Browns Ferry Unit 1 Restart
Inspection Plan and Schedule (IP&S) Report

Browns Ferry Units 1 (BF1), 2 (BF2), and 3 (BF3) were voluntarily shutdown by the Tennessee Valley Authority (TVA) in March 1985 for management and regulatory issues. TVA committed to obtain NRC approval prior to the restart of any of the Browns Ferry units. TVA submitted the Browns Ferry Nuclear Performance Plan, Volume 3, in August 1986, outlining the steps needed to recover the Browns Ferry units. NRC issued NUREG-1232, Volume 3, and its supplements, concluding that TVA's actions acceptably addressed Browns Ferry Nuclear Plant deficiencies. TVA obtained NRC permission to restart BF2 in 1991 and BF3 in 1995. In 2002, TVA commenced a 5-year program to recover BF1. Once BF1's startup program is completed, all three units will be similar in their respective plant configurations, and will have implemented corrective actions for outstanding regulatory and generic safety issues.

NRC Inspection Manual Chapter (MC) 2509, "Browns Ferry Unit 1 Restart Project Inspection Program," establishes the policy for the BF1 Restart Project inspection program covering BF1's renovation, and restart testing including power ascension. Inspection Procedures (IPs) or Technical Instructions (TIs), documented in Region II's inspection plan and schedule (IP&S), will provide inspection requirements for these main inspection areas that comprise the BF1 Restart Project Inspection Program.

A Restart Oversight Panel, consisting of participants from both Region II and NRR, has been established in accordance with MC 2509. This panel decides whether the required corrective actions and performance improvement changes have been implemented successfully by the licensee so that BF1 meets the relevant regulatory requirements and can be safely operated. The actual decision to permit the licensee restart to BF1 will be made by the Regional Administrator of Region II with the concurrence of the Director, Office of Nuclear Reactor Regulation (NRR) based on a written recommendation of the Restart Oversight Panel. The panel will also review the readiness of BF1 to be placed unde the NRC's normal Reactor Oversight Process (ROP). The decision to permit BF1 to transition into the full oversight of the ROP will be made by the Regional Administrator of Region II with the concurrence of the Director, Office of NRR, based on a written recommendation from the Restart Oversight Panel.

In accordance with MC 2509, the NRC staff has developed IP&S which collects and provides inspection requirements for areas that comprise the BF1 Restart Project Inspection Program. This IP&S tracking tool identifies the appropriate inspection procedures or equivalent criteria to review the licensee's restart activities and to implement inspections. The tracking tool provides a means for tracking open items, allows for generating reports to support any interface with stakeholders, the Commission, and other agencies, and provides cross-references between the items tracked and applicable inspection reports. IP&S also allows for rescheduling of inspections to accommodate licensee schedule changes and additional inspections that may be identified by Region II or by the BF1 Restart Oversight Panel..

Issues or activities are considered closed in IP&S when the following three criteria have been met: 1) TVA has reviewed and closed the issue or activity in their quarterly update submitted to the NRC, 2) The issue or activity has been reviewed and/or an inspection has been completed by the NRC and an associated inspection report (IR) has been issued, and 3) The BF1 Restart Oversight Panel has been briefed or reviewed available documentation to satisfy the two aforementioned criteria to permit closure of the item.

The attached IP&S report includes open and closed items as discussed above. Documents associated with the NRC oversight of the BF1 Recovery can be found on the NRC's website at http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/bf1-recovery.html .

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 1	Cable Ampacity	SP	CLOSED	37550	2004-007 2006-009	Mitigating Systems Initiating Events

Items numbered 1-108 constitute a basis for Restart as identified in NRC Regulatory Framework Letter dated August 14, 2003 and should be evaluated for closure prior to Restart.

