



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

August 30, 2005

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, 2005, the NRC staff completed its performance review of the operating Units 2 and 3 at the Browns Ferry Nuclear Plant for the first half of the calendar year 2005 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 and our plans for future inspections at your facility.

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 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, 2007. We also plan on conducting several inspections which, although routine, are not part of the normal baseline inspection program. These inspections include any needed reviews of your license renewal program activities and extended power uprate modifications.

In addition, we will continue to conduct routine oversight inspections of the Unit 1 Recovery Project in accordance with the NRC Inspection Manual Chapter (MC) 2509, "Browns Ferry Unit 1 Restart Project Inspection Program." We have planned specialized inspections of significant Unit 1 modification work, Unit 1 Recovery Special Programs, and other open items. Also, as we notified you in a letter, dated December 29, 2004, we will be monitoring the Unit 1 Occupational Radiation Safety, Public Radiation Safety, Emergency Preparedness, and Physical Protection Cornerstones under the normal reactor oversight process (ROP). Therefore, we plan to conduct only baseline inspections of these areas for Unit 1.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2007. 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)562-4520 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, and 50-296
License Nos. DPR-33, DPR-52, and DPR-68

Enclosure: Browns Ferry Inspection/Activity Plan

cc w/encl: (See page 3)

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

Larry S. Bryant, General Manager
Nuclear Engineering
Tennessee Valley Authority
Electronic Mail Distribution

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

Robert J. Beecken, Vice President
Nuclear Support
Tennessee Valley Authority
Electronic Mail Distribution

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

State Health Officer
Alabama Dept. of Public Health
RSA Tower - Administration
201 Monroe St., Suite 700
P. O. Box 303017
Montgomery, AL 36130-3017

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

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

Robert G. Jones, Restart Manager
Browns Ferry Unit 1 Restart
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Decatur, AL 35609

Browns Ferry
Inspection / Activity Plan
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB1-BF1 - DESIGN CALCULATION VERIFICATION		3			
1	IP 37551	Onsite Engineering		08/29/2005	09/02/2005	Other Routine
	EB1BF1 - EQ, FUSES, SPLICES		1			
1	IP 37551	Onsite Engineering		09/12/2005	09/16/2005	Other Routine
	EB1BF1 - EQ, FUSES, SPLICES		1			
1	IP 37550	Engineering		09/19/2005	09/23/2005	Other Routine
	EB3-BF1 - OPEN ITEMS UNIT 1		1			
1	IP 37551	Onsite Engineering		09/19/2005	09/23/2005	Other Routine
	LICREN - LICENSE RENEWAL FOLLOWUP INSPECTION		6			
1, 2, 3	IP 71002	License Renewal Inspection		09/19/2005	09/23/2005	License Renewal Insp
	OL PREP - INITIAL EXAM PREP		2			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		09/19/2005	09/23/2005	Not Applicable
	EB1ELECT - CABLE AMPACITY		1			
1	IP 37550	Engineering		10/03/2005	10/07/2005	Other Routine
	OL EXAM - INITIAL EXAM		3			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		10/17/2005	10/21/2005	Not Applicable
	EB2 BF1 - APPENDIX R		2			
1	IP 37551	Onsite Engineering		10/17/2005	10/21/2005	Other Routine
1	IP 37551	Onsite Engineering		10/31/2005	11/04/2005	Other Routine
	EB2 BF1 - CABLE INSTALLATION		1			
1	IP 37551	Onsite Engineering		10/24/2005	10/28/2005	Other Routine
	BF1 - FIRE PROTECTION		1			
1	IP 37550	Engineering		10/31/2005	11/04/2005	Other Routine
	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
	BF1 - FIRE PROTECTION		1			
1	IP 37550	Engineering		11/14/2005	11/18/2005	Other Routine
	DRP BR6 - PROBLEM IDENTIFICATION AND RESOLUTION		4			
1, 2, 3	IP 71152B	Identification and Resolution of Problems		11/14/2005	11/18/2005	Baseline Inspections
	EB3-BF1 - ELEC CONDUIT / HVAC / SEISMIC III/ I INSP		2			
1	IP 62002	Inspection Of Structures, Passive Components, And Civil Engineering Features At Nuclear P		11/28/2005	12/02/2005	Other Routine
	EB3BF1 - LARGE BORE PIPE SUPPORTS		2			
1	IP 37550	Engineering		11/28/2005	12/02/2005	Other Routine
	IEB90-01 - BROWNS FERRY UNIT 1 IEB 90-01 CLOSURE		2			
1	IP 92701	Followup		11/28/2005	12/02/2005	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
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	BUL 80-6 - ENGINEERING SAFETY RESET CONTROL		1			
1	IP 37550	Engineering		12/05/2005	12/09/2005	Other Routine
	EB3BF1 - INSTRUMENT TUBING		1			
1	IP 37550	Engineering		12/05/2005	12/09/2005	Other Routine
	GEN ITEM - OPEN ITEM CLOSURE BL 88-10, GL 96-01		2			
1	IP 92701	Followup		12/05/2005	12/09/2005	Other Routine
	EB3BF1 - TORUS INTEGRITY, LARGE BORE PIPING		1			
1	IP 37550	Engineering		12/12/2005	12/16/2005	Other Routine
	PS1-RP - RADIATION PROTECTION - PRE - INSP VISIT		1			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		01/09/2006	01/11/2006	Baseline Inspections
	EB1-MODS - MODIFICATIONS/10CFR50.59		4			
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
	EB3BF1 - INSTRUMENT TUBING		2			
1	IP 37550	Engineering		01/09/2006	01/13/2006	Other Routine
	EB3BF1 - LARGE BORE PIPING		1			
1	IP 37550	Engineering		01/09/2006	01/13/2006	Other Routine
	OPN ITEM - OPEN ITEMS BL 88-10 GL 96-01		2			
1	IP 92701	Followup		01/09/2006	01/14/2006	Other Routine
	EB1BF1 - CABLE INSTALLATION		1			
1	IP 37550	Engineering		01/17/2006	01/20/2006	Other Routine
	EB3BF1 - SMALL BORE PIPING, PLATFORMS, COATINGS		1			
1	IP 37550	Engineering		01/30/2006	02/03/2006	Other Routine
	PS1-RP - RP PUBLIC BASELINE		4			
1, 2, 3	IP 2515/161	Transportation of Reactor Control Rod Drives in Type A Packages		01/30/2006	02/03/2006	Safety Issues
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		01/30/2006	02/03/2006	Baseline Inspections
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 (REMP) And Radioactive Material Control P		01/30/2006	02/03/2006	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		01/30/2006	02/03/2006	Baseline Inspections
	EB3BF1 - TORUS INTEGRITY		1			
1	IP 37550	Engineering		02/06/2006	02/10/2006	Other Routine
	EB3BF1 - PIPING SUPPORTS		2			
1	IP 37550	Engineering		02/27/2006	03/03/2006	Other Routine

