



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
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ATLANTA, GEORGIA 30303-8931**

August 30, 2004

Tennessee Valley Authority
ATTN.: Mr. K. W. Singer
Chief Nuclear Officer and
Executive Vice President
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - BROWNS
FERRY NUCLEAR PLANT**

Dear Mr. Singer:

On August 4, 2004, the NRC staff completed its mid-cycle plant performance assessment of the operating Units 2 and 3 at the Browns Ferry Nuclear Plant. The mid-cycle review for Browns Ferry involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility. This will allow you an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities. This performance review and the enclosed inspection plan do not include physical protection information. A separate mid-cycle performance review letter, designated and marked as "Proprietary Information in accordance with 10 CFR 2.390(d)(1)," will include the physical protection review and a resultant inspection plan.

Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, in accordance with the NRC's Reactor Oversight Process (ROP), we plan to conduct only baseline inspections at the operating Units 2 and 3 through March 31, 2006. We also plan on conducting several inspections which are not part of the routine baseline inspection program. These inspections include your Independent Spent Fuel Storage Installation (ISFSI) dry run and license renewal activities.

In addition, we will continue to conduct routine oversight inspections of the Unit 1 Recovery Project and we have planned specialized inspections of significant Unit 1 modification work. Specific area reviews regarding the readiness of some Unit 1 Cornerstones for transition to the normal ROP will be incorporated into some planned inspections, including the area of Radiological Protection.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4520 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Stephen J. Cahill, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket Nos. 50-259, 50-260, 50-296 and 72-52
License Nos. DPR-33, DPR-52, and DPR-68

Enclosure: Browns Ferry Inspection/Activity Plan

cc w/encl: (See page 3)

TVA

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cc w/encl:

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Distribution w/encl: (See page 4)

Browns Ferry
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PS-RP	- RP OCCUPATIONAL & UNIT 1 RESTART REVIEWS	2			
1, 2, 3	IP 7112102	ALARA Planning and Controls		09/07/2004	09/10/2004	Baseline Inspections
1, 2, 3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/07/2004	09/10/2004	Baseline Inspections
	EB1-BF1	- EQ, THERMAL OVERLOADS U1 SPECIAL PROG	2			
1	IP 37550	Engineering		10/04/2004	10/08/2004	Core
	EB1-BF1	- ELECTRICAL PROGRAMS	2			
1	IP 37550	Engineering		11/01/2004	11/05/2004	Core
	EB2BF1	- WELDING ACTIVITIES	2			
1	IP 55050	Nuclear Welding General Inspection Procedure		11/01/2004	11/05/2004	Other Routine
	EB1-BF1	- CABLE INSTALLATION, FLEX CONDUIT U1 SP	3			
1	IP 37551	Onsite Engineering		11/15/2004	11/19/2004	Core
	EB2-BF1	- SMALL BORE PIPING	1			
1	IP 37551	Onsite Engineering		11/15/2004	11/19/2004	Core
	LIC RENE	- LICENSE RENEWAL INSPECTION	5			
1, 2, 3	IP 71002	License Renewal Inspection		11/29/2004	12/03/2004	License Renewal Ins
1, 2, 3	IP 71002	License Renewal Inspection		12/13/2004	12/17/2004	License Renewal Ins
	EB1-BF1	- FIRE PROTECTION - UNIT 1 PROGRAM REVIEW	3			
1	IP 37550	Engineering		12/06/2004	12/10/2004	Core
1	IP 64704	Fire Protection Program		12/06/2004	12/10/2004	Other Routine
	OL RQ	- REQUAL INSPECTION	2			
1, 2, 3	IP 7111111B	Licensed Operator Requalification Program		12/06/2004	12/10/2004	Baseline Inspections
	EB1SSDPC	- SSDPC PRE-INSPECTION VISIT	2			
2, 3	IP 7111121	Safety System Design and Performance Capability		12/13/2004	12/17/2004	Baseline Inspections
	EB2BF1	- WELDING	2			
1	IP 37551	Onsite Engineering		01/10/2005	01/14/2005	Core
	EB1SSDPC	- SAFETY SYSTEM DESIGN & PERF. CAPABILITY	5			
2, 3	IP 7111121	Safety System Design and Performance Capability		01/10/2005	01/14/2005	Baseline Inspections
2, 3	IP 7111121	Safety System Design and Performance Capability		01/24/2005	01/28/2005	Baseline Inspections
	EB2-BF1	- CRD PIPING & INST TUBING	2			
1	IP 37550	Engineering		01/24/2005	01/27/2005	Core
	EB2BF1	- LARGE BORE PIPE SUPPORTS	1			
1	IP 37550	Engineering		01/31/2005	02/04/2005	Core
	EB1ELECT	- CABLE INSTALLATION	3			
1	IP 37551	Onsite Engineering		02/14/2005	02/18/2005	Core
1	IP 37551	Onsite Engineering		02/28/2005	03/04/2005	Core

