Page: 1 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
01/08/2000	1999008	Pri: OPS	NRC	POS	Pri: 1C	Corrective Action Program
		Sec:			Sec:	The corrective action program was effective in identifying and correcting problems and provided a useful risk-informed
Dockets Discu	ussed:				Ter:	tool for the licensee. Licensee management fully participated in the program. The Management Review Committee
05000259 Bro	wns Ferry 1					was in the direct review path of the major input and output segment of the program.
05000260 Bro	,					
05000296 Bro	wns Ferry 3					
01/08/2000	1999008	Pri: OPS	NRC	POS	Pri: 1C	Licensed Operator Requalification Program
		Sec:			Sec: 1A	The licensed operator requalification examination program simulator scenarios, JPMs, and written examinations were
Dockets Discussed:					Ter: 1B	found to be challenging and effective test tools. The operators' performance during the site visit met the testing objectives. Examination security practices were satisfactory. The licensee regualification training feedback program for
05000259 Bro	•					operational events was in place and effective. The licensed operator remedial training program was being administered
05000260 Bro	•					in a timely and effective manner.
05000296 Bro	wns Ferry 3					
01/08/2000	1999008-01	Pri: OPS	NRC	NCV	Pri: 1C	FAILURE TO MEET POST-MAINTENANCE TEST REQUIREMENTS
		Sec:			Sec: 3A	This NCV is the result of a violation of Step 3.5.D of Standard Programs and Processes (SPP) 6.3,
Dockets Discu	ckets Discussed:			Ter:	Pre-/Post-Maintenance Testing, Rev. 0, which required that PMTs not performed at the time of field work completion be	
05000259 Bro	wns Ferry 1					scheduled for completion.
05000260 Bro	wns Ferry 2					
11/27/1999	1999007	Pri: OPS	NRC	POS	Pri: 1A	Configuration of Risk-Significant Systems, Structures, and Components
		Sec:			Sec : 1C	Based on a general walkdown inspection of selected risk-significant systems, structures, and components (SSCs), the
Dockets Discu	ussed:				Ter:	SSCs were found in a configuration appropriate to the mode of plant operation.
05000260 Bro	wns Ferry 2					
05000296 Bro	wns Ferry 3					
11/27/1999	1999007	Pri: OPS	NRC	POS	Pri: 1A	Freeze Protection
		Sec:			Sec: 1C	Based on walkdowns of freeze protection equipment, susceptible and risk-significant plant systems were adequately
Dockets Discu	ussed:				Ter:	protected from cold weather.
05000296 Bro	wns Ferry 3					
10/16/1999	1999006	Pri: OPS	NRC	NEG	Pri: 1A	Non-conservative Calculations
		Sec:			Sec:	During a September 18, 1999, Unit 2 startup, the point of single-notch control rod withdrawal was non-conservatively
Dockets Discu	ussed:	200.				calculated. It was based on source range monitor readings taken several hours prior to the startup under different plant
05000260 Bro					Ter:	conditions.
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Page: 2 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

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Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
10/16/1999	1999006	Pri: OPS	NRC	NEG	Pri: 2B	Poor Documentation Coordination
Dockets Discu 05000296 Brow		Sec:			Sec: Ter:	A normally-open valve on the Unit 3 low pressure coolant injection system was found closed to compensate for another leaking valve, without supporting documentation.
10/16/1999	1999006	Pri: OPS	NRC	POS	Pri: 1A	Operator Conduct
		Sec:	Sec:		Sec:	Operators conducted routine business in a professional manner. They responded promptly to alarms and
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	communicated them to the unit supervisor in a clear manner, and they were alert to control panel indications. Operators responded appropriately when two channels of neutron instrumentation became inoperable during a September 16, 1999, startup of Unit 2.
09/04/1999	1999005	Pri: OPS	NRC	POS	Pri: 1A	Operator Performance
		Sec:			Sec:	Plant operators demonstrated good professionalism, conservatism, and communications.
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	vns Ferry 1 vns Ferry 2				Ter:	

