

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Region II
WATTS BAR

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/29/2000	1999011	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
01/29/2000	1999011	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	MANAGEMENT REVIEW ACTIVITIES The Management Review Committee exhibited a questioning attitude regarding corrective action plans and adequacy of immediate corrective actions for problems associated with problem evaluation reports (PERs) initiations. Corrective action plans were typically thorough. The licensee demonstrated a low threshold for initiation of PERs. A Plant Operations Review Committee review was thorough and Nuclear Assurance observations were broad based with beneficial findings noted.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	CONDUCT OF OPERATIONS The conduct of operations was performed in a professional and safety conscious manner. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	WALKDOWN OF AN ENGINEERED SAFETY SYSTEM An engineered safety feature system walkdown of portions of the auxiliary feedwater system and 120V vital DC power system identified system lineup, material condition, and housekeeping to be acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	MANAGEMENT REVIEW ACTIVITIES The Management Review Committee (MRC) exhibited a questioning attitude regarding corrective action plans and adequacy of immediate corrective actions for problems associated with problem evaluation report (PER) initiations. Corrective action plans were typically thorough, with occasional exceptions recognized and corrected by the MRC members. The licensee demonstrated a low threshold for initiation of PERs. The Human Performance Steering Committee and PER Coordinator Committees both appeared to be beneficial initiatives.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 2B Ter:	OPERATIONAL STATUS 1A-A DIESEL GENERATOR DURING MAINTENANCE. The licensee removed two of four air receivers from service for maintenance on the 1A-A DG and considered the DG operational. This was a non-conservative decision because the licensee could not justify the action without substantial research when questioned by the NRC. Subsequently, the licensee demonstrated that the 1A-A DG remained operable with the remaining air receivers that were inservice.
Dockets Discussed: 05000390 Watts Bar 1						

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11/06/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	CONDUCT OF OPERATIONS The conduct of Operations was professional and generally safety-conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities. Control room briefs were thorough and emphasized safety.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 3A Ter:	CONDUCT OF OPERATIONS. Operators exhibited good situational awareness in response to loss of several control functions. For example, operators recognized that pressurizer spray valves were full open and took prompt corrective action, preventing a possible reactor trip.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	HOUSEKEEPING AND MATERIAL CONDITIONS OF PLANT SYSTEMS AND AREAS. Housekeeping and material condition were good, in that: loose debris was not noted; leaks were minimal, and no uncontrolled leaks were noted; no significant material damage was noted; temporarily stored material met requirements; and transient combustibles met requirements.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: OPS Sec:	NRC	POS	Pri: 2A Sec: 3A Ter:	WALKDOWN OF ENGINEERED SAFETY FEATURES SYSTEM. A detailed engineered safety feature system walkdown of portions of the diesel generator (DG) system identified system lineup, material condition, and housekeeping to be acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	ENGINEERED SAFETY FEATURE WALKDOWN An engineered safety feature system walkdown of portions of the auxiliary feedwater and 120 volt DC vital control power system identified system lineup, material condition, and housekeeping to be acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						

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09/25/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	MANAGEMENT REVIEW COMMITTEE The Management Review Committee exhibited a questioning attitude regarding corrective action plans and adequacy of immediate corrective actions for problems associated with problem evaluation report (PER) initiations. Corrective action plans were typically thorough; however, the inspector identified that some corrective actions taken were not always documented thoroughly in the PERs. The licensee had previously recognized incomplete documentation as a general problem, and steps were being taken to correct the problem.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	PLANT OPERATIONS REVIEW COMMITTEE The Plant Operations Review Committee exhibited thorough questioning of issues brought to the committee for approval.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	OPERATIONS SELF-ASSESSMENT An Operations self-assessment showed that a comprehensive review had been performed of the configuration control area.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008-01	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: 3A Ter:	VITAL BATTERY BOARD INOPERABLE GREATER THAN TS TIME LIMIT A non-cited violation was identified for having one vital battery board inoperable for greater than the Technical Specification time limit.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN An engineered safety feature system walkdown of portions of the component cooling water system identified system lineup, material condition and housekeeping to be acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities. Operations carefully followed requirements during tritium producing burnable absorber assembly transfer and shipment.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/14/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	USE OF INDUSTRY EXPERIENCE IN TRAINING The licensee made use of industry experience in planning training and simulator casualty scenarios. A notable example was training on loss of vital inverters which included lessons learned from a November 1998 Sequoyah loss of vital inverter event.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	MANAGEMENT REVIEW COMMITTEE The Management Review Committee exhibited a questioning attitude regarding corrective action plans and adequacy of immediate corrective actions for problems associated with problem evaluation report initiations. Corrective action plans were typically complete with minor exceptions which were not regulatory matters.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	PLANT OPERATIONS REVIEW COMMITTEE The Plant Operations Review Committee exhibited thorough questioning of issues being approved.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007-01	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: Ter:	FAILURE TO MAINTAIN TWO TRAINS OF EMERGENCY GAS TREATMENT SYSTEM OPERABLE A non-cited violation was identified for both trains of the emergency gas treatment system being out-of-service for approximately 23 minutes. An improper hold order contributed to both trains being inoperable.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety-conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 3C Sec: Ter:	OVERTIME USE The licensee was adequately controlling overtime use in accordance with Technical Specification 5.2.2. Routine heavy use of overtime was not evident and licensee reviews of overtime use were adequate. Occasional use in excess of overtime guidelines was properly authorized.
Dockets Discussed: 05000390 Watts Bar 1						

