

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Region II
CATAWBA

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/01/2000	1999008	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: Ter:	Post-Trip Response Based on a review of control room activities and plant parameters following the December 30, 1999, reactor trip, the inspectors concluded that control room operators handled this event well and the plant responded as expected. The trip was not caused by a computer-related problem associated with the transition to Year 2000. (Section O2.1; [POS - 1B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: 5B Ter:	IMPLEMENTATION OF PLANT PROCEDURES AND TS Licensed operators did not properly implement plant procedures and Technical Specification requirements associated with removing the 1B emergency diesel generator (and hence the 2B emergency diesel generator) from service. Similar operator performance weaknesses have been noted in the past related to removing Technical Specification equipment from service. These human performance weaknesses have not been developed in the licensee's root cause determinations for the associated reportable events. (Section O8.1; [NEG - 1A, 5B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 2A Ter: 2B	COLD WEATHER PREPARATIONS The licensee's preparations for cold weather were initiated in a timely manner and in accordance with their administrative program. (Section O2.1; [POS - 1C, 2A, 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007-01	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: Ter:	Failure to Perform SR 3.8.1.1 Within One Hour of the 2B EDG Being Inoperable (Section O8.1) A non-cited violation was identified for failure to verify correct breaker alignment and indicated power availability for each offsite circuit required by Technical Specification 3.8.1 with the 2B emergency diesel generator inoperable on July 27, 1999. (Section O8.1; [NCV - 1A])
Dockets Discussed: 05000414 Catawba 2						
10/09/1999	1999006	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	PLANT OPERATIONS Plant operations were conducted with the appropriate focus on safety and proper compliance with the licensee's program requirements. (Section O1.1; [POS - 1A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
09/24/1999	1999302	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	OPERATOR LICENSING The submitted retake operating test met the requirements of NUREG-1021.
Dockets Discussed: 05000413 Catawba 1						

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08/28/1999	1999005	Pri: OPS Sec:	NRC	POS	Pri: 5A Sec: Ter:	Nuclear Safety Review Board Nuclear Safety Review Board members asked probing questions that were appropriately focused on nuclear safety and compliance with regulatory requirements. (Section O7.1; [POS - 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-08	Pri: OPS Sec:	NRC	NCV	Pri: 5A Sec: Ter:	Failure to Submit NRC Notification in the Time Required The licensee's one-hour event notification of a Unit 2 forced shutdown in accordance with technical specifications was provided seven hours after the unit shutdown was initiated. As a result, a non-cited violation was issued for failure to submit the NRC notification in the time required. (Section E8.5; [NCV - 5A])
Dockets Discussed: 05000414 Catawba 2						
07/22/1999	01013-99094	Pri: OPS Sec:	Licensee	VIO III	Pri: 3A Sec: Ter:	Failure to Comply with Technical Specification 3.7.13 with the Standby Shutdown System Inoperable for Nea On July 12, 1999, a predecisional enforcement conference regarding EA Case Number 99-094 was held in the regional office with the licensee in attendance. At this conference, Apparent Violation (EEI) 50-413,414/99-10-01, involving the inoperability of the standby shutdown system, was discussed.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: OPS Sec:	NRC	NEG	Pri: 5B Sec: Ter:	Technical Specification Action Item Log Entries The NRC identified a non-cited violation for failing to properly make Technical Specification Action Item Log entries when four channels of reactor coolant system average temperature instrumentation were inoperable during refueling outages from 1995 to 1997. Operations performance was inadequate to prevent Technical Specification 3.0.3 conditions during cross-calibrations of the four channels. The licensee's root cause for the TS 3.0.3 entries did not address the operator performance issues. (Section M8.2; [NCV - 1A; NEG - 5B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: OPS Sec:	NRC	NOED	Pri: 2A Sec: 4C Ter:	Notice of Enforcement Discretion A Notice of Enforcement Discretion was granted to allow replacement of the failed 1B chemical and volume control system centrifugal charging pump on June 10, 1999. (Section O1.2; [NOED - 2A, 4C])
Dockets Discussed: 05000413 Catawba 1						
07/17/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Operator Performance Operators took appropriate actions following failure of the 1B charging pump to ensure that the plant was stabilized. (Section O1.2; [POS - 1A])
Dockets Discussed: 05000413 Catawba 1						

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07/17/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 1C Ter: 2A	FLOODING EVENT MITIGATION The licensee had appropriate procedures, plant systems and equipment, and control room indications available to aid in the detection and mitigation of flooding events. Drains, sumps, and associated equipment were in good material condition. The Catawba station was properly addressing potential generic implications from a March 1999 auxiliary feedwater pump room flood event at the McGuire Nuclear Station. (Section O2.2; [POS - 1A, 1C, 2A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 2A Ter:	MATERIAL CONDITIONS Walkdowns of the Unit 1 residual heat removal system found: valves, breakers, switches and controllers appropriately positioned; associated instrumentation properly functioning; and, with minor exceptions, components properly labeled. Material condition and general housekeeping were good, with the exception of the residual heat removal heat exchanger rooms. (Section O2.1; [POS - 1A, 2A])
Dockets Discussed: 05000413 Catawba 1						
07/17/1999	1999004-04	Pri: OPS Sec:	Licensee	NCV	Pri: 1A Sec: 2B Ter:	Non-Compliance With TS 3.4.7 due to Inoperable RHR Train A non-cited violation was identified regarding a non-compliance with Technical Specification 3.4.7 due to an inadequate work sequence that rendered a residual heat removal train inoperable while in Mode 5. (Section O8.1; [NCV - 1A, 2B])
Dockets Discussed: 05000413 Catawba 1						