Page: 3 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
06/12/1999	1999003	Pri: OPS	NRC	POS	Pri: 1A	Startup from the Unit 2 Refueling Outage
		Sec:			Sec:	During the recovery and startup from the Unit 2 refueling outage, operators generally exhibited conservative operating
Dockets Discu					Ter:	practices and maintained a focus on safety.
05000260 Bro	wns Ferry 2					
06/12/1999	1999003	Pri: OPS	NRC	POS	Pri: 1B	Reactor Scram Due to Main Turbine Trip.
		Sec:			Sec:	Unit 2 safety systems responded properly following a reactor scram which occurred when the main turbine tripped
Dockets Discu 05000260 Brow					Ter:	during mechanical overspeed testing. During the subsequent rod withdrawal to criticality, control room distractions were minimized and operators demonstrated professionalism and good reactivity controls. Control room formality was notably improved from recent observations.
06/12/1999	1999003-01	Pri: OPS	NRC	NCV	Pri: 1C	FAILURE TO COMPLY WITH SR 3.10.4.3.
		Sec:			Sec: 1A	Operators demonstrated inattention to detail in reactivity management and misinterpretation of procedures by failing to
	Dockets Discussed: 05000260 Browns Ferry 2		Ter:	implement a TS surveillance requirement to verify that all other control rods were fully inserted when withdrawir control rods for testing. The licensee stated that the root cause was procedure inadequacy leading to operato misinterpretation of Procedure 2-SR-3.10.4.		
06/12/1999	1999003	Pri: OPS	NRC	POS	Pri: 1A	Control Room Operator Performance During Testing
		Sec: MAINT			Sec: 1C	Control room operators were sensitive to minor issues which occurred during testing and good administrative controls
Dockets Discu					Ter:	were noted during TS 3.10.2 implementation. However, one example of poorly performed second-party verification was noted.
05000260 Brov	•					noteu.
05000296 Brov	wns Ferry 3					
05/28/1999	1999002-01	Pri: OPS	Licensee	NCV	Pri: 3A	FAILURE TO REMOVE MSRV VACUUM BREAKER COVERS
		Sec:			Sec:	The licensee demonstrated poor system configuration controls and attention-to-detail by failing to remove all of the
O5000260 Brown					Ter:	foreign material exclusion covers from the inlets of the main steam relief valve discharge pipe vacuum breakers prior to the previous Unit 2 post-outage drywell closure, as required by procedures. The safety significance was reduced, however, because the affected relief valves were not rendered inoperable.
05/28/1999	1999002-02	Pri: OPS	NRC	NCV	Pri: 1A	FAILURE TO MEET RHR SERVICE WATER SYSTEM DISCHARGE TEMPERATURE LIMITATION
		Sec:			Sec:	During shutdown cooling lineup checks for the Unit 2 refueling outage, precautions intended to control temperature on
Dockets Discu 05000260 Brow					Ter:	the common service water discharge piping of the residual heat removal heat exchangers were not followed by operators. However, the design temperature of the piping was not exceeded.

Page: 4 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
05/01/1999	1999002	Pri: OPS	NRC	POS	Pri: 1A	Operator Performance
Dockets Discu 05000260 Brow		Sec:			Sec: Ter:	Operator performance in support of the Unit 2 refueling outage was acceptable. Prior to the outage, when a high pressure coolant injection (HPCI) actuation logic circuit wire was found loose, the operators conservatively declared the system inoperable and promptly reported the event to the NRC pursuant to 10 CFR 50.72.
05/01/1999	1999002	Pri: OPS	NRC	POS	Pri: 1A	The Unit 2 Refueling Outage
		Sec:			Sec:	The Unit 2 refueling outage was well-planned and executed, notwithstanding unexpected emergent work. Coordination
Dockets Discussed: 05000260 Browns Ferry 2		ed:			Ter:	and communications between plant departments was excellent and was an essential contributor to the timely implementation of the outage schedule.
05/01/1999	1999002	Pri: OPS	NRC	POS	Pri: 1B	Operator Response to Recirculation Pump Motor-Generator Failure
		Sec:			Sec:	Proper plant conditions were established to minimize the impact of a plant transient prior to troubleshooting voltage
O5000296 Brown					Ter:	fluctuations on the 3A recirculation pump motor-generator (MG) voltage regulator. Operators responded well to the transient and no problems were identified with the transition to single loop operation.
03/20/1999	1999001	Pri: OPS	NRC	POS	Pri: 1A	Performance of Control Room Shift Personnel
		Sec:			Sec: 1B	Control room shift personnel continued to perform professionally and with an emphasis on safety. For example, the
05000259 Brown 05000260 Brown 05000296 Brown	wns Ferry 1 wns Ferry 2				Ter:	operators took timely action to isolate a small ASME Code Class 2 boundary leak in the Unit 2 reactor core isolation cooling steam throttle valve body.
03/20/1999	1999001	Pri: OPS	NRC	STR	Pri: 1B	Operator Response
		Sec:			Sec: 3A	The operators responded conservatively and appropriately to the failures associated with the standby gas treatment
Dockets Discussed: 05000259 Browns Ferry 1 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	system, which resulted in entry into Technical Specification 3.0.3 and the commencement of a shutdown of both Units 2 and 3. Engineering and Maintenance support of the troubleshooting and correction of the causes of the failures was effective.
03/20/1999	1999001	Pri: OPS	NRC	STR	Pri: 1C	Fuel Receipt Inspections
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	wns Ferry 1 wns Ferry 2	Sec:			Sec: Ter:	During fuel receipt inspection activities for Unit 2, the licensee's team demonstrated excellent teamwork and attention to detail. A missing fuel rod spring was identified by the team which could have been overlooked. This was the second time the team identified such a discrepancy. In 1998, on Unit 3, an improperly fastened partial length rod was identified.