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07/03/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	APPROACH TO PROBLEMS The licensee has continued to implement a thorough and self-critical approach to problems. A low threshold for initiation of problem evaluation reports was demonstrated. Corrective action plans were typically thorough. Occasional problems were noted by the Management Review Committee and corrected. Oversight by Nuclear Assurance (NA) was broad-based with good findings noted, and areas identified by NA for additional attention were appropriate.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: OPS Sec: MAINT	NRC	POS	Pri: 1A Sec: 2A Ter:	ENGINEERED SAFETY SYSTEM WALKDOWN An engineered safety feature system walkdown of portions of the diesel generator system and 120 volt AC vital power system was conducted. No substantive concerns were identified as a result of this walkdown and system lineup, material condition, and housekeeping were acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety-conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3A Ter:	REACTOR STARTUP Reactor startup at the end of the Cycle 2 refueling outage was conducted in accordance with procedure and was characterized by clear communications and positive control from the unit supervisor.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	APPROACH TO PROBLEMS A self-critical approach to problems was demonstrated during implementation of the corrective action program. Corrective actions were thorough and operability evaluations adequate. A Nuclear Safety Review Board assessment was consistent with NRC observations.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: OPS Sec: MAINT	NRC	POS	Pri: 1A Sec: 2A Ter:	ENGINEERED SYSTEM WALKDOWN An engineered safety feature system walkdown of portions of the safety injection system, the auxiliary feedwater system, and the chemical and volume control system was conducted. No substantive concerns were identified as a result of this walkdown and system lineup, material condition, and housekeeping were acceptable.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/16/1999	1999301	Pri: OPS Sec:	NRC	NEG	Pri: 3B Sec: Ter:	OPERATOR LICENSING EXAMINATIONS During initial operator and senior operator applicant examinations, a generic weakness was identified in the ability of applicants to locally reset emergency diesel generator trips, and in their knowledge of auxiliary feedwater system operation.
Dockets Discussed: 05000390 Watts Bar 1						
04/16/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	OPERATOR LICENSING EXAMINATIONS Seven senior reactor operator applicants and five reactor operator reactor operator applicants received written examinations and operating tests. The as-submitted written examination and operating tests met the requirements of NUREG-1021. Eleven of twelve applicants passed the examination. One senior reactor operator applicant failed the written examination.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	CONDUCT OF OPERATIONS The conduct of operations was professional and safety-conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	SAFETY INJECTION SYSTEM WALKDOWN An engineered safety feature system walkdown of the safety injection system was conducted. No substantive concerns were identified as a result of this walkdown and system lineup, material condition, and housekeeping were acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 3C Ter:	REACTOR COOLANT SYSTEM DRAINDOWN Operations during reactor coolant system (RCS) draindown operations and RCS midloop and vacuum fill operations were well controlled and well planned. Briefings were thorough and focused on safety. Senior management oversight during RCS drain and vacuum fill operations was regarded as a strength. Midloop operations were conducted safely and the time spent in midloop was minimized.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	APPROACH TO PROBLEMS The licensee has continued to implement a thorough and self-critical approach to problems. A low threshold for initiation of problem evaluation reports (PERs) was demonstrated. Corrective action plans were typically thorough. Occasional problems were noted by the Management Review Committee (MRC) and corrected. Some increase in the MRC rejection rate for corrective action plans was appropriately recognized and highlighted by licensee management. Prioritization of PERs for mode changes was appropriately conservative. A good initiative was noted, in that, a weekly corrective action analysis was provided to managers during the outage period to highlight areas needing attention. Thorough Nuclear Assurance oversight of operational activities was noted.
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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/27/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Conduct of Operations The conduct of operations was professional and safety-conscious. Requirements were met for control room conduct and other areas reviewed such as turnovers, tagouts, documentation, staffing, and assistant unit operator activities.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	RHR Detailed System walkdown A detailed engineered safety feature system walkdown of the residual heat removal (RHR) system was performed. System lineup was in accordance with design basis documents and the system engineer was knowledgeable of system design, operation, and maintenance. The RHR system was in good material condition and support systems were operational. System performance met Maintenance Rule performance criteria.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: 5B Ter:	Self-critical and Thorough Approach to Problems A continued self-critical and thorough approach to problems was demonstrated during self-assessment activities. Corrective action plans were thorough. Beneficial findings were identified by the Nuclear Assurance department.
Dockets Discussed: 05000390 Watts Bar 1						
01/29/2000	1999011	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Maintenance and surveillance activities observed were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	FREEZE PROTECTION PROGRAM The licensee properly implemented an adequate freeze protection program.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Maintenance and surveillance activities observed were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						

