. Security and safeguards procedures and documentation were being properly implemented. Event logs were being properly maintained and effectively used to analyze, track, and resolve safeguards events.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Audits in the security area were comprehensive in scope and depth. The review of BGE's security audit program indicated that the 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 the documentation applicable to the self-assessment program indicated that the program was being effectively implemented to identify and resolve potential weaknesses.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Nuclear security officers' training and knowledge good. The nuclear security officers (NSOs) adequately demonstrated that they had the requisite knowledge necessary to effectively implement the duties and responsibilities associated with their position. Security force personnel were being trained in accordance with the requirements of the BGE Training and Qualification Plan. Training documentation was properly maintained and accurate, and response capabilities were being exercised.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/14/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Appropriate security management support. The level of security management support was adequate to ensure effective implementation of the program, and was evidenced by adequate staffing levels and the allocation of resources to support programmatic needs.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
06/26/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Y2K upgrade of plant security computer well coordinated. The Y2K upgrade of the Calvert Cliffs security computer system was well planned and effectively executed. (S1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: Ter:	Training and qualifications of contracted staff proper. Training and qualification of contracted radiological control technicians was commensurate with assigned duties. Radiation workers were provided appropriate radiological controls training. (R5)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Effective rad controls for Unit 2 outage. BGE implemented improved and effective radiological controls for the Unit 2 outage. BGE was maintaining personnel radiation exposures as low as is reasonably achievable and well within applicable limits. (R1.1)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Appropriate augmentation of RP organization during the outage. BGE augmented its radiological controls organization to support outage activities and implemented its Radiation Protection Improvement and Outage Plans. (R1.2)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
05/08/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Conservative estimates of neutron dose. BGE was providing conservative estimates of personnel neutron exposure using staytime calculations and personnel monitoring devices. BGE was reviewing its neutron survey and monitoring practices for improvement. (R8)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region I

CALVERT CLIFFS

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
05/08/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3C Sec: Ter:	Enhanced management oversight. BGE was implementing enhanced oversight of radiological work activities to verify and validate the effectiveness of its radiation protection program improvement efforts. (R7)
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 3A Ter: 4C	Security identified contraband prior to PA entry BGE security identified contraband material in the possession of an individual attempting to gain entry into the protected area. State police were summoned and the individual was arrested. The inspectors considered the episode to be an example of effective access control.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: PLTSUP Sec:	NRC	STR	Pri: 1C Sec: Ter:	Environmental QA/QC programs The environmental and quality assurance laboratories conducted the Quality Assurance/Quality Control (QA/QC) programs in accordance with the appropriate procedures. BGE 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: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: PLTSUP Sec:	NRC	STR	Pri: 4C Sec: Ter:	REMP Implementation BGE effectively performed sample collection activities according to the procedures, conducted the land use census, and maintained and calibrated the automatic sampling equipment. BGE provided program oversight and met the reporting requirements in the Offsite Dose Calculation Manual (ODCM). The radiological environmental monitoring program was effectively implemented in accordance with regulatory requirements.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
03/20/1999	1999001	Pri: PLTSUP Sec:	NRC	STR	Pri: 4C Sec: Ter:	Meteorological monitoring program The meteorological monitoring program was effectively maintained and implemented in accordance with regulatory requirements. BGE's performance with regard to maintaining the meteorological monitoring instrumentation reliable was effective.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						
01/30/1999	1998012	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 3A Ter: 2A	Radiation technician response to faulty radiation instrument BGE radiation protection technicians working in containment acted appropriately when a neutron monitoring instrument showed higher than expected neutron levels. The high readings resulted from the poor material condition of the instrument.
Dockets Discussed: 05000317 Calvert Cliffs 1 05000318 Calvert Cliffs 2						

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.