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Browns Ferry
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09/01/2005 - 03/31/2007

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	OPS BR - OPEN ITEMS UNIT 1		1			
1	IP 37551	Onsite Engineering		02/27/2006	03/03/2006	Other Routine
	EB3-ISI - U3 INSERVICE INSPECTION		2			
3	IP 7111108G	Inservice Inspection Activities - BWR		03/06/2006	03/10/2006	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		3			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		03/27/2006	03/31/2006	Not Applicable
	EB1BF1 - CABLE INSTALLATION		1			
1	IP 51061	Electric Cable - Procedure Review		04/03/2006	04/07/2006	Other Routine
	OL EXAM - INITIAL EXAM		3			
1	V23214	BROWNS FERRY/EXAMS AT POWER FACILITIES		05/01/2006	05/12/2006	Not Applicable
	EB3-HS - HEAT SINK		2			
2, 3	IP 7111107B	Heat Sink Performance		05/22/2006	05/26/2006	Baseline Inspections
	PS2-EP - EP INSP		1			
1, 2, 3	IP 7111402	Alert and Notification System Testing		05/29/2006	06/02/2006	Baseline Inspections
1, 2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		05/29/2006	06/02/2006	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		05/29/2006	06/02/2006	Baseline Inspections
1, 2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		05/29/2006	06/02/2006	Baseline Inspections
1, 2, 3	IP 711151	Performance Indicator Verification		05/29/2006	06/02/2006	Baseline Inspections
	EB3BF1 - UNIT 1 GL89-13		1			
1	IP 37550	Engineering		06/12/2006	06/16/2006	Other Routine
	EB3BF1 - GL 87-02 & 96-06		1			
1	IP 37550	Engineering		07/24/2006	07/28/2006	Other Routine
	EB2-TFP - TRIENNIAL FP PRE-INSPECTION VISIT		4			
1, 2	IP 7111105T	Fire Protection [Triennial]		08/01/2006	08/03/2006	Baseline Inspections
	EB1BF1 - CABLE INSTALLATION		1			
1	IP 51053	Electrical Components And Systems - Work Observation		08/14/2006	08/18/2006	Other Routine
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
2, 3	IP 7111105T	Fire Protection [Triennial]		08/28/2006	09/01/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
2, 3	IP 7111105T	Fire Protection [Triennial]		09/11/2006	09/15/2006	Baseline Inspections
	EB3MR - UNIT 1 MAINTENANCE RULE		2			
1	IP 62706	Maintenance Rule		09/11/2006	09/15/2006	Other Routine
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
1	IP 7111105T	Fire Protection [Triennial]		09/25/2006	09/29/2006	Baseline Inspections

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	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		1			
1, 2, 3	IP 7111121	Safety System Design and Performance Capability		10/30/2006	11/03/2006	Baseline Inspections
	EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY		6			
1, 2, 3	IP 7111121	Safety System Design and Performance Capability		11/13/2006	11/17/2006	Baseline Inspections
1, 2, 3	IP 7111121	Safety System Design and Performance Capability		11/27/2006	12/01/2006	Baseline Inspections
1, 2, 3	IP 7111121	Safety System Design and Performance Capability		12/11/2006	12/15/2006	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1, 2, 3	IP 7111111B	Licensed Operator Requalification Program		12/04/2006	12/08/2006	Baseline Inspections
	EB3-MR - MR EFFECTIVENESS		2			
1, 2, 3	IP 7111112B	Maintenance Effectiveness		01/29/2007	02/02/2007	Baseline Inspections
	PSB1 - RP OCCUPATIONAL PRE-INSP VISIT		1			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		01/29/2007	01/31/2007	Baseline Inspections
	DRP/BR6 - ORAT INSPECTION FOR UNIT 1		5			
1	IP 93806	Operational Readiness Assessment Team		02/01/2007	02/15/2007	Other Routine
	PSB1 - RP OCCUPATIONAL BASELINE INSP WEEK 1		3			
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
	PSB1 - RP OCCUPATIONAL BASELINE INSP WEEK 2		3			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/17/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		03/17/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		03/17/2007	03/23/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		03/17/2007	03/23/2007	Baseline Inspections