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11/06/1999	1999009	Pri: MAINT Sec: PLTSUP	NRC	POS	Pri: 2B Sec: 3A Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES. Ten maintenance and surveillance activities were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Fifteen maintenance and surveillance activities were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 5A Ter:	MAINTENANCE SELF-ASSESSMENT A Maintenance program self-assessment was very thorough and performance oriented.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Eleven maintenance and surveillance activities were adequately performed. Maintenance personnel were knowledgeable and, with one exception, carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007-02	Pri: MAINT Sec:	NRC	NCV	Pri: 3A Sec: Ter:	FAILURE TO FOLLOW CALIBRATION PROCEDURE Two successive calibrations of instrument loop 1-LPF-62-93C were performed incorrectly in that components were left outside as-left acceptance criteria. Failure to correctly calibrate the charging header flow instrument in accordance with an approved procedure was a non-cited violation.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter:	UNIT 2 EQUIPMENT LAY-UP The licensee's maintenance of Unit 2 equipment in lay-up was adequate and administration of the Unit 2 lay-up program was acceptable.
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07/03/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	SENSITIVITY TO OPERATION CONCERNS Maintenance demonstrated a good sensitivity to operations concerns and thoroughly tracked problems and backlogs.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Five maintenance and surveillance activities observed were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well-documented.
Dockets Discussed: 05000390 Watts Bar 1						
06/03/1999	1999006-01	Pri: MAINT Sec:	NRC	NCV	Pri: 5A Sec: 3A Ter:	FAILURE TO PROMPTLY IDENTIFY ICE CONDENSER DEBRIS. A non-cited violation of 10CFR50, Appendix B, Criterion XVI, was identified for failure to promptly identify Ice Condenser debris.
Dockets Discussed: 05000390 Watts Bar 1						
06/03/1999	1999006-02	Pri: MAINT Sec:	NRC	NCV	Pri: 5A Sec: 2B Ter:	FAILURE TO PROMPTLY IDENTIFY ICE CONDENSER BASKET DAMAGE. A non-cited violation was identified for failure to promptly identify a damaged ice basket.
Dockets Discussed: 05000390 Watts Bar 1						
06/03/1999	1999006-04	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: Ter:	FAILURE TO MEET TECHNICAL SPECIFICATIONS FOR ICE CONDENSER INLET DOORS OPENING TORQUE. A non-cited violation was identified for failure to meet Technical Specification for Ice Condenser inlet door opening torque.
Dockets Discussed: 05000390 Watts Bar 1						
06/03/1999	1999006-03	Pri: MAINT Sec: ENG	NRC	NCV	Pri: 5A Sec: 4B Ter:	FAILURE TO PROMPTLY DOCUMENT ICE BASKET WEIGHT WHICH EXCEEDED DESIGN BASIS REQUIREMENTS A non-cited violation was identified for failure to promptly document a condition adverse to quality involving ice baskets which were over the seismic analysis weight limit. Analysis showed that past operability was not affected.
Dockets Discussed: 05000390 Watts Bar 1						