BF1- 2	Cable Installation/ Cable Separation issues	SP	CLOSED	37550 51053 37551	2004-007 2004-009 2005-008 2005-009 2006-006 2006-007 2006-012 2006-009 2007-009	Mitigating Systems Initiating Events
BF1- 3	Cable Splices	SP	CLOSED	51053 37550	2004-008 2005-008 2006-007	Mitigating Systems Initiating Events
BF1- 4	Cable Tray Supports	SP	CLOSED	37551 62002	2003-010 2004-006 2005-008	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 5	Component and Piece Part Qualification	SP	CLOSED	37550	2006-009	Mitigating Systems Initiating Events Barrier Integrity
BF1- 6	Conduit Supports	SP	CLOSED	37551	2004-006 2005-008	Mitigating Systems Initiating Events
BF1- 7	Configuration Mgmt/ Design Baseline	SP	CLOSED	37551	2005-008	Mitigating Systems Initiating Events Barrier Integrity
BF1- 8	Containment Coatings	SP	CLOSED	37550 62002	2004-007 2004-008 2005-006 2006-009	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 9	Control Rod Drive insert/withdrawal piping	SP	CLOSED	37551	2004-007 2004-008 2005-008 2005-009 2006-006	Mitigating Systems Initiating Events
BF1- 10	Design Calc Review	SP	CLOSED	37551	2005-008	Mitigating Systems Initiating Events Barrier Integrity
BF1- 11	Environmental Qualification	SP	OPEN	37550	2003-010 2004-008 2005-008 2006-009	Mitigating Systems Initiating Events
BF1- 12	Fire Protection / 10CFR50, Appendix R	SP	CLOSED	37550 64704 37551	2004-009 2005-016 2006-012 2007-009	Mitigating Systems Initiating Events Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 13	Flexible Conduits	SP	CLOSED	37550	2004-007 2004-009 2006-006	Mitigating Systems Initiating Events
BF1- 14	Fuses	SP	CLOSED	37550 51053	2004-008 2005-008 2006-007	Mitigating Systems Initiating Events
BF1- 15	HVAC Duct Supports	SP	CLOSED	37550 50100	2006-008	Mitigating Systems
BF1- 16	Instrument Sensing Lines	SP	CLOSED	37550	2006-007 2006-009	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 17	Instrument Tubing	SP	CLOSED	37550 37551	2005-008 2006-007 2006-008	Mitigating Systems Initiating Events
BF1- 18	Intergranular Stress Corrosion Cracking (IGSCC)	SP	CLOSED	37551 55050	2003-009 2003-010 2004-006 2004-007 2004-009 2005-008	Barrier Integrity
BF1- 19	Large Bore Piping Supports	SP	CLOSED	50090	2003-009 2005-006 2005-008 2005-009 2006-006 2006-007 2006-009	Mitigating Systems Barrier Integrity
BF1- 20	Long Term Torus Integrity Program	SP	CLOSED	37550 37551 62002 50090	2003-009 2003-010 2004-007 2004-009 2004-011 2006-006 2006-007 2006-009	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 21	Drywell Steel Platforms and Upper drywell platforms	SP	CLOSED	37550 37551 62002	2003-009 2004-007 2005-008	Mitigating Systems Barrier Integrity
BF1- 22	Misc Steel Frames	SP	CLOSED	37551	2003-009 2006-006	Mitigating Systems Barrier Integrity
BF1- 23	Moderate Energy Line Break (MELB)	SP	CLOSED	37550	2006-007	Barrier Integrity
BF1- 24	Platform Thermal Growth	SP	CLOSED	37551	2003-009 2005-008 2006-006	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 25	Probabilistic Safety Assessment (PSA)	SP	NOT REQUIRED	93804		Mitigating Systems Initiating Events Barrier Integrity
Item #25, Probabilistic Safety Assessment (PSA) has been updated to "Not Required" based on document reviews, including NRC staff verification that commitments pertaining to PSA had been previously addressed. The Restart Oversight Panel determined that TVA resolved the PSA issue during Unit 3 restart with the submittal of the Browns Ferry Multi-Unit PSA and dependency matrices, as stated in TVA's Regulatory Framework letter dated December 13, 2002. Furthermore, NRC Regulatory Framework letter dated August 13, 2003 did not identify PSA as a special program.						
BF1- 26	Q List	SP	CLOSED	37550	2006-007	Mitigating Systems Initiating Events Barrier Integrity
BF1- 27	Restart Test Program (RTP)	SP	OPEN	37551 37550 35301 70315 70301	2005-006 2005-007 2005-008 2005-009 2006-006 2006-007 2006-008 2006-009	Mitigating Systems Initiating Events Barrier Integrity
BF1- 28	Seismic Class II Over I / Spatial Systems Interactions and Water Spray	SP	CLOSED	37551	2005-008	Mitigating Systems Initiating Events Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 29	Small Bore Piping / Supports	SP	CLOSED	37550 37551	2005-008 2006-007 2006-008	Mitigating Systems Initiating Events
BF1- 30	Thermal Overloads	SP	CLOSED	37550 51053	2004-008 2005-008 2006-007	Mitigating Systems Initiating Events
BF1- 31	BU 79-02 Pipe Support Plate Designs Using Concrete Expansion Anchor Bolts	GEN	CLOSED	37550	2006-009	Mitigating Systems Initiating Events
BF1- 32	BU 79-12 Short Period Scrams at BWR Facilities	GEN	CLOSED	92701	2006-007	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 33	BU 79-14 Seismic Analysis for As-Built Safety Related Piping Systems	GEN	CLOSED	37550 37551	2006-009	Mitigating Systems Barrier Integrity
BF1- 34	BU 80-06 Engineered Safety Feature Reset Controls	GEN	CLOSED	92701	2006-008	Mitigating Systems Barrier Integrity
