



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 31, 2006

Tennessee Valley Authority
ATTN: Mr. Karl 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 2, 2006, the NRC staff completed its performance review of the operating Units 2 and 3 at the Browns Ferry Nuclear Power Plant for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed 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 for Units 2 and 3, and our plans for future inspections at your facility for all three units.

This performance review and the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, Browns Ferry Units 2 and 3 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Browns Ferry Units 2 and 3 for the most recent quarter was in 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, we plan to conduct reactor oversight process (ROP) baseline inspections for the operating Units 2 and 3. In addition, we plan to conduct non-ROP inspections involving verification of the Mitigating Systems Performance Index, the Independent Spent Fuel Storage Installation, extended power up-rate modifications and verifications, and followup of license renewal activities.

With regard to Unit 1, we will continue to conduct routine oversight inspections of the Unit 1 Recovery Project in accordance with the U.S. Nuclear Regulatory Commission's (NRC) Inspection Manual Chapter (MC) 2509, "Browns Ferry Unit 1 Restart Project Inspection Program." As such, we have planned specialized inspections of Unit 1 Special Programs, significant modification work activities, restart testing, regulatory issues, and open items.

We also informed you by our letter dated December 29, 2004, that we will be monitoring Browns Ferry Unit 1 performance in the Occupational Radiation Safety, Public Radiation Safety, and Emergency Preparedness Cornerstones using the normal ROP. Therefore, we only plan to conduct baseline ROP inspections of these areas for Unit 1. The three remaining Unit 1 Cornerstones (i.e., Initiating Events, Mitigating Systems, and Barrier Integrity) will be fully transitioned to the ROP following completion of the Unit 1 Recovery Project. Please note that as this transition progresses several planned ROP baseline inspections related to these Unit 1 Cornerstones will be conducted in accordance with IMC 2509.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to minimize the resource impact on your staff and to allow for the resolution of any scheduling conflicts and personnel availability issues well 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) 562-4550 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Malcolm T. Widmann, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure: Browns Ferry Inspection/Activity Plan

cc w/encl: (See page 3)

TVA

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cc w/encl:
Ashok S. Bhatnagar
Senior Vice President
Nuclear Operations
Tennessee Valley Authority
Electronic Mail Distribution

State Health Officer
Alabama Dept. of Public Health
RSA Tower - Administration
Suite 1552
P. O. Box 303017
Montgomery, AL 36130-3017

Larry S. Bryant, Vice President
Nuclear Engineering & Technical Services
Tennessee Valley Authority
Electronic Mail Distribution

Chairman
Limestone County Commission
310 West Washington Street
Athens, AL 35611

Brian O'Grady
Site Vice President
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

Masoud Bajestani, Vice President
Browns Ferry Unit 1 Restart
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Decatur, AL 35609

Preston D. Swafford
Senior Vice President
Nuclear Support
Tennessee Valley Authority
Electronic Mail Distribution

Robert G. Jones, General Manager
Browns Ferry Site Operations
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Decatur, AL 35609

General Counsel
Tennessee Valley Authority
Electronic Mail Distribution

John C. Fornicola, Manager
Nuclear Assurance and Licensing
Tennessee Valley Authority
Electronic Mail Distribution

Bruce M. Aukland, Plant Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

Glenn W. Morris, Manager
Corporate Nuclear Licensing
and Industry Affairs
Tennessee Valley Authority
Electronic Mail Distribution

William D. Crouch, Manager
Licensing and Industry Affairs
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

Browns Ferry
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	2515/169 - TI 2515/169 - MSPI VERIFICATION		1			
1, 2, 3	IP 2515/169	Mitigating Systems Performance Index Verification		08/01/2006	12/31/2006	Safety Issues
	BUL 80-6 - ENGINEERING SAFETY RESET CONTROL		1			
1	IP 37550	Engineering		08/28/2006	09/01/2006	Other Routine
	EB3-BF1 - INSTRUMENT LINE SUPPORTS		1			
1	IP 37550	Engineering		08/28/2006	09/01/2006	Other Routine
1	IP 37550	Engineering		09/05/2006	09/08/2006	Other Routine
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		6			
2, 3	IP 7111105T	Fire Protection [Triennial]		08/28/2006	09/01/2006	Baseline Inspections
2, 3	IP 7111105T	Fire Protection [Triennial]		09/11/2006	09/15/2006	Baseline Inspections
	EB3BF1 - TORUS INTEG, LRG BORE AND BU 79-02, 14		1			
1	IP 37550	Engineering		08/28/2006	09/01/2006	Other Routine
1	IP 37550	Engineering		09/18/2006	09/22/2006	Other Routine
	EB1 BF1 - DRYWELL COATINGS		1			
1	IP 37550	Engineering		09/18/2006	09/22/2006	Other Routine
	EB2 BF1 - CABLE INSTALLATION		1			
1	IP 51053	Electrical Components And Systems - Work Observation		09/18/2006	09/22/2006	Other Routine
	EDSFI - EDSFI FOLLOW-UP		1			
1	IP 37550	Engineering		09/18/2006	09/22/2006	Other Routine
	OL RQ - REQUAL INSPECTION		4			
1, 2, 3	IP 7111111B	Licensed Operator Requalification Program		09/18/2006	09/22/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		6			
1	IP 7111105T	Fire Protection [Triennial]		09/25/2006	09/29/2006	Baseline Inspections
	EB3 BF1 - SMALL BORE AND INSTRUMENT TUBING		1			
1	IP 37550	Engineering		10/02/2006	10/05/2006	Other Routine
	EB2 SBO - SBO FOR UNIT 1		1			
1	IP 37550	Engineering		10/10/2006	10/13/2006	Other Routine
	EB2 BF1 - EQ, PIECE PARTS		1			
1	IP 51053	Electrical Components And Systems - Work Observation		10/16/2006	10/20/2006	Other Routine
	EB1ELECT - CABLE AMPACITY		1			
1	IP 37550	Engineering		10/23/2006	10/27/2006	Other Routine
	ENGR - GL 92-04, 93-03 AND 96-01		1			
1	IP 37551	Onsite Engineering		10/23/2006	11/03/2006	Other Routine
	EB2 BF1 - CABLE INSTALLATION		1			
1	IP 51053	Electrical Components And Systems - Work Observation		11/13/2006	11/17/2006	Other Routine