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05/22/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2B Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Eight maintenance and surveillance activities were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well-documented.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3C Sec: 2A Ter:	FIXING EQUIPMENT PROBLEMS A strong sensitivity to correcting equipment problems affecting operations was demonstrated during the Cycle 2 refueling outage.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003-01	Pri: MAINT Sec:	Licensee	NCV	Pri: 4B Sec: 2A Ter:	FAILURE TO IMPLEMENT ADEQUATE PROCEDURES FOR A FIRE BARRIER. Non-Cited Violation was identified for failure to implement adequate procedures to maintain a fire barrier on a nuclear source range instrument cable
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: MAINT Sec: ENG	NRC	POS	Pri: 5B Sec: 5C Ter:	EVALUATION OF STEAM GENERATOR LEAK The licensee conducted an adequate evaluation of a steam generator manway steam leak for continued operation, conducted a thorough root cause analysis, and implemented appropriate repairs for the leak.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: Ter:	ICE CONDENSER LOWER PLENUM INSPECTION Lower plenum inspections found housekeeping to be satisfactory. Also, no examples of excessive ice flow blockage were noted during these lower ice condenser plenum tours.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter:	ICE CONDENSER UPPER DECK BLANKET OUTAGE ACTIVITIES Completed outage activities for the Unit 1 upper deck blankets were adequately performed. The material condition of the ice condenser upper deck blankets was acceptable.
Dockets Discussed: 05000390 Watts Bar 1						

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05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2A Sec: 2B Ter:	ICE CONDENSER CONTAINS SUFFICIENT ICE TO MEET REQUIREMENTS Observations and detailed data reviews provided assurance that sufficient ice remained in the Ice Condenser to meet the design basis and Technical Specification requirements.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	ICE CONDENSER SURVEILLANCE RESULTS Ice Condenser surveillance results met procedural and Technical Surveillance requirements.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	ICE WEIGHING AND SERVICING ACTIVITIES Personnel followed procedures during ice weighing and servicing activities with minor exceptions which were discussed with the licensee.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2A Ter: 3B	TECHNICAL SPECIFICATION INTERMEDIATE DECK DOOR SURVEILLANCE The Technical Specifications required surveillance for intermediate deck doors was performed by trained personnel who were thoroughly familiar with the requirements. The material condition of the intermediate deck doors was acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec: ENG	NRC	POS	Pri: 4B Sec: Ter:	ICE BASKET SCREW PROCURMENT UPGRADE Procurement upgrade for replacement ice basket screws, and control and storage of replacement screws used during the outage were adequate.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: MAINT Sec: ENG	NRC	POS	Pri: 4B Sec: Ter:	ICE CONDENSER SURVEILLANCE PROCEDURES Ice Condenser surveillance procedures were clearly written and met Technical Specification requirements.
Dockets Discussed: 05000390 Watts Bar 1						

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04/10/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 1A Sec: 3C Ter:	OUTAGE ACTIVITIES Outage activities were generally well-controlled, with good management oversight and emphasis on risk management. Refueling operations were conducted carefully including handling of lead test assemblies and inspection of fuel assembly inlet nozzles during offload. Outage activities in containment were well-controlled, and the inspectors found the containment closeout to be adequate.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	MAINTENANCE AND SURVEILLANCE ACTIVITIES Twenty maintenance and surveillance activities were adequately performed. Maintenance personnel were knowledgeable and carefully followed procedures to resolve plant equipment and component problems. Work performed was typically well-documented.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3C Ter:	RISK ASSESSMENT AND REDUCTION Licensee management was focused on risk assessment and risk reduction through planning and frequent review. The Outage Risk Assessment and Management program was an effective tool for the licensee and was utilized extensively to minimize risk and avoid compromising protected train safety and support equipment.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: 2B Ter: 4B	INSERVICE EXAMINATION ACTIVITIES Inservice examination activities were performed using approved procedures by certified examiners who were skillful in the use of the test equipment, knowledgeable of the test methods, and who properly recorded and evaluated inspection results in accordance with the appropriate test procedures. Documentation reviewed was complete and evaluations/acceptance of examination results were conducted in accordance with the applicable procedures, technical specifications and industry standards. Engineering demonstrated a noteworthy persistence in solving problems and performing valid examinations.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	Maintenance and Surveillance Activities Nine maintenance and surveillance activities were adequately performed, and Maintenance provided good support to resolve plant equipment or component problems. Work performed was typically well documented.
Dockets Discussed: 05000390 Watts Bar 1						
01/29/2000	1999011	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	ENGINEERING ACTIVITIES Engineering activities reviewed were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety.
Dockets Discussed: 05000390 Watts Bar 1						