Page: 5 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

Ву	Primary	Functional	Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
03/05/1999	1998009-01	Pri: OPS	NRC	VIO IV	Pri: 1C	Inadequate Instrument Checks and Observations Procedure.
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3		Sec:			Sec: Ter:	Procedure 2/3-SR-2 was not adequately established or maintained to ensure that TS surveillance requirements were met, in that the licensee's methodology for calculating unidentified reactor coolant system leakage in Table 1.2 of the procedure resulted in a leak rate that was averaged over the previous 24-hour period in lieu of the required frequency of 12 hours; procedural steps for performing checks on the 2-out-of-4 Voter channels of the Average Power Range Monitors were not established in plant procedures; and Procedure 2/3-SR-2 was not adequate to cover TS-required surveillance checks for reactor vessel water level narrow range instruments when the plant was in Modes 4 and 5.
02/06/1999	1998009	Pri: OPS	NRC	POS	Pri: 1A	Plant Operators
Dockets Disco 05000259 Bro 05000260 Bro 05000296 Bro	wns Ferry 1 wns Ferry 2	Sec:			Sec: 1C Ter:	The operators continued to demonstrate good professionalism, conservatism, and communications in control of the plant. The operators demonstrated a good questioning perspective by identifying the control room emergency ventilation (CREV) surveillance procedure inadequacy and its effect on the plant.
01/08/2000	1999008-02	Pri: MAINT	NRC	NCV	Pri: 2B	FAILURE TO MAINTAIN AN ADEQUATE PROCEDURE
		Sec:			Sec: 3A	The licensee demonstrated that multiple barriers to failure could be broken in the work order process with a resultant
Dockets Discussed: 05000260 Browns Ferry 2					Ter:	inadvertent loss of safety function. Such was the case with the Unit 2 HPCI system as repeated inattention to detail prevailed after a drawing from the incorrect unit was included in a work instruction package. An NCV was identified for failure to maintain adequate instructions for safety-related work.
11/27/1999	1999007	Pri: MAINT	NRC	NEG	Pri: 2A	Drywell Leakage Detection Equipment
		Sec:			Sec: 2B	The licensee has not been successful in resolving long-standing problems affecting the accuracy of drywell leakage
05000260 Bro 05000296 Bro	wns Ferry 2				Ter:	detection equipment.
11/27/1999	1999007	Pri: MAINT	NRC	POS	Pri: 1A	Surveillance Testing
		Sec:			Sec:	The licensee met regulatory requirements while performing surveillance tests.
Dockets Disco 05000259 Bro 05000260 Bro 05000296 Bro	wns Ferry 1 wns Ferry 2				Ter:	
10/16/1999	1999006	Pri: MAINT	Licensee	NEG	Pri: 1A	Operator Inattention to Detail
		Sec:			Sec: 3C	The operators performing the SLC fuctional test demonstrated poor attention to detail in shutting a water suppy valve
O5000260 Bro					Ter:	prematurely and by throttling the wrong instrument isolation valve.