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

ENCLOSURE

Browns Ferry
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB2-ISI - UNIT 2 INSERVICE INSPECTION		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		02/28/2005	03/04/2005	Baseline Inspections
	EB2BF1 - UNIT 1 ISI & WELDING ACTIVITIES		3			
1	IP 37550	Engineering		02/28/2005	03/04/2005	Core
	PS-RP - RAD PROTECTION OCCUPATIONAL - WEEK 1		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/28/2005	03/04/2005	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		02/28/2005	03/04/2005	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		02/28/2005	03/04/2005	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		02/28/2005	03/04/2005	Baseline Inspections
	PS-RP - RAD PROTECTION OCCUPATIONAL - WEEK 2		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/14/2005	03/18/2005	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		03/14/2005	03/18/2005	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		03/14/2005	03/18/2005	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		03/14/2005	03/18/2005	Baseline Inspections
	EB2-MR - MAINTENANCE RULE		1			
2, 3	IP 7111112B	Maintenance Effectiveness		04/18/2005	04/22/2005	Baseline Inspections
	EB1ELECT - CABLE INSTALLATION		3			
1	IP 37551	Onsite Engineering		05/02/2005	05/06/2005	Core
	OL EP - EMERGENCY EXERCISE		2			
1, 2, 3	IP 7111401	Exercise Evaluation		06/06/2005	06/10/2005	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/06/2005	06/10/2005	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		06/06/2005	06/10/2005	Baseline Inspections
	EB2BF1 - SEISMIC II/I		2			
1	IP 37551	Onsite Engineering		07/25/2005	07/29/2005	Core
	EB1BF1 - EQ, FUSES, SPLICES		1			
1	IP 37551	Onsite Engineering		08/22/2005	08/26/2005	Core
	EB1BF1 - CABLE INSTALLATION		1			
1	IP 37551	Onsite Engineering		08/22/2005	08/26/2005	Core
	60854 - ISFSI DRY RUN INSPECTION		1			
2, 3	IP 60854	Preoperational Testing Of An ISFSI		09/05/2005	09/09/2005	Other Routine
	BF1ELECT - EQ, SPLICES, FUSES		1			
1	IP 37550	Engineering		09/19/2005	09/23/2005	Core
	OL PREP - INITIAL EXAM PREP		3			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		10/03/2005	10/07/2005	Not Applicable

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Browns Ferry
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	OL EXAM - INITIAL EXAM		3			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		10/17/2005	10/21/2005	Not Applicable
	DRP BR6 - PROBLEM IDENTIFICATION AND RESOLUTION		4			
1, 2, 3	IP 71152B	Identification and Resolution of Problems		10/31/2005	11/04/2005	Baseline Inspections
1, 2, 3	IP 71152B	Identification and Resolution of Problems		11/14/2005	11/18/2005	Baseline Inspections
	EB2-BF1 - ELEC CONDUIT / HVAC / SEISMIC III/ INSP		2			
1	IP 62002	Inspection Of Structures, Passive Components, And Civil Engineering Features At Nuclear F		12/05/2005	12/09/2005	Other Routine
	EB2-MODS - MODIFICATIONS/10CFR50.59		1			
2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/09/2006	01/13/2006	Baseline Inspections
2, 3	IP 711117B	Permanent Plant Modifications		01/09/2006	01/13/2006	Baseline Inspections
	PS-RP - RP PUBLIC BASELINE		3			
1, 2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/30/2006	02/03/2006	Baseline Inspections
1, 2, 3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/30/2006	02/03/2006	Baseline Inspections
1, 2, 3	IP 7112203	Radiological Environmental Monitoring Program		01/30/2006	02/03/2006	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		01/30/2006	02/03/2006	Baseline Inspections