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Region II
WATTS BAR

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
12/18/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4C Ter:	DESIGN CHANGE ACTIVITES Design change and temporary alteration activities were being conducted in a manner consistent with regulatory requirements.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	ENGINEERING ACTIVITIES Engineering activities reviewed were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	10 CFR50.59 PROCESS 10 CFR 50.59 safety evaluation activities were being performed in accordance with regulatory requirements. The safety evaluations reached the correct conclusions concerning whether the proposed changes would compromise safety and whether an unreviewed safety question was involved. Documentation of the safety evaluations was complete and readily retrievable.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	ENGINEERING SUPPORT ACTIVITIES Engineering support in the resolution of PERs was effective. The operating experience program was working well and the licensee's engineers were adequately evaluating and resolving the various problems discussed in the generic communications to maintain the design and licensing basis. The engineering backlog was not excessive and was receiving appropriate management attention.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	QUALITY ASSURANCE IN ENGINEERING ACTIVIITES The licensee's self-assessment process was effective in identifying and resolving problems.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 4C Ter:	YEAR 2000 (Y2K) READINESS PROGRAM REVIEW. The inspector determined the certification documentation and operation of the Health Physics Information Management System, the Nuclear Operations Management System, and the Security Check-In Process Software to have adequately demonstrated Year 2000 (Y2K) compliance.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/06/1999	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	ENGINEERING ACTIVITIES. Reviewed engineering activities were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety. Engineering personnel appropriately designated the hydrogen ignitor system as an "a (1)" system in accordance with the Maintenance Rule after evaluating an additional hydrogen ignitor system failure.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	USE OF CONTAINMENT PENETRATIONS DURING MAINTENANCE ACTIVITIES. The licensee's use of containment penetrations during maintenance periods was justified by a thorough safety assessment/safety evaluation (SA/SE). The SA/SE and a work document from the most recent refueling outage documented completion of required tests and compliance with Technical Specifications.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: ENG Sec:	NRC	POS	Pri: 2A Sec: Ter:	ICE CONDENSER SCREWS SATISFACTORY FOR USE Ice condenser (IC) basket coupling screw testing conducted during the Spring 1999 refueling outage demonstrated that the installed and warehouse screws could resist the accident loads with 2 or 4 screws missing from a 12-screw ring and that the probability of having multiple screws missing from a single joint was small. IC operability was not impacted by missing screws; and, although the testing analysis contained weaknesses, none of the weaknesses resulted in an unsafe condition with regard to the IC baskets. The installed and warehouse ice basket coupling screws were satisfactory for use.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	ENGINEERING ACTIVITIES Engineering activities reviewed were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	ENGINEERING ACTION FOR REPEAT FAILURE OF H2 IGNITORS The licensee's actions for repeat failures of hydrogen ignitors were considered reasonable. The licensee's evaluation was thorough, and an appropriate consideration for placing the system in A(1) Maintenance Rule status was conducted since performance criteria had been exceeded.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	ENGINEERING ACTIVITIES Engineering activities reviewed were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
07/03/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	ENGINEERING ACTIVITIES Engineering activities reviewed were thorough and technically viable. Plant equipment problems were being addressed commensurate with plant safety.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 4B Sec: 5B Ter:	ENGINEERING EVALUATION The licensee's initial evaluation of measured leakage through a main feed bypass check valve lacked depth in that it did not consider all pertinent design parameters. Engineering expanded the evaluation after being questioned by the inspector and determined the leakage was acceptable.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	ICE CONDENSER BASKET SCREW SAMPLING PROGRAM The Ice Condenser basket screw in-use sampling program was thorough and the testing program was a conservative method of assessing the load capability of the installed ice basket screws.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 5B Sec: 5A Ter:	ICE CONDENSER SELF-ASSESSMENT An Ice Condenser (IC) self-assessment conducted in late-1998 was thorough and identified a number of substantial findings. Also, independent assessments of IC activities were both thorough and frequently conducted.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: ENG Sec: MAINT	NRC	NEG	Pri: 5C Sec: 3C Ter:	CORRECTIVE ACTION PLANS AND MANAGEMENT OVERSIGHT The licensee's review of problems for reportability was adequate and individual Corrective Action Plans were typically thorough. However, a weakness was noted regarding project management oversight, in that, a number of problems could have been prevented with more thorough oversight.