Page: 6 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

Ву	Primary	Funct	ional	Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
10/16/1999	1999006	Pri: MAINT	NRC	POS	Pri: 2B	Maintenance Activities
		Sec:			Sec:	Observed maintenance activities were conducted in a satisfactory manner and regulatory requirements were met.
Dockets Discu					Ter:	
05000260 Bro	•					
05000296 Bro	wns Ferry 3					
09/04/1999	1999005	Pri: MAINT	NRC	POS	Pri: 3A	Maintenance Work Activities
		Sec:			Sec:	Observed maintenance work activities were performed in a professional manner.
Dockets Discussed:					Ter:	
05000259 Bro	•					
05000260 Bro						
03000290 BIO	wiis i eily 5					
09/04/1999	1999005	Pri: MAINT	NRC	POS	Pri: 3A	High Risk Main Turbine Control Troubleshooting
		Sec:			Sec: 3B	The licensee's staff demonstrated good coordination, communication, and attention to detail while performing high ris
Dockets Discussed: 05000260 Browns Ferry 2					Ter:	main turbine control troubleshooting.
05000260 Bro	wns Ferry 2					
09/04/1999	1999005	Pri: MAINT	NRC	POS	Pri: 2A	Reactor Core Isolation Cooling Turbine Trip/Throttle Valve Troubleshooting
		Sec: ENG			Sec: 2B	Good engineering direction of troubleshooting and good maintenance support of repair activities were observed during
Dockets Discu	ussed:				Ter:	resolution of a reactor core isolation cooling turbine trip/throttle valve failure to trip.
05000260 Bro	wns Ferry 2					
07/24/1999	1999004	Pri: MAINT	NRC	POS	Pri: 3A	MAINTENANCE AND SURVEILLANCE ACTIVITIES
		Sec:			Sec: 2B	Maintenance and surveillance activities observed during this inspection period were conducted adequately, in a
Dockets Discu	ussed:				Ter:	professional manner, with emphasis on self-checking and accurate communications.
05000259 Bro	wns Ferry 1					
05000260 Bro	,					
05000296 Bro	wns Ferry 3					
07/24/1999	1999004-02	Pri: MAINT	Licensee	NCV	Pri: 3A	Failure to Properly Install HPCI Relay Contact Inhibits
		Sec:			Sec: 3B	This NCV was identified for failure to follow a surveillance procedure. A Maintenance technician did not utilize a
Dockets Discu					Ter:	referenced illustration intended to assure that the correct relay contacts were inhibited for an ESF trip unit functional test. Consequently, an error was made resulting in an inadvertent isolation of the HPCI system steam supply.
05000260 Bro	wns Ferry 2					took. Consequently, an error was made resulting in an inadvertent isolation of the fill of system steam supply.

Page: 7 of 16 003/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

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Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
07/24/1999	1999004-03	Pri: MAINT	NRC	NCV	Pri: 2B	FAILURE TO MAINTAIN AND IMPLEMENT SAFETY-RELATED PROCEDURE
		Sec:			Sec:	This NCV was identified for failure to maintain and implement a safety-related calibration procedure. The procedure
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	could not be conducted as written. Plant personnel should have stopped and corrected errors in the procedure prior to its implemention.
07/24/1999	1999004-04	Pri: MAINT	Licensee	NCV	Pri: 1A	FAILURE TO CONDUCT PRIMARY CONTAINMENT OXYGEN CONCENTRATION TS SURVEILLANCE
		Sec:			Sec: 2B	This event was the result of a lack of tracking and turnover communication related to a failed oxygen sample pump on
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter: 3A	the 3B hydrogen/oxygen analyzer on Unit 3, and water present in the sample lines for the 2B hydrogen/oxygen analyzer on Unit 2. The licensee reported this problem in Licensee Event Report (LER) 50-260/1999-007-000.
06/12/1999	1999003-02	Pri: MAINT	NRC	NCV	Pri: 3B	INADEQUATE TEST CONTROL OF HYDRAULIC SNUBBERS.
		Sec:			Sec: 3A	As a result of the licensee's failure to provide sufficient technical guidance, TRM surveillance testing for several Unit 2
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3		owns Ferry 2			Ter:	and Unit 3 Bergen-Paterson Type HSSA-3 hydraulic snubbers was not properly performed. However, the improperly tested snubbers did not result in any loss of system safety function. In addition, during snubber retesting, the inspectors identified incorrect operator interpretation and administration of TRM LCOs for snubbers removed for testing
05/28/1999	1999002-03	Pri: MAINT	NRC	NCV	Pri: 3A	FAILURE TO FOLLOW HYDRAULIC SNUBBER FUNCTIONAL TEST INSTRUCTIONS
Dockets Disco 05000260 Bro		Sec:			Sec: 2B Ter:	During review of periodic surveillance functional testing and maintenance of system hydraulic snubbers during the Uni outage, as-left acceptance criteria were exceeded for a residual heat removal system snubber. However, the snubber was signed off as satisfactory, based on inappropriate, undocumented evaluation.
05/01/1999	1999002	Pri: MAINT	NRC	POS	Pri: 2B	Surveillance Testing Performance
		Sec:			Sec:	Surveillance tests observed during the inspection period were generally performed in a professional and safe manner.
Dockets Disc 05000259 Bro 05000260 Bro 05000296 Bro	wns Ferry 1 wns Ferry 2				Ter:	Good coordination and communications were demonstrated during the C diesel generator emergency load acceptance test. This complex test required the coordination of numerous personnel in different plant areas to perform plant manipulations and gather test data. The evolution was completed without problems.
05/01/1999	1999002	Pri: MAINT	NRC	POS	Pri: 2B	Inservice Inspection Activities
		Sec:			Sec: 3A	Inservice inspection activities observed were performed in a thorough manner by knowledgeable examiners using
Dockets Disco					Ter:	approved procedures.