07/17/1999	1999004-07	Pri: OPS Sec:	NRC	NCV	Pri: 1A Sec: Ter:	Failure to Make Technical Specification Action Item Log Entries for Inoperable Tavg Protective Channels The NRC identified a non-cited violation for failing to properly make Technical Specification Action Item Log entries when four channels of reactor coolant system average temperature instrumentation were inoperable during refueling outages from 1995 to 1997. Operations performance was inadequate to prevent Technical Specification 3.0.3 conditions during cross-calibrations of the four channels. The licensee's root cause for the TS 3.0.3 entries did not address the operator performance issues. (Section M8.2; [NCV - 1A; NEG - 5B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/11/1999	1999301	Pri: OPS Sec:	NRC	POS	Pri: 3B Sec: Ter:	OPERATOR LICENSING The final submitted written examination and operating tests met the requirements of NUREG-1021, Revision 8. This was the licensee's second time at development of the NRC administered examination. The examination was developed in accordance with NUREG 1021, Revision 8. During discussions with the facility, test item modifications were made to question stems or distractors. The number and type of corrections to the examination were consistent for the facility's effort at examination development. (Section O5.1)
Dockets Discussed: 05000413 Catawba 1						
06/11/1999	1999301	Pri: OPS Sec:	NRC	WK	Pri: 3B Sec: Ter:	OPERATOR LICENSING Weaknesses on the operating test were noted in the areas of starting reactor coolant pumps, diesel generator operations, using P&IDs to identify isolation boundaries and determining postings in radiation/high radiation areas. (Section O5.1)
Dockets Discussed: 05000413 Catawba 1						

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06/05/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 1B Ter: 2A	OPERATIONS PERFORMANCE Several operational activities, including a response to a full turbine-generator load rejection event; reactor shutdown and startup operations; reactor coolant system reduced inventory and midloop draining evolutions; and refueling activities, were generally characterized by safety-conscious operations, proper adherence to procedures, and reliable equipment performance. For both reactor coolant system draindown evolutions, the inspectors observed effective controls and clear communications. (Section O1.2; [1A, 1B, 2A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003	Pri: OPS Sec:	NRC	POS	Pri: 1B Sec: 2A Ter:	TRANSIENT RESPONSE Following the Unit 2 main generator breaker motor-operated disconnect failure and full turbine load rejection event on May 3, 1999, generator protective relays responded in accordance with their design. The primary and secondary system plant equipment functioned properly, and the licensee's transient review of affected equipment and plant performance during and following the 100 percent turbine-generator load rejection was adequate. Operator actions to restore control rods above rod insertion limits were performed promptly and in accordance with plant procedures and Technical Specification requirements. (Section O1.4; [1B, 2A - POS])
Dockets Discussed: 05000414 Catawba 2						
06/05/1999	1999003-01	Pri: OPS Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Failure to Satisfy TS Surveillance Requirement 4.5.3.2 by Verifying Only One CCP or One Safety Injection Pur A non-cited violation was identified for failing to properly implement Technical Specification surveillance requirements for verifying only one centrifugal charging pump or one safety injection pump operable during low temperature overpressure protection conditions. This resulted from a licensee-identified Technical Specification conflict that had existed since both units were licensed. (Section O8.1; [2B, 4C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003-02	Pri: OPS Sec:	Licensee	NCV	Pri: 5B Sec: 5C Ter:	Failure to Take Prompt Corrective Actions to Resolve TS Conflict Regarding LTOP Pump Operability Requirer A non-cited violation was identified for the licensee's failure to promptly identify and correct a Technical Specification conflict regarding emergency core cooling pump operability requirements during low temperature overpressure protection conditions. The licensee had an opportunity in 1988 to resolve the discrepancy when it switched its philosophy for Technical Specification 3.5.3 adherence from that of complying with the associated surveillance requirement to complying with a conflicting footnote in the limiting condition for operation. (Section O8.1; [5B, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
05/10/1999	1999-006-00	Pri: OPS Sec:	Licensee	LER	Pri: 2A Sec: 3A Ter:	Control Room Ventilation System Inoperable due to Spurious Closure of Intakes Resulting in an Entry into TS Unit 1 and Unit 2 entered Technical Specification 3.0.3 twice when both trains of the control room area ventilation system intake valves closed. The repetitive spurious closures of control room ventilation intake valves raised concerns about chlorine detector reliability and maintenance and troubleshooting practices. (Section O1.2; [2A, 3A - LER]) [IR 1999 -002]
Dockets Discussed: 05000413 Catawba 1						
04/24/1999	1999002	Pri: OPS Sec:	NRC	NEG	Pri: 1A Sec: Ter:	CONTROL ROOM OPERATOR PERFORMANCE Control room operators missed several opportunities to identify the fact that refueling water storage tank level instrumentation channels were inoperable and inappropriately placed in the tripped condition. In two cases, this discrepant condition was not detected during routine main control board walkdowns performed coincident with several shift turnovers. (Section E8.1; [1A - NEG])
Dockets Discussed: 05000413 Catawba 1						

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04/24/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	LICENSEE CORRECTIVE ACTIONS The licensee responded to multiple spurious component actuations with the appropriate focus on plant safety. Root cause investigations were still ongoing at the end of the inspection period for the spurious chlorine detector alarms and related control room air intake isolations. (Section O1.2; [1A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: 5A Ter:	LICENSEE CORRECTIVE ACTIONS Upon discovery of the mispositioned breakers, licensee personnel promptly restored the Standby Shutdown System to operable status and made appropriate notifications to the NRC in the time period required. (Section O2.1; [1A, 5A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	PROCEDURES FOR OPERATING STANDBY SHUTDOWN SYSTEM The licensee's procedures for operating the Standby Shutdown System during certain flood, power, fire, and security events were adequate to maintain equipment protection and perform their intended functions. Only minor enhancements were needed. Licensee personnel interviewed were knowledgeable of these procedures and how to implement them. (Section O3.1; [1C, 3B - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999010	Pri: OPS Sec:	NRC	POS	Pri: 5B Sec: Ter:	ROOT CAUSE EVALUATION The licensee's root cause evaluation provided in Licensee Event Report (LER) 50-413/98-19 sufficiently developed human performance issues that resulted in the mispositioned Standby Shutdown System breakers. The licensee adequately addressed possible contributing factors in its corrective action program. (Section O8.1; [5B - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	RESPONSE TO TWO REPORTABLE EVENTS The licensee's response to two reportable events was appropriate. The plant was maintained in a safe condition and the NRC was notified in accordance with 10 Code of Federal Regulations (CFR) Part 50.72 requirements. (Section O1.2; [1A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: MAINT Sec:	Licensee	NOED	Pri: 1C Sec: 2A Ter: 4C	EMERGENCY DIESEL GENERATOR 1B TEST FAILURES Emergency diesel generator 1B experienced successive test failures following maintenance on November 16, 1999. To allow further troubleshooting and repair efforts to continue with Unit 1 operating in Mode 1, the NRC granted a Notice of Enforcement Discretion on November 19, 1999, prior to the end of the Technical Specification allowed outage time. (Section M2.1; [NOED - 1C, 2A, 4C])