BF1- 35	BU 84-02 Failure of GE type HFA Relays in use in class 1E Safety Systems	GEN	OPEN	92701	2004-009	Mitigating Systems
BF1- 36	BU 86-02 Static "O" Ring Differential Pressure Switches	GEN	CLOSED	92701	2005-006	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 37	BU 88-03 Inadequate Latch Engagement in HFA Type Relays Manufactured by GE	GEN	CLOSED	92701	2004-009	Mitigating Systems
BF1- 38	BU 88-04 Potential Safety Related Pump Loss	GEN	CLOSED	92701	2004-009	Mitigating Systems
BF1- 39	BU 88-07 Power Oscillation in Boiling Water Reactors	GEN	CLOSED	92701	2006-007	Initiating Events Barrier Integrity
BF1- 40	BU 88-10 Nonconforming Molded-Case Circuit Breakers	GEN	CLOSED	92701	2005-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 41	BU 90-01 Loss of Fill Oil in Rosemount Transmitters	GEN	CLOSED	92701	2005-009	Mitigating Systems
BF1- 42	BU 93-02 Debris Plugging of Emergency Core Cooling Suction Strainers	GEN	CLOSED	92701	2006-006 2006-008	Barrier Integrity
BF1- 43	BU 93-03 Resolution of Issues Related to Reactor Vessel Water Level Instruments in BWR's	GEN	CLOSED	92701	2006-009	Mitigating Systems
BF1- 44	BU 95-02 Unexpected Clogging of a RHR Pump Strainer While Operating in Suppression Pool Cooling Mode	GEN	CLOSED	92701	2006-006	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 45	BU 96-03 Potential Plugging of Emergency Core Cooling Suction Strainers by Debris in Boiling Water Reactors	GEN	CLOSED	92701	2006-006 2006-009	Mitigating Systems Barrier Integrity
BF1- 46	GL 82-33 Instumentation to Follow the Course of an Accident - R.G. 1.97	GEN	CLOSED	92701	2005-007	Mitigating Systems
BF1- 47	GL 83-08 Modification of Vacuum Breakers on Mark 1 Containments	GEN	CLOSED	92701	2005-006	Barrier Integrity
BF1- 48	GL 83-28 Salem ATWS - Item 1.2 Trip Review - Item 4.5.2 Periodic On-Line Testing - item 4.5.3 Intervals for On-Line Testing	GEN	OPEN	92701	2006-007	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 49	GL 87-02 Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors	GEN	CLOSED	92701	2004-006 2006-006 2007-009	Mitigating Systems Barrier Integrity
BF1- 50	GL 88-01 NRC Position on IGSCC in BWR Austenitic Stainless Steel Piping	GEN	CLOSED	92701	2005-008 2006-006 2006-007	Barrier Integrity
BF1- 51	GL 88-11 Radiation Embrittlement of Reactor Vessel Materials and its Impact on Plant Operations	GEN	CLOSED	92701	2006-007	Barrier Integrity
BF1- 52	GL 88-14 Instrument Air Supply System Problems Affecting Safety Related Equipment	GEN	OPEN	92701	2005-008	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 53	GL 88-20 Individual Plant Examination and Supplement 4, Individual Plant Examination of External Events for Severe Accident Vulnerabilities	GEN	NOT REQUIRED	93804		Mitigating Systems Initiating Events Barrier Integrity
BF1- 54	GL 89-06 Safety Parameter Display System	GEN	OPEN	92701	2006-007	Mitigating Systems Barrier Integrity
BF1- 55	GL 89-08 Erosion/Corrosion - Induced Pipe Wall Thinning	GEN	CLOSED	92701	2005-009	Barrier Integrity
BF1- 56	GL 89-10 Safety-Related Motor-Operated Valve Testing and Surveillance	GEN	CLOSED	37550	2004-009 2006-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 57	GL 89-13 Service Water System Problems Affecting Safety Related equipment	GEN	CLOSED	92701	2005-009 2006-007	Mitigating Systems Barrier Integrity
BF1- 58	GL 89-16 Installation of a Hardened Wetwell Vent	GEN	CLOSED	92701	2005-006	Barrier Integrity
BF1- 59	GL 92-01 Reactor Vessel Structural Integrity	GEN	CLOSED	55100 37550	2006-007	Barrier Integrity
BF1- 60	GL 92-04 Resolution of the Issues Related to Reactor Vessel Water Level Instrumentation in BWRs.	GEN	CLOSED	37550 37551	2006-009	Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 61	GL 94-02 Long-Term Solutions and Upgrade of Interim Operating Recommendations for Thermal-Hydraulic Instabilities in BWRs	GEN	OPEN	92701	2006-007	Mitigating Systems Initiating Events Barrier Integrity
BF1- 62	GL 94-03 Intergranular Stress Corrosion Cracking of Core Shrouds in BWR's	GEN	CLOSED	92701	2005-008	Barrier Integrity
BF1- 63	GL 95-07 Pressure Locking and Thermal Binding of Safety-Related and Power-Operated Gate Valves	GEN	CLOSED	37550 37551	2006-006	Mitigating Systems
BF1- 64	GL 96-01 Testing of Safety-Related Logic Circuits	GEN	CLOSED	37550	2006-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 65	GL 96-05 Periodic Verification of Design Basis Capability of Motor Operated Valves	GEN	CLOSED	92701	2005-009	Mitigating Systems
BF1- 66	GL 96-06 Assurance of Equipment Operability and Containment Integrity During Design Basis Accident Conditions	GEN	CLOSED	92701	2005-008	Mitigating Systems Barrier Integrity
BF1- 67	GL 97-04 Assurance of Sufficient Net Positive Suction for Emergency Core Cooling and Containment Heat Removal Pumps	GEN	CLOSED	92701	2006-006 2006-009	Mitigating Systems Barrier Integrity