Page: 8 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
05/01/1999	1999002	Pri: MAINT	NRC	POS	Pri: 3A	Conduct of Maintenance
		Sec:			Sec: 2B	Work activities observed were conducted in a well-planned and professional manner. Workers were familiar with the
Dockets Disc	ussed:				Ter:	assigned tasks. Engineering support of the maintenance, where applicable, was good. The engineers frequently
05000260 Bro	wns Ferry 2					monitored the work and were knowledgeable of the equipment. Proper radiological controls were maintained, where
05000296 Bro	wns Ferry 3					required.
04/15/1999	1999001-01	Pri: MAINT	Licensee	NCV	Pri: 1C	INADEQUATE SURVEILLANCE PROCEDURE
		Sec:			Sec: 3A	The surveillance procedure for performing CREV system flow rate and filter testing was inadequate, in that complying
Dockets Discussed: 05000260 Browns Ferry 2		ssed: vns Ferry 2			Ter:	with the procedure as written resulted in entering TS 3.0.3, which requires a plant shutdown. Both trains of CREV
						were inoperable for approximately 11 hours.
05000296 Bro	wns Ferry 3					
04/15/1999	1999001-02	Pri: MAINT	Licensee	NCV	Pri: 1A	FAILURE TO FOLLOW SURVEILLANCE PROCEDURE.
		Sec:			Sec:	Incomplete communications between Operations and Maintenance personnel caused the failure to promptly declare the
Dockets Disc	ussed:				Ter:	shutdown board 3EB battery inoperable. Maintenance personnel failed to follow the procedure which required that the
05000296 Browns Ferry 3						immediately notify the US at the time of the failure. The inspectors concluded that the lack of detailed questioning on the part of the US was a contributing factor.
03/20/1999	1999001	Pri: MAINT	NRC	POS	Pri: 3A	Observed Work Activities
		Sec:			Sec : 3B	Work activities observed during the inspection period were conducted in a professional manner. Workers demonstrate
Dockets Disc	ussed:				Ter:	competence in their assigned tasks and proper work instructions and documentation were observed. In general,
05000259 Bro	•					radiological controls observed during the inspection period were effective and consistent with licensee expectations.
05000260 Bro	•					
05000296 Bro	wns Ferry 3					
02/06/1999	1998009	Pri: MAINT	NRC	POS	Pri: 3A	Surveillance Testing
		Sec:			Sec: 1C	Surveillance testing was performed satisfactorily. The licensee's response to a failed hydraulic valve operator during
Dockets Disc					Ter:	high pressure coolant injection system testing was prompt and well-executed.
05000259 Bro	-					
05000260 Bro	•					
05000296 Bro	wns Ferry 3					
02/06/1999	1998009	Pri: MAINT	NRC	POS	Pri: 3A	Performance of Work Activities
		Sec:			Sec: 2B	Observed work activities were performed in a professional manner. Good self-checking and engineering support were
Dockets Disc	ussed:				Ter:	noted during implementation of a temporary alteration that bypassed a failed rod position indication switch. The
05000259 Bro	•					temporary alteration package and engineering drawings were actively checked to ensure that the work was properly performed.
05000260 Bro	•					
05000296 Bro	wns Ferry 3					