Dockets Discussed: 05000413 Catawba 1						

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11/20/1999	1999007	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	INSERVICE INSPECTION PROCEDURES Inservice inspection procedures and documentation met the requirements of applicable codes and regulations. (Section M3.1; [POS - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007-02	Pri: MAINT Sec:	NRC	URI	Pri: 1A Sec: 2A Ter: 3A	1B EDG Inoperability Due to Successive Test Failures Following Maintenance - NOED 99-2-003 As a result of the failures of the 1B emergency diesel generator during the week of November 15, 1999, several concerns were identified related to: procedural adherence during heim joint replacement, the common-mode failure determination process for the 1A diesel generator, and Technical Specification 3.7.8 compliance related to the B train nuclear service water system and the 2B emergency diesel generator. An unresolved item was opened to track the followup of these items. (Section M2.1; [URI - 1A, 2A, 3A])
Dockets Discussed: 05000413 Catawba 1						
11/20/1999	1999007-03	Pri: MAINT Sec:	NRC	NCV	Pri: 3A Sec: 3B Ter: 5B	Operation in Mode 1 with VA System Inoperable for 15 Hours Due to 1B NV Pump Room Door Being Blocked The NRC identified a non-cited violation concerning continued Unit 1 operation in Mode 1 with the auxiliary building filtered ventilation exhaust system inoperable for 15 hours due to the 1B charging pump room door being blocked open. The licensee event report documenting this violation contained errors related to the time the system was inoperable. (Section M8.1; [NCV - 3A, 3B, 5B])
Dockets Discussed: 05000413 Catawba 1						
11/20/1999	1999007-04	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4B Ter: 5B	Failure to Have Adequate Procedures for Conducting TS Surveillance Requirements for Manual Containment P A non-cited violation was identified for having inadequate procedures to conduct Technical Specification surveillance testing of the overpower delta temperature circuitry and the containment isolation Phase B signal actuation of the manual purge and exhaust isolation function. These issues were initially identified by the licensee in 1996, but they failed to recognize them as Technical Specification violations until 1999. (Section M8.2; [NCV - 2B, 4B, 5B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007-05	Pri: MAINT Sec:	Licensee	NCV	Pri: 4C Sec: 5A Ter: 5C	Failure to Take Corrective Actions to Revise Inappropriate TS Requirements - Two Examples A non-cited violation with two examples was identified for failing to take adequate corrective actions to resolve Technical Specification surveillance requirement discrepancies. The first example related to a requirement to manually actuate the auxiliary building filtered ventilation exhaust system when it can only be actuated automatically. (Section M8.2; [NCV - 4C, 5A, 5C]) The second example involved a failure to request an amendment to Technical Specification Surveillance Requirement 3.6.16.2 to correct the acceptance criteria for the containment annulus drawdown time in a timely manner. (Section E8.3; [NCV - 4C, 5A, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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10/09/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: 3A Ter:	PERFORMANCE OF MAINTENANCE ACTIVITIES Maintenance activities were conducted in accordance with procedures and in accordance with maintenance rule and in-service testing program requirements. (Section M1.1; [POS - 2B, 3A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-01	Pri: MAINT Sec:	Licensee	NCV	Pri: 3A Sec: Ter:	Failure to Follow Procedure Governing AFW Pump Motor Maintenance A non-cited violation was identified for failure to follow maintenance procedures, requiring maintenance technicians to fill the 1A auxiliary feedwater pump motor bearing housing to the correct capacity in accordance with information in the vendor manual. This caused a failure of the 1A auxiliary feedwater pump motor inboard bearing during post-maintenance testing. (Section M1.2; [NCV - 3A])
Dockets Discussed: 05000413 Catawba 1						
08/28/1999	1999005-02	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Failure to Perform Ice Condenser Lower Inlet Plenum and Turning Vane Inspections per TS Requirements A non-cited violation was identified concerning a failure to perform ice condenser lower inlet plenum and turning vane inspections per Technical Specification requirements. (Section M8.1; [NCV - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-03	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Inadequate ESFAS Procedures Result in Missed TS Surveillance A NCV was identified concerning inadequate engineered safety features actuation system response time test procedures that resulted in missed Technical Specification required surveillance of the reactor trip function from safety injection on containment pressure - high and pressurizer pressure - low. (Section M8.2; [NCV - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-04	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Inadequate VX System Test Procedures A non-cited violation was identified concerning inadequacies in hydrogen skimmer system response time test procedures. (Section M8.3; [NCV - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-05	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Missed Turbine Trip - Reactor Trip Testing Required by TS 3.3.1.15 A non-cited violation was identified concerning a failure to perform turbine trip - reactor trip testing required by Technical Specification 3.3.1.15. (Section M8.4; [NCV - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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08/28/1999	1999005-10	Pri: MAINT Sec:	Licensee	NCV	Pri: 2A Sec: 2B Ter: 5C	Failure to Identify and Correct Significant Ice Condenser Flow Blockage On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1						