BF1- 68	GL 98-01 Readiness of Computer Systems at Nuclear Power Plants	GEN	CLOSED	92701	2005-006	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 69	GL 98-04 Potential for Degradation of the ECCS and Containment Spray System After a LOCA because of Construction and Protective Coating Deficiencies and Foreign Material in Containment	GEN	CLOSED	37550 37551	2006-006 2006-008	Mitigating Systems Barrier Integrity
BF1- 70	Control Room Design Review	TMI	OPEN	92701	2006-007	Mitigating Systems Initiating Events
BF1- 71 *	Safety Parameter Display Console	TMI	OPEN	92701	2006-007	Mitigating Systems Initiating Events Barrier Integrity
BF1- 72	Post-Accident Sampling System	TMI	CLOSED	92701	2006-006	Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 73	Containment Isolation Dependability - Implement Diverse Isolation, containment purge valves	TMI	CLOSED	37550	2007-009	Mitigating Systems Barrier Integrity
BF1- 74 *	Accident - Monitoring - Containment High Range Radiation	TMI	OPEN	92701	2006-006	Mitigating Systems Barrier Integrity
BF1- 75	Accident Monitoring - Containment Pressure	TMI	CLOSED	92701	2005-006	Mitigating Systems Barrier Integrity
BF1- 76	Accident - Monitoring - Containment Water Level	TMI	CLOSED	92701	2005-006	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 77	(Generic Letter 84-23) Insturmentation for Detection of Inadequate Core Cooling	TMI	CLOSED	92701	2005-007	Mitigating Systems Barrier Integrity
BF1- 78	HPCI/RCIC Initiation Levels	TMI	CLOSED	92701	2005-007	Mitigating Systems
BF1- 79	ADS Actuation Modifications	TMI	OPEN	92701	2005-007	Mitigating Systems Barrier Integrity
BF1- 80	Common reference level for BWR	TMI	CLOSED	92701	2005-008	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 81	Qualification of ADS Accumulators	TMI	CLOSED	92701	2005-007	Mitigating Systems Barrier Integrity
BF1- 82	MPA-B011 Flood of equipment important to safety	MPA	CLOSED	92701	2006-007	Mitigating Systems Initiating Events
BF1- 83	MPA-B041 Fire Protection Final TS (including SER Supplement)	MPA	CLOSED	92701	2006-007	Mitigating Systems Initiating Events
BF1- 84	MPA-C002 BWR recirculation pump trip (ATWS)	MPA	CLOSED	92701	2006-007	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 85	TI 2500/20 - Inspection to determine compliance with ATWS Rule 10CFR 50.62	TI	CLOSED	92701	2006-007	Mitigating Systems Initiating Events
BF1- 86	TI 2515/111 EDSFI Followup	TI	CLOSED	92701 93811 TI 2515/111	2006-008	Mitigating Systems Initiating Events
BF1- 87	TI 2515/154 Spent Fuel Material Control and Accountability	TI	CLOSED	92701	2004-008	Initiating Events Barrier Integrity
BF1- 88	TI 2515/156 Offsite Power System Readiness	TI	CLOSED	92701	2004-008	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 89	TI 2515/157 Mark I and II Containment Operations	TI	CLOSED	37550 37551		Barrier Integrity
BF1- 90	USI A-7 Mark 1 Long-Term Program, NUREG-0661, Supplement 1	MPA	CLOSED	92701	2006-007	Barrier Integrity
BF1- 91	USI A-9 ATWS	MPA	CLOSED	92701	2006-007	Mitigating Systems Initiating Events
BF1- 92	USI A-24 Qualification of Class 1E Safety-Related Equipment	MPA	CLOSED	92701	2006-007	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 93	USI A-26 Reactor Vessel Pressure Transient Protection	MPA	CLOSED	92701	2006-007	Barrier Integrity
BF1- 94	USI A-44 Station Blackout	MPA	CLOSED	37550 37551	2006-009 2007-009	Mitigating Systems Initiating Events
BF1- 95	USI A-46 Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors	MPA	CLOSED	92701	2006-006 2007-009	Mitigating Systems
BF1- 96	USI A-75 MPA-B085, Required actions on Generic Implications of Salem ATWS Events, Section 1.2, Post Trip Review	MPA	CLOSED	92701	2006-007	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 97	New Simulator qualification/ Fidelity and Operator Staffing-Review licensee's new simulator to support 3 unit operations. Review Licensed Operator Staffing Plans.	MISC	NOT REQUIRED	37550 37551		Mitigating Systems Initiating Events
BF1- 98	Lay-up Inspections	MISC	CLOSED	92050	2004-006	Mitigating Systems Barrier Integrity
BF1- 99	In-vessel inspections, core spray, UT- Full RPV internals/weld inspections complete 2005 for 10-yr ISI	RWA	CLOSED	55050 37550 37551 71111.08	2005-008 2005-009 2006-006 2006-007	Barrier Integrity
BF1- 100	Operational Readiness Assessment Team inspection (ORAT)	MISC	CLOSED	93806	2007-006	Mitigating Systems Initiating Events Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 101	Common Accident Signal	MISC	CLOSED	37551 71111.17	2005-006	Mitigating Systems Initiating Events
BF1- 102	Extended Power Uprate-Determine scope of needed inspection reviews to support licensing action	MISC	NOT REQUIRED	37550 37551		Mitigating Systems Initiating Events Barrier Integrity
BF1- 103	Enhanced Restart Monitoring-Restart Panel to determine duration. Proposed 24 hr coverage.	MISC	NOT REQUIRED	72518 72526		Mitigating Systems Initiating Events Barrier Integrity
BF1- 104	License Renewal Application-Determine scope of needed inspection reviews to support licensing action	LR	CLOSED	37550	2007-011	