Page: 9 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
01/08/2000	1999008	Pri: ENG	NRC	POS	Pri: 4B	Engineering Support
		Sec:			Sec: 4C	Engineering support of the corrective action program was good. Site engineering personnel performed
Dockets Discussed: 05000259 Browns Ferry 1 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	extent-of-condition reviews; root cause analysis, and apparent cause evaluations of plant problems in support of both maintenance and operations Engineering support activities. Corrective action plans developed were technically adequate and provided reasonable assurance for effective control of the identified deficiencies.
11/27/1999	1999007	Pri: ENG	NRC	POS	Pri: 4B	Y2K Readiness Program
		Sec:			Sec: 4C	The Browns Ferry Year 2000 (Y2K) readiness programs had been satisfactorily completed.
Dockets Disc 05000259 Bro 05000260 Bro 05000296 Bro	wns Ferry 1 wns Ferry 2				Ter: 4A	
11/27/1999	1999007-01	Pri: ENG	NRC	NCV	Pri: 4C	BLOCKING AN EECW VALVE OPEN WITHOUT A SAFETY EVALUATION
		Sec:			Sec: 4B	While establishing a clearance for Unit 1 maintenance, operators blocked an emergency equipment cooling wat
O5000259 Bro			Ter: (EECW) crosstie valve open. While this action was a change to the facility as described in the F supported by a safety evaluation, as required by 10 CFR 50.59.		(EECW) crosstie valve open. While this action was a change to the facility as described in the FSAR it was not supported by a safety evaluation, as required by 10 CFR 50.59.	
10/16/1999	1999006	Pri: ENG	NRC	POS	Pri: 4B	Power Suppression Testing
		Sec:			Sec: 5B	Licensee operators, engineers, and chemists performed power suppression testing and analysis of detected fuel leak
O5000296 Bro					Ter:	in a professional manner.
05/28/1999	1999002-04	Pri: ENG	NRC	NCV	Pri: 4C	FAILURE TO PERFORM A SAFETY EVALUATION
		Sec:			Sec:	The licensee failured to perform a safety evaluation in support of work/testing on the HPCI system with the system
Dockets Disc 05000260 Bro					Ter:	being operable, as required by plant procedures and 10 CFR 50.59.
05/01/1999	1999002	Pri: ENG	NRC	NEG	Pri: 4A	Modeling Assumptions for Turbine Trip Transients
		Sec:			Sec:	The modeling assumptions for most turbine trip transients in the licensee's core reload analysis, General Electric
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	Standard Application for Reactor Fuel (GESTAR II), NEDE-24011-P-A, incorrectly assumed that the associated transient pressure response was controlled by the turbine stop valves vice the turbine control valves. However, the operating limit minimum critical power ratio was not affected for the current operating cycles of Units 2 and 3.

Page: 10 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

	Ву	Primary	Functional	Area
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Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
04/15/1999	1999001-03	Pri: ENG	Licensee	NCV	Pri: 1A	FAILURE TO PERFORM A SAFETY EVALUATION
		Sec:			Sec: 1C	The licensee identified that a plant alteration was implemented on FSAR-described EHC circuits associated with the
Dockets Disco					Ter: 2A	Units 2 and 3 stop valves without first performing a written safety evaluation as required by 10 CFR 50.59.
05000200 Bro	,					
04/15/1999	1999001-04	Pri: ENG	Licensee	NCV	Pri: 4B	FAILURE TO ESTABLISH PROCEDURES TO PROPERLY TEST CREV SYSTEM LOGIC.
		Sec:			Sec: 1C	Procedures were not established to perform logic system functional testing of the CREV system low air flow trip
Dockets Disco 05000260 Bro 05000296 Bro	wns Ferry 2				Ter:	circuitry. The licensee identified additional examples of CREV system testing inadequacies.
03/05/1999	1998009-05	Pri: ENG	NRC	NCV	Pri: 4A	Failure to Maintain Proper Controls Over CAD Design.
					Sec:	During a review for the Thermal Power Uprate Program, the licensee identified a non-conservative calculation for
Dockets Discussed: 05000260 Browns Ferry 2 05000296 Browns Ferry 3					Ter:	amount of nitrogen required to meet the seven-day design basis supply in the containment atmospheric dilution (CAE tanks. The amount of nitrogen required by the TS would not be sufficient for seven days of post-loss-of-coolant-accident (LOCA) operation, as required by the design basis. Immediate corrective actions were implemented to maintain the tank levels above 95% to ensure the design basis requirements were met. The licensee took prompt actions to repair the tanks and restore the vacuum to an acceptable value. Technical Instruction 0-TI-384, CAD Tank Boil-Off Determination, was issued to address the nitrogen boil-off rate in a formal manner
11/27/1999	1999007	Pri: PLTSUP	NRC	POS	Pri: 1A	Radioactive Material Shipping Program
		Sec:			Sec: 1C	The licensee's program for shipping radioactive material had been effectively implemented and was in accordance with
Dockets Disc					Ter:	NRC and Department of Transportation regulations.
05000259 Bro 05000260 Bro	•					
05000260 Bro	,					
11/27/1999	1999007	Pri: PLTSUP	NRC	POS	Pri: 1A	Liquid and Gaseous Radioactive Effluent Control Program
		Sec:			Sec: 4C	The licensee had maintained an effective program for the control of liquid and gaseous radioactive effluents from the
Dockets Disc	ussed:				Ter:	plant. The radiation doses from those releases were a small percentage of regulatory limits.
05000259 Bro	•					
05000260 Bro	•					
05000296 Bro	wns Ferry 3					