Dockets Discussed: 05000390 Watts Bar 1						
05/03/1999	1999006	Pri: ENG Sec: MAINT	NRC	POS	Pri: 4B Sec: 2A Ter:	ICE CONDENSER LOWER PLENUM FLOOR MOVEMENT PROGRAM The program for monitoring lower plenum floor movement was thorough and assured inlet door operability.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/10/1999	1999002	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	MRC AND PORC ACTIVITIES Timely and thorough support was noted in the areas reviewed, which included emergent issues and other activities such as Management Review Committee and Plant Operations Review Committee meetings. A safety evaluation was thorough and technically adequate.
Dockets Discussed: 05000390 Watts Bar 1						
03/26/1999	1999001-02	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: Ter:	FAILURE TO USE SPRING CHARGING MOTOR INRUSH CURRENT IN BATTERY CALULATION An non-cited violation related to inadequate design control for failure to use spring charging motor inrush current in battery sizing calculation was identified in connection with replacements for obsolete spring charging motors.
Dockets Discussed: 05000390 Watts Bar 1						
03/26/1999	1999001-03	Pri: ENG Sec:	NRC	NCV	Pri: 4B Sec: Ter:	INADEQUATE PROCEDURE FOR EVALUATION OF HEAVY WEIGHT ICE BASKETS An non-cited violation was identified for having an inadequate procedure for evaluation of heavy weight ice baskets
Dockets Discussed: 05000390 Watts Bar 1						
03/26/1999	1999001-01	Pri: ENG Sec: MAINT	NRC	NCV	Pri: 3A Sec: 4C Ter:	FAILURE TO FOLLOW PROCEDURE FOR PROCUREMENT OF REPLACEMENT PARTS Two examples of failure to follow procedure for procurement of replacement parts were identified as a non-cited violation. Special instructions for tagging differential pressure switches were not followed and performance of a specified post installation test to qualify a commercial grade dedicated replacement part was not verified.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Procurement Technical Evaluations The Procurement Engineering Group provided adequate technical evaluations to verify acceptability of substitution for obsolete parts.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Commercial Grade Dedication Program The program implementation for commercial grade dedication was adequate. Technical evaluations for commercial grade dedications identified appropriate component critical characteristics and documented these as acceptance criteria.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/27/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	Engineering Evaluations Engineering personnel effectively contributed to management review committees. Evaluations of equipment problems were thorough and technically viable.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: Ter:	Self-assessment of Replacement Parts Self-assessments of the replacement parts procurement process were adequate.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: ENG Sec:	NRC	POS	Pri: 5C Sec: Ter:	Resolution of Receipt Inspection Discrepancies Resolution of receipt inspection discrepancies was effective, although one example was identified in which the extent of condition review was deficient.
Dockets Discussed: 05000390 Watts Bar 1						
01/29/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	RADIOLOGICAL PROTECTION AND CHEMISTRY CONTROL ACTIVITIES Radiological controls were adequate. Radiological areas were properly posted and high radiation areas were labeled and locked. Personnel were attentive and followed requirements. A thorough brief was noted for a relatively high dose job in the transfer canal and radiological personnel provided thorough oversight of the activities. The licensee provided thorough oversight of chemistry results and limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						
01/29/2000	1999011	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	RADIOLOGICAL ENVIRONMENTAL MONITORING AND METEOROLOGICAL PROGRAMS The licensee had implemented an effective surveillance program for maintaining radioactive effluent monitoring instrumentation and meteorological monitoring instrumentation in an operable status.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: 1C Ter:	STATUS OF SECURITY FACILITIES AND EQUIPMENT The security alarm stations were appropriately equipped, manned, and operated in accordance with commitments and regulatory requirements and were capable of maintaining continuous onsite and offsite communications. The vehicle barrier system was functional, well maintained and met the commitments and regulatory requirements and the licensee was in compliance concerning implementation of compensatory measures that were provided to effectively compensate for loss of security-related equipment.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
12/18/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 1C Ter:	CONDUCT OF RADIOLOGICAL AND CHEMISTRY CONTROL ACTIVITIES Radiological controls were adequate. Radiological areas were properly posted and high radiation areas were labeled. Personnel were attentive and followed requirements. The licensee provided thorough management oversight of chemistry results, and regulatory limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	SECURITY PERSONNEL AND SAFEGUARD PROGRAMS IMPLEMENTATION Security personnel were attentive, followed requirements for access control, and barriers and zones were being adequately maintained and the licensee's Security Training and Qualification Plan met the requirements of 10 CFR 50.54(p).