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
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB3 BF1 - LICENSE RENEWAL FOLLOWUP U1		1			
1	IP 92701	Followup		12/03/2006	12/07/2006	Other Routine
	EB3MR - UNIT 1 MAINTENANCE RULE		1			
1	IP 62706	Maintenance Rule		12/11/2006	12/15/2006	Other Routine
	DRP/BR6 - MC 2509 AND SPOC II		5			
1	IP 37550	Engineering		12/11/2006	12/25/2006	Other Routine
	START-UP - START-UP TEST PROCEDURE REVIEW MC 72300		1			
1	IP 71004	Power Uprate		01/08/2007	01/12/2007	Other Routine
	ORAT - UNIT 1 ORAT		5			
1	IP 93806	Operational Readiness Assessment Team		01/15/2007	01/19/2007	Other Routine
	INSP - MC 2509 / MC 0350/ SPOC II CLOSE OUT		4			
1	IP 37551	Onsite Engineering		01/21/2007	01/25/2007	Core
	PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT		1			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/05/2007	02/07/2007	Baseline Inspections
	EB3-MR - MR EFFECTIVENESS		1			
1, 2, 3	IP 7111112B	Maintenance Effectiveness		02/05/2007	02/09/2007	Baseline Inspections
	START-UP - MC 72502, 72302, 72400, 72526, 72518,		4			
1	IP 71004	Power Uprate		02/05/2007	03/30/2007	Other Routine
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP WEEK 1		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/26/2007	03/02/2007	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		02/26/2007	03/02/2007	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		02/26/2007	03/02/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		02/26/2007	03/02/2007	Baseline Inspections
	EB3-ISI - U2 INSERVICE INSPECTION		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/05/2007	03/09/2007	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP WEEK 2		3			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/19/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		03/19/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		03/19/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		03/19/2007	03/23/2007	Baseline Inspections
	EPU - POWER UPRATE MC 71004		2			
1	IP 71004	Power Uprate		03/19/2007	03/23/2007	Other Routine
1	IP 71004	Power Uprate		04/02/2007	04/06/2007	Other Routine
	START-UP - START-UP TEST RESULTS EVALUATION MC72301		2			
1	IP 71004	Power Uprate		04/16/2007	04/20/2007	Other Routine

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Browns Ferry
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	LTT	- LARGE TRANSIENT TESTING MC 72514, 72510	5			
1	IP 71004	Power Uprate		04/23/2007	04/28/2007	Other Routine
	60855.1	- OPERATIONAL ISFSI INSPECTION BY RESIDENT	1			
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/09/2007	07/13/2007	Other Routine
	PS2-EP	- EP EXERCISE	2			
1, 2, 3	IP 7111401	Exercise Evaluation		07/23/2007	07/27/2007	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/23/2007	07/27/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		07/23/2007	07/27/2007	Baseline Inspections
	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	5			
1, 2, 3	IP 71152B	Identification and Resolution of Problems		08/06/2007	08/10/2007	Baseline Inspections
1, 2, 3	IP 71152B	Identification and Resolution of Problems		08/20/2007	08/24/2007	Baseline Inspections
	OL PREP	- INITIAL EXAM PREP	5			
1	V23268	BROWNS FERRY/SEPTEMBER 2007 EXAM AT POWER FACILITIES		08/06/2007	08/10/2007	Not Applicable
	OL EXAM	- INITIAL EXAM	5			
1	V23268	BROWNS FERRY/SEPTEMBER 2007 EXAM AT POWER FACILITIES		08/27/2007	08/31/2007	Not Applicable
	CDBI	- COMPONENT DESIGN BASES INSPECTION	9			
1, 2, 3	IP 7111121	Component Design Bases Inspection		10/29/2007	11/02/2007	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		11/12/2007	11/16/2007	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		11/26/2007	11/30/2007	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		12/10/2007	12/14/2007	Baseline Inspections
	EB3HS	- HEAT SINK	1			
1, 2, 3	IP 7111107B	Heat Sink Performance		01/28/2008	02/01/2008	Baseline Inspections
	OL PREP	- INITIAL EXAM PREP	3			
1	V23278	BROWNS FERRY/FEBRUARY 2008 EXAM AT POWER FACILITIES		01/28/2008	02/01/2008	Not Applicable
	OL EXAM	- INITIAL EXAM	3			
1	V23278	BROWNS FERRY/FEBRUARY 2008 EXAM AT POWER FACILITIES		02/25/2008	03/07/2008	Not Applicable
	EB3-ISI	- UNIT 3 - ISI	1			
3	IP 7111108G	Inservice Inspection Activities - BWR		03/10/2008	03/14/2008	Baseline Inspections