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 105	Maintenance Rule-U1 to comply with scoping requirements of 50.65(b) for systems required to be operable or TS applicable.	MISC	CLOSED	37550	2006-009	Mitigating Systems Barrier Integrity
BF1- 106	License Amendment 234 Review - Improved Standard TS	MISC	CLOSED			
BF1- 107	Turbine Building Dynamic Seismic Analysis-Confirm seismic accelerations for Turbine Building	MISC	CLOSED	37550 37551	2007-009	Mitigating Systems
BF1- 108	GL 2003-01 Control Room Habitability	GEN	NOT REQUIRED	37550	2007-009	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 109	RCS Pipe Replacement MODs	RWA	CLOSED	37550 37551 55050 57050 57060 57090 73753 73755 71111.08	2003-009 2003-011 2004-006 2004-007 2004-008 2004-009 2005-006 2006-006	Mitigating Systems Barrier Integrity
The following Items (109 and above) are being tracked for completeness only.						
BF1- 110	Common Accident Signal Logic Changes	RWA	CLOSED	71111.17 37550 37551	2004-007 2004-008 2004-009 2005-006 2005-007	Mitigating Systems Initiating Events
BF1- 111	ECCS Systems MODs	RWA	CLOSED	71111.17 37550 37551	2004-006 2004-007 2004-008 2004-009 2005-006 2005-007 2005-008 2005-009 2006-006 2006-007	Mitigating Systems
BF1- 112	RHRSW MODs	RWA	CLOSED	37550 37551 71111.17	2004-006 2005-008 2005-009 2006-007	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 113	Cable Installation Activities	RWA	CLOSED	37550 37551	2003-011 2005-007 2005-009 2006-006 2006-007 2006-012 2006-009 2007-009	Mitigating Systems
BF1- 114	EQ MODs	RWA	CLOSED	35301 37550 37551	2004-009 2005-007 2006-006 2006-009	Mitigating Systems
BF1- 115	Cable Splices and Terminations	RWA	CLOSED	37550 37551	2006-007	Mitigating Systems
BF1- 116	CRDR MODs	RWA	CLOSED	71111.17 37550 37551	2004-006 2004-009 2005-006 2005-007 2005-008 2005-009 2006-006 2006-007	Mitigating Systems Initiating Events