08/28/1999	1999005-11	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: 2B Ter:	Inadequate Ice Condenser Debris Visual Inspection (Section X2) On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-12	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: 2B Ter:	Failure to Maintain Ice Condenser Inlet Doors Operable On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-13	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: 2B Ter: 5C	Failure to Identify and Correct Ice Basket Deformation On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-14	Pri: MAINT Sec:	NRC	NCV	Pri: 2A Sec: 2B Ter: 3A	Failure to Properly Install Ice Condenser Deck Door Bolting and Hardware On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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07/17/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Maintenance and Surveillance Programs The licensee's maintenance and surveillance programs for the residual heat removal system appears to be properly focused on surveillance testing and preventive maintenance to establish and maintain equipment operability, rather than reacting with corrective maintenance in response to equipment failures. (Section O2.1; [POS - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Inservice Testing Procedures Review of completed inservice testing procedures for the Unit 1 residual heat removal system pumps and selected valves revealed that the test procedures had been performed satisfactorily, properly documented, and met applicable upper tier component test performance requirements. (Section O2.1; [POS - 2B])
Dockets Discussed: 05000413 Catawba 1						
07/17/1999	1999004	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Residual Heat Removal Surveillance Procedures A limited review of other residual heat removal surveillance procedures found them to be well written and appropriate for implementing the applicable surveillance requirements. (Section O2.1; [POS - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: MAINT Sec:	Licensee	POS	Pri: 5A Sec: Ter:	Inadequate Surveillance Testing A non-cited violation was identified regarding inadequate surveillance testing of residual heat removal system valve response times due to incorrect acceptance criteria in test procedures. (Section M8.1; [NCV - 2B; POS - 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004-02	Pri: MAINT Sec:	NRC	NCV	Pri: 2B Sec: Ter:	TS 3.5.2.2 Non-Compliance Due to Failure of Surveillance Procedure to Require Position Verification of Valves The NRC identified a non-cited violation concerning a non-compliance with Technical Specification Surveillance Requirement 3.5.2.2 due to a failure of the associated surveillance procedure to require position verification of valves ND27 and ND61 every 31 days. (Section O2.1; [NCV - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004-05	Pri: MAINT Sec:	NRC	NCV	Pri: 3C Sec: 5A Ter:	Failure to Comply With Overtime Requirements Specified in TS 5.2.2.e. A non-cited violation, with two examples, was identified regarding a non-compliance with Technical Specification 5.2.2.e, for failure to comply with overtime control requirements. (Section O8.2; [NCV - 3C, 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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07/17/1999	1999004-06	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: Ter:	Inadequate Surveillance Testing of ESF Response Times Caused by Deficient Test Procedures A non-cited violation was identified regarding inadequate surveillance testing of residual heat removal system valve response times due to incorrect acceptance criteria in test procedures. (Section M8.1; [NCV - 2B; POS - 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003-04	Pri: MAINT Sec:	Licensee	NCV	Pri: 1C Sec: Ter:	Operation Outside TS Regarding Analyzing Grab Samples at an Incorrect Lower Limit of Detection A non-cited violation was identified regarding operation outside Technical Specifications with respect to analyzing grab samples at an incorrect lower limit of detection. (Section M8.4; [1C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003-05	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: 4C Ter:	Failure to Test the Auxiliary Building Filtered Exhaust System in Accordance with TS 4.7.7d.3 A non-cited violation was identified for failure to test the auxiliary building filtered exhaust system in accordance with Technical Specification 4.7.7d.3. (Section M8.5; [2B, 4C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999002-02	Pri: MAINT Sec:	Licensee	NCV	Pri: 4C Sec: 5C Ter:	Failure to Take Corrective Actions to Revise TS Requirements for CRAVS Actuation Logic Testing A non-cited violation was identified for the licensee's failure to take adequate corrective actions to resolve a Technical Specification discrepancy involving operational mode requirements for the control room ventilation system actuation logic. (Section M8.1; [4C, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: 5C Ter:	Leaking Residual Heat Removal System Valve The licensee's initial response to address a leaking residual heat removal system valve was neither thorough nor timely to prevent the potential spread of contamination, evaluate dose implications, and ensure that valve and system operability were not adversely affected. (Section M2.2; [2A, 5C - NEG])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	Licensee	NEG	Pri: 2B Sec: Ter:	Failure to Test Auxiliary Building Ventilation A non-cited violation was identified concerning a failure to test auxiliary building ventilation per Technical Specification 4.7.7.d.1. (Section M8.13; [2B - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1						

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03/13/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 2B	Improved Technical Specifications After converting to improved Technical Specifications, the licensee continued to identify surveillance test procedures that do not correctly reference Technical Specification surveillance requirements. This raised concerns about the effectiveness and timeliness of reviews associated with the licensee's earlier improved Technical Specification review project. The most recently identified discrepancies involved engineered safety features response time testing of components in the hydrogen skimmer system and valves associated with the residual heat removal heat exchangers. (Section M1.2; [2B - NEG])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	Licensee	NEG	Pri: 3A	1998 Non-compliance with Technical Specification 3.3.1 A non-cited violation was identified concerning a 1998 non-compliance with Technical Specification 3.3.1 due to a mispositioned thumbwheel that caused Channel 4 of the overtemperature delta temperature and overpower delta temperature reactor trip functions to be inoperable in excess of the Technical Specification allowed outage time. (Section M8.1; [3A - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 3A	Failure to Comply With Nuclear System Directive 704 A non-cited violation was identified concerning the failure to comply with Nuclear System Directive 704 during control room ventilation maintenance work. (Section M8.7; [3A-NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	Licensee	NEG	Pri: 4B	Failure to Monitor the Waste Gas System A non-cited violation was identified concerning the failure to monitor the waste gas system per Technical Specifications. (Section M8.14; [4B - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1						
03/13/1999	1999001	Pri: MAINT Sec:	NRC	NEG	Pri: 5B	Licensee Corrective Actions The licensee did not develop the human performance aspects of technicians performing actions outside of approved plant procedures in its root cause determination for the mis-positioned delta-T/T-average card thumbwheel that rendered Channel 4 of overpower and overtemperature delta temperature trip functions inoperable. (Section M8.1; [5B - NEG]) The licensee had dissenting comments.