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 3B Sec: 2B Ter:	EMERGENCY PREPAREDNESS ACTIVITIES The licensee's overall performance in responding to the simulated emergency during the biennial exercise on November 17, 1999, was satisfactory, and the exercise was judged to be a successful demonstration of the licensee's emergency response capabilities.
Dockets Discussed: 05000390 Watts Bar 1						
12/18/1999	1999010	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	QUALITY ASSURANCE IN SECURITY AND SAFEGUARDS ACTIVITIES Licensee audits were thorough, complete, and effective. Audit findings and recommendations were appropriately reviewed, assigned, analyzed, and prioritized for corrective action. Corrective actions were technically adequate and timely. The audit/self-assessment program of the security program was comprehensive.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	RADIOLOGICAL PROTECTION AND CHEMISTRY CONTROLS. Radiological controls were adequate. Radiological areas were properly posted and high radiation areas were labeled and locked. Personnel were attentive and followed requirements. Thorough radiological briefs were noted. The licensee provided thorough oversight of chemistry results and limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						
11/06/1999	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	CHEMISTRY PERSONNEL ACTIVITIES. Chemistry personnel demonstrated a low threshold for use of PERs to evaluate chemistry trends.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/06/1999	1999009	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 4C Ter:	EMERGENCY DRILL AND EXERCISE PERFORMANCE. During an emergency drill, licensee personnel demonstrated good teamwork and developed well thought-out strategies to combat a very challenging scenario. Priorities were appropriately assigned. Emergency classifications were in accordance with procedures and timely. Some examples of incomplete communications were noted; however, these were appropriately identified during the critique by licensee personnel
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	CONTROL OF LIQUID AND GASEOUS EFFLUENTS The licensee was maintaining an effective program for the control of liquid and gaseous radioactive effluents from the plant. The radiation doses from those releases were a small percentage of regulatory limits.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM The licensee has complied with the sampling, analytical and reporting requirements for the radiological environmental monitoring program, the environmental sampling equipment was being well maintained, and the monitoring program was effectively implemented.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	SHIPPING OF RADIOACTIVE MATERIALS The licensee has effectively implemented a program for shipping radioactive materials in accordance with NRC and Department of Transportation regulations.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	TRITIUM PRODUCING BURNABLE ABSORBER ASSEMBLY SHIPMENT The licensee properly monitored and controlled personnel radiation exposure and radiologically controlled areas during the preparation of two tritium producing burnable absorber assemblies (TPBAAs) for shipment. The licensee handled the TPBAAs and prepared the TPBAA cask for shipment in accordance with approved procedures.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	SECURITY COMPENSATORY MEASURES The licensee was in compliance concerning implementation of compensatory measures that were provided to effectively compensate for loss of security-related equipment.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	SECURITY ACTIVITIES Security personnel followed requirements for access control, and problems were not identified with barriers and zones.
Dockets Discussed: 05000390 Watts Bar 1						
09/25/1999	1999008	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	RADIOLOGICAL CONTROLS Radiological controls were adequate. Radiological areas were properly posted and high radiation areas were labeled and locked. Personnel were attentive and followed requirements. The licensee provided thorough management oversight of chemistry results, and regulatory limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	EMERGENCY PLAN DRILL The licensee's performance during a radiological emergency plan drill was acceptable. Strategies to combat the simulated accident were well thought-out and the post-drill debrief was open and self-critical.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	SECURITY ACTIVITIES Security personnel were attentive, followed requirements for access control, and problems were not identified with barriers and zones. Security personnel followed special requirements for heightened security measures during handling of tritium assemblies.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3B Ter:	PERSONNEL RADIATION EXPOSURE CONTROL DURING TPBA A SHIPMENT The licensee properly monitored and controlled personnel radiation exposure during the preparation of two tritium producing burnable absorber assemblies (TPBAAs) for shipment. The licensee also properly prepared the TPBAAs for shipment in accordance with NRC and Department of Transportation requirements for transport of radioactive materials.
Dockets Discussed: 05000390 Watts Bar 1						
08/14/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	RADIOLOGICAL CONTROLS Radiological controls were adequate. Radiological areas were properly posted and high radiation areas were labeled. Personnel were attentive and followed requirements. The licensee provided thorough management oversight of chemistry results, and regulatory limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