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 117	Cable Tray and Conduit Modifications	RWA	CLOSED	62002 71111.17 37550 37551	2003-009 2003-010 2005-008	Mitigating Systems
BF1- 118	Large Bore Pipe Support MODs	RWA	CLOSED	35301 37550 37551	2006-009	Mitigating Systems Barrier Integrity
BF1- 119	Small Bore Pipe Support MODs	RWA	CLOSED	37551	2005-008 2006-008	Mitigating Systems Barrier Integrity
BF1- 120	Instrument Sensing Lines MODs	RWA	CLOSED	35301 37550 37551	2006-008 2006-009	Mitigating Systems Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 121	Fire Protection Changes	RWA	CLOSED	64704 37550 37551	2004-009 2005-016 2006-012 2007-009	Mitigating Systems Barrier Integrity Initiating Events
BF1- 122	Common Accident Signal Logic Acceptance Test	RT	CLOSED	37550 37551 92901	2006-008	Initiating Events Mitigating Systems
BF1- 123	Full ROP Transition Review	ROP	OPEN	92701		Mitigating Systems Initiating Events Barrier Integrity
BF1- 124	Develop Enhanced ROP Baseline Inspection Plan	ROP	CLOSED	37550 37551		Mitigating Systems Initiating Events Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 125	Mitigating Systems Cornerstone Open Items Closeout Inspection	ROP	CLOSED	37550 37551	2007-009	Mitigating Systems
BF1- 126	Initiating Events Cornerstone Open Items Closeout Inspection	ROP	CLOSED	37550 37551	2007-009	Initiating Events
BF1- 127	Barrier Integrity Cornerstone Open Items Closeout Inspection	ROP	CLOSED	37550 37551	2007-009	Barrier Integrity
BF1- 128	Post SPOC II Review - SLC	SPOC	CLOSED	37551	2006-008	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 129	Post SPOC II Review - 250 VDC	SPOC	CLOSED	37551	2006-008	Mitigating Systems
BF1- 130	Post SPOC II Review - CS	SPOC	CLOSED	37551	2006-009	Mitigating Systems
BF1- 131	Post SPOC II Review - RHR	SPOC	CLOSED	37551	2006-009	Mitigating Systems
BF1- 132	Post SPOC II Review - RPS	SPOC	CLOSED	37551	2006-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 133	Post SPOC II Review - RBCCW	SPOC	CLOSED	37551	2006-009	Mitigating Systems
BF1- 134	Post SPOC II Review - CRD	SPOC	CLOSED	37551	2006-009	Mitigating Systems
BF1- 135	Post SPOC II Review - RCIC	SPOC	CLOSED	37551	2007-009	Mitigating Systems
BF1- 136	Post SPOC II Review - HPCI	SPOC	CLOSED	37551	2007-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 137	Post SPOC II Review - Main Steam	SPOC	CLOSED	37551	2007-006	Mitigating Systems
BF1- 138	License Renewal Followup Inspection	LR	CLOSED	92701 37550 37551	2007-011	Mitigating Systems Barrier Integrity
BF1- 139	Core Spray Acceptance Test	RT	CLOSED	37551	2006-008	Mitigating Systems
BF1- 140	Control Rod Drive Acceptace Test	RT	CLOSED	37551	2006-009 2007-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 141	250 V DC Distribution Acceptance Test	RT	CLOSED	37551	2006-008	Mitigating Systems
BF1- 142	Standby Liquid Control System Acceptance Test	RT	CLOSED	37551	2006-008	Mitigating Systems
BF1- 143	RHR Acceptance Test	RT	CLOSED	37551	2006-009	Mitigating Systems
BF1- 144	Reactor Core Isolation Cooling Acceptance Test	RT	CLOSED	37551	2006-009	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 145	Reactor Protection Acceptance Test	RT	CLOSED	37551	2006-009	Mitigating Systems
BF1- 146	Reactor Building Closed Cooling Water Acceptance Test	RT	CLOSED	37551	2006-009	Mitigating Systems
BF1- 147	High Pressure Coolant Injection Acceptance Test	RT	CLOSED	37551	2007-009	Mitigating Systems
BF1- 148	Main Steam Acceptance Test	RT	CLOSED	37551	2007-006	Mitigating Systems