Dockets Discussed: 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	NRC	NOED	Pri: 2B	Notice of Enforcement Discretion The licensee requested and was granted a Notice of Enforcement Discretion for non-compliance with Technical Specifications 3.3.7 and 3.3.8 on March 11, 1999. An unresolved item was opened to review testing requirements for lower-tier logic in the control room area ventilation system, as well as previous opportunities for the licensee to identify or preclude the Technical Specification non-compliances. (Section M3.1; [2B - ED])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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03/13/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: Ter:	Residual Heat Removal System Relief Valve The licensee recognized that an outstanding residual heat removal system relief valve leakage problem, initially identified on January 25, 1999, had not been adequately addressed one month later and took actions to determine the leakage contribution to onsite and offsite dose calculations and the impact of the leakage to the valve and system operability. (Section M2.2; [5A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: Ter:	Questioning Attitude The licensee demonstrated a good questioning attitude regarding operation and testing of the control room area ventilation system and auxiliary building filtered ventilation exhaust system during its Plant Operations Review Committee meeting prior to submitting a Notice of Enforcement Discretion request. (Section M3.1; [5A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001-03	Pri: MAINT Sec:	Licensee	NCV	Pri: 5A Sec: 5C Ter:	TS 3.3.1 Non-Compliance Due To OTDT And OPDT Reactor Trip Functions Inoperable In Excess Of Action Stat A non-cited violation was identified concerning a 1998 non-compliance with Technical Specification 3.3.1 due to a mispositioned thumbwheel that caused Channel 4 of the overtemperature delta temperature and overpower delta temperature reactor trip functions to be inoperable in excess of the Technical Specification allowed outage time. (Section M8.1; [3A - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000414 Catawba 2						
03/13/1999	1999001-04	Pri: MAINT Sec:	Licensee	NCV	Pri: 4B Sec: Ter:	Failure to Conduct an Adequate 10 CFR 50.59 Safety Evaluation for the End-of-Cycle Moderator Temperature (An inspector-identified non-cited violation was issued for a 10 CFR Part 50.59 safety evaluation that failed to adequately address the potential for an unreviewed safety question or Technical Specification implications associated with the end-of-cycle moderator temperature coefficient measurement. (Section M8.2; [4B - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001-05	Pri: MAINT Sec:	Licensee	NCV	Pri: 5A Sec: 5C Ter:	Failure to Comply with Nuclear Site Directive 704 During Control Room Ventilation Maintenance Work A non-cited violation was identified concerning the failure to comply with Nuclear System Directive 704 during control room ventilation maintenance work. (Section M8.7; [3A-NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1						
03/13/1999	1999001-06	Pri: MAINT Sec:	Licensee	NCV	Pri: 5A Sec: 5C Ter:	Failure to Test Auxiliary Building Ventilation per Technical Specification 4.7.7.d.1 A non-cited violation was identified concerning a failure to test auxiliary building ventilation per Technical Specification 4.7.7.d.1. (Section M8.13; [2B - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1						

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03/13/1999	1999001-07	Pri: MAINT Sec:	Licensee	NCV	Pri: 5A Sec: 5C Ter:	Failure to Monitor the Waste Gas System per Technical Specification 3.11.2.1 A non-cited violation was identified concerning the failure to monitor the waste gas system per Technical Specifications. (Section M8.14; [4B - NEG; 5A, 5C - NCV])
Dockets Discussed: 05000413 Catawba 1						
01/01/2000	1999008-01	Pri: ENG Sec:	Licensee	NCV	Pri: 4A Sec: Ter:	Ventilation System Changes Introduce a Potential Adverse System Interaction With the Annulus Ventilation S A non-cited violation was identified for a 1989 modification that would have caused the annulus ventilation system to be unable to perform its design function as described in the Updated Final Safety Analysis Report under certain conditions. (Section E8.1; [NCV - 4A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