Page: 11 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description			
11/27/1999	1999007	Pri: PLTSUP	NRC	POS	Pri: 1A	Radiological Environmental Monitoring Program			
		Sec:			Sec: 4C	The licensee complied with the sampling, analytical and reporting requirements for the radiological environmental			
Dockets Discussed:					Ter: 2A	monitoring program; the environmental sampling equipment was well-maintained; and the monitoring program was			
05000259 Brov	wns Ferry 1					effectively implemented.			
05000260 Brov	•								
05000296 Brov	wns Ferry 3								
10/16/1999	1999006	Pri: PLTSUP	NRC	POS	Pri: 1C	Security			
		Sec:			Sec:	Licensee security officers were attentive to their posts and demonstrated alertness when they locked the West Gate			
Dockets Discussed:					Ter:	turnstiles as a licensee employee prematurely crossed the "red line," thus preventing concurrent access through a			
05000259 Brov	wns Ferry 1					turnstile that controlled access to the protected area.			
05000260 Brov	•								
05000296 Brov	wns Ferry 3								
10/16/1999	1999006-01	Pri: PLTSUP	NRC	NCV	Pri: 3A	FAILURE TO PERFORM SLC CHEMISTRY SURVEILLANCE REQUIREMENT			
		Sec:			Sec:	The licensee failed to perform TS Surveillance Requirement (SR) 3.1.7.9, to verify the boron enrichment of the Unit 3			
Dockets Discussed:					Ter:	standby liquid control system tank. This failure also exceeded the allowed surveillance extension of six hour			
05000296 Brov	wns Ferry 3					TS 3.1.7 action statement of eight hours.			
07/24/1999	1999004	Pri: PLTSUP	NRC	POS	Pri: 1A	SECURITY PERFORMANCE			
		Sec:			Sec:	Security personnel were observed to have met their responsibilities in a professional manner. They were alert and			
Dockets Discu	ıssed:			Ter:	attentive to their posts.				
05000259 Brov	wns Ferry 1				101.				
05000260 Brov	wns Ferry 2								
05000296 Brov	wns Ferry 3								
06/12/1999	1999003	Pri: PLTSUP	NRC	NEG	Pri: 1C	Emergency Exercise Areas for Improvement			
		Sec:			Sec:	Areas for improvement were: (1) proper adherence to procedural requirements; (2) consistently updating the Technical			
Dockets Discu	Dockets Discussed:				Ter:	Assessment Team regarding plant repair priorities; and (3) improving the performance of the technical support groups in			
05000259 Brov	wns Ferry 1					the Central Emergency Control Center.			
05000260 Brov	wns Ferry 2								
05000296 Brov	wns Ferry 3								

Page: 12 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

Βv	Primary	Functional	Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
06/12/1999	1999003	Pri: PLTSUP	NRC	NEG	Pri: 5A	Erroneous Protective Action Recommendation
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	vns Ferry 1 vns Ferry 2	Sec:			Sec: Ter:	The second of the licensee's two protective action recommendations was erroneous, and constituted a failure to meet one of the established emergency preparedness exercise objectives.
06/12/1999	1999003	Pri: PLTSUP	NRC	POS	Pri: 1C	Personnel Exposure Records Reconciliation Project
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	vns Ferry 1 vns Ferry 2	Sec:			Sec: Ter:	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.
06/12/1999	1999003	Pri: PLTSUP	NRC	POS	Pri: 1C	1999 Biennial Emergency Preparedness Exercise
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	vns Ferry 1 vns Ferry 2	Sec:			Sec: Ter:	The licensee's submittals of the scope and objectives, as well as the scenario package, were timely and appropriate for the 1999 biennial emergency preparedness exercise.
06/12/1999	1999003	Pri: PLTSUP	NRC	POS	Pri: 4C	Emergency Response Capabilities
Dockets Discu 05000259 Brow 05000260 Brow 05000296 Brow	vns Ferry 1 vns Ferry 2	Sec:			Sec: 3B Ter:	The licensee's overall performance in responding to the simulated emergency was satisfactory, and the exercise was a successful demonstration of the licensee's emergency response capabilities.
05/01/1999	1999002	Pri: PLTSUP	NRC	POS	Pri: 3C	Monitoring and Control of Personnel Radiation Exposure
Dockets Discu 05000260 Brov		Sec:			Sec: Ter:	The licensee properly monitored and controlled personnel radiation exposure during the Unit 2 Cycle 10 refueling outage and posted area radiological conditions in accordance with 10 CFR Part 20.
05/01/1999	1999002	Pri: PLTSUP	NRC	POS	Pri: 3C	ALARA Goals
Dockets Discu 05000260 Brov		Sec:			Sec: Ter:	The licensee was generally successful in meeting established ALARA goals, in that eight of ten goals were met during 1994 through 1998.