07/03/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	RADIOLOGICAL EXPOSURE RECORDS RECONCILIATION Appropriate and effective corrective actions were being taken to resolve problems in the licensee's radiation exposure records systems identified by the Personnel Exposure Records Reconciliation Project.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	EMERGENCY DRILL Good teamwork, well developed strategies, and a self-critical debrief were noted during an emergency drill.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	SECURITY Security personnel performed acceptably, and no problems were noted with barriers and zones.
Dockets Discussed: 05000390 Watts Bar 1						
07/03/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	RADIOLOGICAL CONTROLS Radiological controls were adequate. Personnel were attentive and followed requirements. The licensee provided thorough management oversight of chemistry results and regulatory limits reviewed were met.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 2A Ter:	SECURITY ACTIVITIES Security personnel performed acceptably and barriers and zones were well maintained.
Dockets Discussed: 05000390 Watts Bar 1						
05/22/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	RADIOLOGICAL CONTROLS Radiological controls were adequate. Personnel were attentive and followed requirements. The licensee provided good management oversight of chemistry results and regulatory limits were being met.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/10/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	SHUTDOWN CHEMISTRY The licensee closely monitored primary coolant chemistry during the shutdown for the Unit 1 Cycle 2 refueling outage. The shutdown chemistry control plan was effective in radiation-field reduction by removing radioactive materials from the internal surfaces of the reactor coolant system components; however, the target activity level for clean-up of the coolant was not achieved.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	SECURITY Security personnel performed acceptably and special precautions for handling of tritium assemblies were performed in accordance with procedures.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 1C Ter: 3C	OUTAGE EXPOSURE CONTROLS The licensee properly monitored and controlled personnel radiation exposure during the Unit 1 Cycle 2 refueling outage and posted area radiological conditions in accordance with 10 CFR Part 20. Personnel entering the radiologically controlled area were adequately briefed on radiological hazards and protective measures. Maximum individual radiation exposures were controlled to levels which were well within the regulatory limits for occupational dose specified in 10 CFR 20.1201(a). The licensee was successful in meeting established as low as reasonably achievable goals, except for fiscal year 1996. The annual collective dose of 3.0 man-rem for calendar year 1998 was a record low for domestic commercial power reactors.
Dockets Discussed: 05000390 Watts Bar 1						
04/10/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	RADIOLOGICAL CONTROLS Radiological controls were adequate. Personnel were attentive and followed requirements. The outage activities observed were performed well with good emphasis on as low as reasonably achievable (ALARA) and contamination control. Briefings were adequate and technicians showed good awareness of conditions.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radioactive Effluent Monitoring An effective program had been implemented for maintaining radioactive effluent monitoring instrumentation in an operable condition and for performing the required surveillances to demonstrate their operability.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Meteorological Monitoring Instrumentation The surveillance requirements for demonstrating operability of the meteorological monitoring instrumentation were met and the performance with respect to collection of meteorological data improved during the fourth quarter of 1998.
Dockets Discussed: 05000390 Watts Bar 1						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Control Room Emergency Ventilation System The material condition of the control room emergency ventilation system was well maintained and the surveillances for demonstrating operability of the systems were being performed as required.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: Ter:	Security Performance Security personnel performed acceptably and barriers and zones were well maintained.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	Radiological Controls Radiological controls were adequate. Personnel were attentive and followed requirements. Good management oversight of chemistry results was provided, and regulatory requirements were being met.
Dockets Discussed: 05000390 Watts Bar 1						
02/27/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	Radiological Controls in Fuel Transfer Canal Radiological controls were well planned and strictly adhered to during entry into the fuel transfer canal for equipment inspection and periodic maintenance. Extra personnel and equipment were staged for personnel safety.
Dockets Discussed: 05000390 Watts Bar 1						

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Legend

Type Codes:

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

Template Codes:

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

ID Codes:

NRC	NRC
Self	Self-Revealed
Licensee	Licensee

Functional Areas:

OPS	Operations
MAINT	Maintenance
ENG	Engineering
PLTSUP	Plant Support
OTHER	Other

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

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