01/01/2000	1999008-02	Pri: ENG Sec:	Licensee	NCV	Pri: 2B Sec: Ter:	Failure to Properly Verify CRAVS Train Operability as Required by TS 3.7.10.3 Due to Inadequate Procedure A non-cited violation was identified for an inadequate surveillance procedure which failed to properly verify operability of the control room area ventilation system. (Section E8.3; [NCV - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: ENG Sec:	NRC	MISC	Pri: 1C Sec: 4A Ter: 5C	Followup on Draindown During Shutdown and Common Mode Failure (TI 2515/142) Catawba Unit 1 and Unit 2 designs make each unit susceptible to a reactor coolant system draindown/loss of emergency core cooling system pump common suction header event. However, established administrative controls and corrective actions from a previous draindown event are in place to prevent such an incident from occurring. (Section E8.2; [MISC -1C, 4A, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: ENG Sec:	NRC	MISC	Pri: 2B Sec: 4C Ter:	Licensee's Exclusion of Safety-Related Pumps From In-Service Testing Program The licensee's exclusion of safety-related sump pumps from the in-service testing program was determined not to be a violation of NRC requirements. These pumps were conservatively classified as Quality Class C (American Society of Mechanical Engineers Class 3) components by the licensee. (Section E8.1; [MISC - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007-06	Pri: ENG Sec:	Licensee	NCV	Pri: 4A Sec: 5A Ter:	Failure to Install ECCS Interlock Caused Plant to be Outside the Design Basis A non-cited violation was identified for failure to install an interlock on the containment spray and residual heat removal sump pumps as described in the Updated Final Safety Analysis Report. (Section E8.4; [NCV - 4A, 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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11/20/1999	1999007-07	Pri: ENG Sec:	Licensee	NCV	Pri: 2A Sec: 4C Ter: 5C	Inoperable Train B CVIWS During Fuel Cycle 11 A non-cited violation was identified for inadequate testing of a containment valve injection water system valve which resulted in Train B of the Unit 1 system being inoperable for approximately 18 months. (Section E8.5; [NCV - 2A, 4C, 5C])
Dockets Discussed: 05000413 Catawba 1						
10/09/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	ENGINEERING RESOLUTION OF EDG BATTERY DEGRADED VOLTAGE CONDITION Once the appropriate personnel became aware of a degraded voltage condition involving two of the 1A emergency diesel generator's battery cells, engineering involvement in pursuing the resolution of the degraded condition was effective. (Section E2.1; [POS - 4B])
Dockets Discussed: 05000413 Catawba 1						
09/03/1999	1999003-07	Pri: ENG Sec:	Licensee	NCV	Pri: 2B Sec: Ter:	Inadequate PMT Work Instruction for CIVs A non-cited violation was identified regarding inadequate work instructions for post- maintenance testing of containment isolation valves. (Section E8.4; [2B - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 2B Sec: Ter:	Testing of Safety-Related Logic Circuits Based on a review of three circuits, the inspector concluded that safety-related logic circuits were presently being tested in accordance with Generic Letter 96-01, Testing of Safety-Related Logic Circuits. (Section E1.1; [POS - 2B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: Ter:	Revision 7 of the Catawba Updated Final Safety Analysis Report Revision 7 of the Catawba Updated Final Safety Analysis Report complied with the provisions of Title 10 of the Code of Federal Regulations Section 50.71. (Section E3.1; [POS - 4A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-06	Pri: ENG Sec:	Licensee	NCV	Pri: 2A Sec: 5C Ter:	Inadequate Corrective Actions, Two Examples: CAPT Failed Relay and Control Room Chiller Degradation A non-cited violation was identified for two examples of inadequate corrective action. These examples involved a failed relay on the turbine driven auxiliary feedwater pump and degradation in the control room chillers. (Sections E8.2, E8.3; [NCV - 2A, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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08/28/1999	1999005-07	Pri: ENG Sec:	Licensee	NCV	Pri: 2A Sec: 5C Ter:	Inadequate Corrective Action to Identify Degraded Service Water Supply Piping to Auxiliary Feedwater Pump A non-cited violation was identified for inadequate corrective action with respect to identifying degraded service water supply piping to auxiliary feedwater pumps. (Section E8.5; [NCV - 2A, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-09	Pri: ENG Sec:	NRC	NCV	Pri: 2B Sec: 4C Ter:	Inadequate TS Surveillance 4.8.1.1.2 (g)(4) Testing for Logic Relays in the EDG Start Circuit A non-cited violation was identified for inadequate Technical Specification Surveillance Requirement 4.8.1.1.2 (g) (4) testing for logic relays in the emergency diesel generator start circuit. (Section E1.1; [NCV - 2B, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005-15	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: Ter:	Inadequate Design Control On July 20, 1999, a predecisional enforcement conference regarding EA case number 98-477 was held in the regional office with the licensee in attendance. At this conference, Apparent Violations (EEl)s involving inoperability of and degraded conditions associated with the Unit 1 and Unit 2 ice condensers were discussed. (EEI 50-413/99-11-01, EEI 50-414/98-16-01, EEI 50-414/98-16-03, EEI 50-414/98-16-04, EEI 50-413/98-13-01, EEI 50-413/98-13-03, EEI 50-413/98-13-05, EEI 50-413,414/98-13-07, EEI 50-413,414/98-13-08) On August 2, 1999, these EEl)s were dispositioned as six NCVs.