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 149	Diesel Generator Load Acceptance Test	RT	CLOSED	37551	2006-009	Mitigating Systems
BF1- 150	480 Volt Shutdown Board Load Shed Logic Acceptance Test	RT	CLOSED	37551	2006-008	Mitigating Systems
BF1- 151	ECCS Actuation Acceptance Test	RT	CLOSED	37551	2006-008 2006-009	Mitigating Systems
BF1- 152	Refueling and Outage Activities Inspection	MISC	CLOSED	71111.20	2006-009 2007-009	Mitigating Systems Initiating Events Barrier Integrity

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 153	Fire Protection Walkdown	MISC	CLOSED	71111.05	2006-004 2006-005 2006-009	Mitigating Systems Initiating Events Barrier Integrity
BF1- 154	Equipment Alignments		CLOSED	71111.04	2006-009	Mitigating Systems
BF1- 155	Power Ascension Testing	PAT	OPEN	71111.20		Mitigating Systems Initiating Events Barrier Integrity
BF1- 156	Self-Assessment	MISC	OPEN	35301		

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 157	GL 87-02 closeout - scope of inspections	GEN	CLOSED	37551	2007-009	
BF1- 158	URI, 06-08-02, Impact of Duct tape on Instrument tubing	URI	CLOSED		2006-009	
BF1- 159	IFI 95-55-01, Containment Air Monitors	IFI	CLOSED	92701	2006-009	
BF1- 160	Part 21 on OTEC instruments		CLOSED		2006-009	