Page: 13 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 1C	Training of Radiation Protection and Chemistry Personnel
		Sec:			Sec:	Training was provided to Radiation Protection and Chemistry personnel in accordance with the descriptions delineated
Dockets Discus	Dockets Discussed:				Ter:	in the licensee's radiation protection, chemistry, and nuclear training manuals.
05000259 Brow	,					
05000260 Brow	•					
05000296 Brow	vns Ferry 3					
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 1C	Gaseous Effluent Analysis Program
		Sec:			Sec:	The licensee had established and implemented an adequate program for assuring the quality of gaseous effluent
Dockets Discus	ssed:				Ter:	analyses.
05000259 Brow	,					
05000260 Brow	-					
05000296 Brow	vns Ferry 3					
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 1C	Access Authorization Program
		Sec:			Sec: 3A	The licensee was appropriately following the guidance provided by Regulatory Guide 5.66 and Nuclear Management and
Dockets Discussed:				Ter: 4C	Resources Council (NUMARC) 89-01 to implement the access authorization program.	
05000259 Brow	,					
05000260 Brow	•					
05000296 Brow	vns Ferry 3					
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 1C	Safeguards Events
		Sec:			Sec: 3B	The licensee appropriately analyzed, tracked, resolved, and documented safeguards events in the security event logs in
Dockets Discus					Ter: 5B	accordance with regulatory requirements.
05000259 Brow	•					
05000260 Brow	•					
05000296 Brow	vns Ferry 3					
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 1C	Qualifications of Security Officers
		Sec: 3B	Security officers were appropriately trained and qualified to perform their duties in accordance with the licensee's			
Dockets Discus					Ter: 5B	Training and Qualification Plan.
05000259 Brow	•					
05000260 Brow 05000296 Brow	-					
OSUUUZ96 Brow	viis reily 3					

Page: 14 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description	
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 2A	Availability of Continuous Air Radiation Monitors	
		Sec:			Sec:	Availability of continuous air radiation monitoring systems has improved; however, the Unit 2 monitors were not meeting	
Dockets Discu	ussed:				Ter:	established licensee performance goals due to a lack of proper attention on corrective maintenance.	
05000259 Bro	wns Ferry 1						
05000260 Bro	•						
05000296 Bro	wns Ferry 3						
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 2B	Emergency Preparedness Program	
		Sec:			Sec:	The licensee's Emergency Preparedness Program was being maintained in a state of full operational readiness.	
Dockets Discu	ussed:				Ter:	Changes to the program since December 1997 were consistent with the licensee's Emergency Plan and NRC	
05000259 Browns Ferry 1						requirements.	
05000260 Bro	,						
05000296 Bro	wns Ferry 3						
03/20/1999	1999001	Pri: PLTSUP	NRC	POS	Pri: 2B	Physical Security/Contingency Plan Changes	
		Sec:			Sec: 4C	The Physical Security/Contingency Plan changes did not decrease the effectiveness of the Physical	
Dockets Discussed:					Ter:	Security/Contingency Plan.	
05000259 Bro	wns Ferry 1						
05000260 Bro							
05000296 Bro	wns Ferry 3						
03/20/1999	1999001	Pri: PLTSUP	NRC	STR	Pri: 1C	Security Audits	
		Sec:			Sec: 4C	Licensee-conducted audits were thorough, complete, and effective in terms of uncovering weaknesses in the security	
Dockets Discu	ussed:				Ter: 5B	system, procedures, and practices. The corrective actions taken were technically adequate and performed in a timely	
05000259 Bro	•					manner. The security audit/self-assessment program continues to be a strength.	
05000260 Bro	,						
05000296 Bro	wns Ferry 3						
02/06/1999	1998009	Pri: PLTSUP	NRC	POS	Pri: 1A	Radiation Controls	
		Sec:			Sec : 1C	The licensee continued to demonstrate good radiation controls.	
Dockets Discu	ussed:				Ter:		
05000259 Bro	•						
05000260 Bro							
05000296 Bro	wns Ferry 3						

Page: 15 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

Region II

BROWNS FERRY

Date	Source	Functional Area	ID	Туре	Template Codes	Item Title Item Description
02/06/1999	1998009	Pri: PLTSUP	NRC	POS	Pri: 1A	Plant Security
		Sec:			Sec: 1C	Plant Security continued to be well-implemented.
Dockets Discu	ssed:				Ter:	
05000259 Brow	vns Ferry 1					
05000260 Browns Ferry 2						
05000296 Brow	vns Ferry 3					

Page: 16 of 16 03/31/2000 IR Report 3

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area

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
ЗА	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 MAINT ENG PLTSUP	Operations Maintenance Engineering 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.