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: ENG Sec:	NRC	NEG	Pri: 4A Sec: Ter:	Analysis to Support Design Changes Two instances were noted where there was a lack of documented analysis to support design changes. (Section E2.2; [NEG - 4A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4A Sec: 4C Ter:	Design Changes and Modifications Design changes and modifications reviewed were implemented in accordance with regulatory guidance. The design and licensing bases were appropriately updated to reflect plant changes. (Section E2.2; [POS - 4A, 4C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Management of Engineering Work and Control of Work Backlogs The licensee demonstrated good management of engineering work and control of work backlogs. Substantial improvements in this area had been made in 1999 and more were planned. (Section E2.3; [POS - 4B])
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07/17/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5B Ter:	Analysis and Resolution of Technical Issues Engineering involvement in the analysis and resolution of technical issues was generally effective. Analyses of technical issues and evaluations of operability demonstrated an appropriate understanding of plant design. (Section E2.1; [POS - 4B, 5B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: Ter:	Licensee Audits and Assessments The quantity and quality of licensee audits and assessments of engineering activities during the last year were good. The audits and assessments identified many deficient conditions which were appropriately entered into the corrective action system and also identified many recommended improvements. (Section E7.1; [POS - 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: ENG Sec:	NRC	POS	Pri: 5A Sec: 5C Ter:	Operating Experience Program Reviewed industry-related residual heat removal issues were properly captured under the Duke corporate industry operating experience program, with associated corrective actions effectively implemented. The use of forms similar to a problem identification process report for tracking these issues to completion was considered a strength of the Duke industry operating experience program. (Section O2.1; [POS - 5A, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004-08	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: Ter:	Failure to Update FSAR to Reflect the Iodine Removal Function of the VA System A non-cited violation was identified regarding a failure to update the Final Safety Analysis Report to reflect the iodine removal function of the auxiliary building ventilation. (Section E8.1; [NCV - 4A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003	Pri: ENG Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Material Condition Engineering demonstrated effective plant technical support related to the identification, investigation, and resolution of the degraded safety-related assured water supply for the auxiliary feedwater pumps in May 1999. (Section E2.1; [4B, 5A, 5C - POS; 2A - NEG])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Annual Summary on 10 CFR 50.59 Changes Based on in-office review of the licensee's April 1, 1999, annual summary on 10 CFR 50.59 changes, onsite review of select 10 CFR 50.59 evaluations, and audit of the licensee's procedures, the inspector concluded that the licensee complied with the provisions of this regulation for the changes listed in the annual summary report. The inspector also found the licensee's summary report for 1998 changes concise, informative, and accurate. (Section E3.1; [4B - POS])
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06/05/1999	1999003	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: 5A Ter: 5C	Plant Technical Support Engineering demonstrated effective plant technical support related to the identification, investigation, and resolution of the degraded safety-related assured water supply for the auxiliary feedwater pumps in May 1999. (Section E2.1; [4B, 5A, 5C - POS; 2A - NEG])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999002	Pri: ENG Sec:	Licensee	POS	Pri: 5A Sec: Ter:	LICENSEE CORRECTIVE ACTIONS A non-cited violation was identified concerning the failure to take actions for out-of-service refueling water storage tank level instrument channels as required by Technical Specification 3.3.2. This occurred on three separate occasions while performing modifications to replace the associated level transmitters. (Section E8.1; [1A, 3A, 4C - NCV; 5A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999002-03	Pri: ENG Sec:	Licensee	NCV	Pri: 1A Sec: 3A Ter: 4C	TS 3.3.2 Non-Compliance Due To FWST Level Instrumentation Inoperable In Excess Of Required Action Com A non-cited violation was identified concerning the failure to take actions for out-of-service refueling water storage tank level instrument channels as required by Technical Specification 3.3.2. This occurred on three separate occasions while performing modifications to replace the associated level transmitters. (Section E8.1; [1A, 3A, 4C - NCV; 5A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
04/24/1999	1999002-04	Pri: ENG Sec:	Licensee	NCV	Pri: 4A Sec: Ter:	Failure to Provide Adequate Design Control Measures for Emergency Diesel Generator Low-Low Lube Oil Pre A non-cited violation was identified by the NRC for the licensee's failure to provide adequate design control measures for the protective circuitry associated with the diesel generator low-low lubricating oil pressure trip circuitry. The licensee implemented minor modifications on both diesels in each unit to correct this discrepancy. (Section E8.2; [4A - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radioactive Waste Process Systems and Monitoring Radiological Effluents The licensee was maintaining radioactive waste process systems and monitoring radiological effluents to maintain offsite doses from radioactive waste effluents as low as reasonably achievable. (Section R1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Generation of Solid Waste The licensee was effective in reducing the total amount of solid radioactive waste generated. The volume of solid radioactive waste generated at Catawba continued to decline. (Section R1.3; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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11/20/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Radioactive Material Transportation Requirements Licensee personnel were knowledgeable of radioactive material transportation requirements and procedures. Reviewed radioactive material transportation documentation met regulatory requirements. The inspector concluded that the verification and validation of vendor computer software capabilities and established quality controls on the use of the computer program were acceptable. (Section R1.2; [POS - 1C, 3B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007	Pri: PLTSUP Sec:	NRC	POS	Pri: 5B Sec: 5C Ter:	Use of Corrective Action Program by Radiation Protection Personnel The radiation protection personnel were effectively utilizing the corrective action program to make program improvements and correct identified program deficiencies or non-compliances. (Section R7.1; [POS - 5B, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
11/20/1999	1999007-08	Pri: PLTSUP Sec:	NRC	NCV	Pri: 1C Sec: 1A Ter:	Failure to Comply with 10 CFR Part 20 and Licensee Survey Requirements for Sampling the Release of the TI A non-cited violation was identified for the licensee's failure to comply with 10 CFR Part 20 and licensee survey requirements for sampling the release of the turbine building sump on August 20, 1999. The licensee's control room logs reviewed during the inspection did not accurately reflect all of the communication and testing associated with liquid releases from the turbine building sump. (Section R1.4; [NCV - 1C, 1A])
Dockets Discussed: 05000413 Catawba 1						
10/09/1999	1999006	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	EMERGENCY PREPAREDNESS The licensee's emergency preparedness program was being maintained in a state of full operational readiness. Changes to the program since the September 1998 inspection were consistent with commitments and NRC requirements, and did not decrease the licensee's overall state of preparedness. (Section P1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiological Work Controls Licensee radiation surveys, postings, access controls, and radiological work controls were effective and performed in accordance with regulatory requirements. (Section R1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	High Radiation Areas Controls High radiation areas were properly controlled. (Section R1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Region II