IP&S ID Number	Issue/Activity Description	Type of Issue/ Activity	Status	Inspection Procedure(s)	Inspection Report(s)	Cornerstone(s)
BF1- 161	Complete Area Turnover for all areas required for Fuel Load	AT	CLOSED		2006-009	Mitigating Systems Initiating Events Barrier Integrity
BF1- 162	Complete Area Turnover for all areas required for Mode 2	AT	CLOSED		2006-009 2007-009	Mitigating Systems Initiating Events Barrier Integrity
BF1- 163	URI 06-12-01, Feasibility of local operator actions to achieve safe shutdown	URI	OPEN			
BF1- 164	URI 06-09-03, Criteria was not adequately defined to ensure divisional separation for cables were maintained	URI	CLOSED		2007-009	

NOTES

LEGEND FOR TYPE FIELD

Type	Description
GEN	Generic Communication
IFI	Inspector Followup Item
LA	Licensing Action
LR	License Renewal
MISC	Miscellaneous
NCV	Noncited Violation
OI	Open Item
PAT	Power Ascension Testing
REG	Regulatory Issue
ROP	ROP Transition
RT	Restart Test
RWA	Renovation Work Activity
SP	Special Program
SPOC	System Pre-Operability Checklist
TMI	Three Mile Island
URI	Unresolved Item
VIO	Violation
AT	Area Turnover
MPA	Multi-Plant Action
TI	Technical Instruction

** Items marked with an asterisk (*) are items in IP&S that have been reopened to better reflect TVA's commitment completion status as documented in TVA's quarterly status report. The Restart Oversight Panel recognized that eventhough these items are being reopened, NRC efforts applicable to the issues have been completed and no further inspections are anticipated. The items will continue to be reviewed and closed by the Panel when deemed appropriate. The change is only administrative in nature and does not impact NRC's assessment of Browns Ferry Unit 1 nor NRC's scheduling of resources.*

On March 5, 2007 the Panel added a new category in the issue status field. This category is the "Not Required" category which better clarifies and identifies those items which are not required to be completed prior to restart but will continue to be tracked for completeness. The change is only administrative in nature and does not impact NRC's assessment of Browns Ferry Unit 1 nor NRC's scheduling of resources. The items that were identified as "Not Required" and no longer require completion prior to Restart but will continue to be tracked in IP&S are the following: Item #25, Probabilistic Safety Assessment (PSA); Item #53, GL 88-20 Individual Plant Examination and Supplement 4, Individual Plant Examination of External Events for Severe Accident Vulnerabilities; Item #97, New Simulator qualification/ Fidelity and Operator Staffing-Review licensee's new simulator to support 3 unit operations; Item #102, Extended Power Uprate-Determine scope of needed inspection reviews to support licensing action; Item #103, Enhanced Restart Monitoring-Restart Panel to determine duration. Proposed 24 hr coverage; Item #108, GL 2003-01 Control Room Habitability

Item #25, Probabilistic Safety Assessment (PSA) has been updated to "Not Required" based on document reviews, including NRC staff verification that commitments pertaining to PSA had been previously addressed. The Restart Oversight Panel determined that TVA resolved the PSA issue during Unit 3 restart with the submittal of the Browns Ferry Multi-Unit PSA and dependency matrices, as stated in TVA's Regulatory Framework letter dated December 13, 2002. Furthermore, NRC Regulatory Framework letter dated August 13, 2003 did not identify PSA as a special program.