 CATAWBA

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Procedures For Controlling Divers in Radiological Areas Licensee procedures for controlling divers in radiological areas were adequate. (Section R1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Individual Personnel Radiation Exposures All individual personnel radiation exposures were less than regulatory limits. (Section R1.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Outage Collective Radiation Exposure Better engineering support, work control planning and coordination, and effective shutdown chemistry procedures were factors contributing to the site's lowest outage collective radiation dose. The Catawba program to keep radiation dose as low as reasonably achievable was effective in the continued reduction of the site's collective personnel radiation dose. (Section R1.2; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Personnel Access To The Facility Protected Area The licensee met regulatory requirements concerning personnel access in and out of the facility protected area. (Section S1.4; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Physical Security/Contingency Plan Changes The Physical Security/Contingency Plan changes did not decrease the security program effectiveness. (Section S3.1; [POS - 1C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3B Ter:	Security Officers Security officers were appropriately trained and qualified to perform their duties in accordance with the licensee's Training and Qualifications Plan. Conduct of contingency drills and implementation of defensive strategies were considered security program strengths. (Section S5.1; [POS - 1C, 3B])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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Region II
CATAWBA

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 5A Ter:	Radiation Protection Program Audits The licensee's use of technical resources during radiation protection program audits was an effective tool to improve radiation protection performance and compliance. (Section R7.1; [POS - 1C, 5A])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Corrective Action Program The radiation protection personnel were effectively utilizing the corrective action program to make program improvements and correct identified program deficiencies or non-compliance issues. (Section R7.1; [POS - 5A, 5B, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
08/28/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Licensee-conducted Audits Licensee-conducted audits were thorough, complete, and effective in terms of uncovering weaknesses in the security system, procedures, and practices. The audit findings and recommendations were reviewed, appropriately assigned, analyzed, and prioritized for corrective action. The corrective actions taken were technically adequate and performed in a timely manner. The audit/self-assessment program continues to be a strength. (Section S7.1; [POS - 5A, 5B, 5C])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
07/17/1999	1999004	Pri: PLTSUP Sec:	NRC	MISC	Pri: 2A Sec: 1C Ter:	Material Condition The Unit 1 residual heat removal heat exchanger rooms were maintained as contaminated areas, were poorly lighted, and had dirty floors that appeared to be stained by rusty water. The inspector also observed system components with damaged lagging, as well as tygon tubing and rope on the floors and tied off to the walkway handrails. The licensee indicated that the residual heat removal rooms were maintained in their present condition due to efforts to maintain personnel radiation exposures as low as reasonably achievable; therefore, time and dose would not be expended on further improvement in these rooms. (Section O2.1; [MISC - 2A, 1C])
Dockets Discussed: 05000413 Catawba 1						
07/17/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Annual Emergency Preparedness Exercise The licensee's performance during an annual emergency preparedness exercise on June 9, 1999, was adequate with the appropriate focus on maintaining plant and personnel safety. Only minor concerns were noted in the area of command and control in the Emergency Operations Facility. (Section P1.1; [1C - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/05/1999	1999003	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radioactive Material Radioactive material was labeled appropriately and areas were properly posted. Personnel dosimetry devices were appropriately worn. Radiation work activities were appropriately planned. (Section RI.1; [1C - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
06/05/1999	1999003-08	Pri: PLTSUP Sec:	NRC	NCV	Pri: 1C Sec: Ter:	Failure to Properly Tag and Identify Equipment, in the WMTB, with Loose Contamination in Excess of Proced The inspectors identified a non-cited violation for failure to properly tag and identify equipment, in the waste monitor tank building, with loose contamination in excess of procedural limits. (Section R1.1; [1C - NCV])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	NEG	Pri: 1C Sec: 2A Ter:	Housekeeping The inspectors observed minor problems with housekeeping in posted contaminated areas. (Sections R1.1; [1C, 2A - NEG])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	As Low As Reasonably Achievable (ALARA) Program The licensee's implementation of its As Low As Reasonably Achievable (ALARA) program during the Unit 1 ice condenser lower inlet door beam cooler inspection on March 5, 1999, was good. Radiation protection technicians minimized dose by using detailed, comprehensive planning and by providing good information to the licensee's inspection team. (Section R1.1; [1C - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiation Worker Doses Radiation worker doses were being maintained well below regulatory limits and the licensee was maintaining exposures ALARA. (Section R1.1; [1C - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 2A Ter:	Radiation and Process Effluent Monitors and Environmental Monitors Radiation and process effluent monitors and environmental monitors were being maintained in an operational condition in compliance with TS requirements and Updated Final Safety Analysis Report commitments. (Section R2.1; [1C, 2A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Radiation Work Activities Radiation work activities were appropriately planned. (Section R1.1; [1C,3A - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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Region II
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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
03/13/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: 5C Ter:	Radiation Protection and Chemistry Audits In response to radiation protection and chemistry audits, the licensee was developing corrective action plans, trending, and completing corrective actions in a timely manner. (Section R7; [1C, 5C - POS])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						
06/11/1999	1999301-01	Pri: OTHER Sec:	Licensee	NCV	Pri: 3B Sec: Ter:	Initial License Examination Security Procedure Violation A non-cited violation in the area of examination security was identified by the licensee. During the NRC initial license examinations, the facility identified where an individual not on the security agreement entered a room where license applicants were being sequestered. (Section O8.1)
Dockets Discussed: 05000413 Catawba 1						
06/05/1999	1999003	Pri: OTHER Sec:	NRC	MISC	Pri: 4A Sec: Ter:	THE YEAR 2000 (Y2K) CHECKLIST The Year 2000 (Y2K) checklist was completed per Temporary Instruction 2515/141. Overall, the Y2K project was about 90 percent complete and the contingency plan was about 90 percent complete. (Section E8.1; [4A - MISC])
Dockets Discussed: 05000413 Catawba 1 05000414 Catawba 2						

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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.