



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

March 2, 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: ANNUAL ASSESSMENT LETTER - BROWNS FERRY NUCLEAR PLANT,
INSPECTION REPORT 05000259/2005001, 05000260/2005001, AND
05000296/2005001

Dear Mr. Singer:

On February 10, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the operating Units 2 and 3 at the Browns Ferry Nuclear Plant. The end-of-cycle review for these Browns Ferry units involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 end-of-cycle performance review 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.

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 the most recent quarter, as well as for the first three quarters of the assessment cycle, 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, we plan to conduct only reactor oversight process (ROP) baseline inspections at Units 2 and 3 through September 30, 2006. We also plan to conduct several non-ROP inspections which include your independent spent fuel storage installation project, extended power uprate verifications, and license renewal activities.

ML050610644-pkg
ML050610652-ltr
ML050610654-encl

Additionally, we will continue to conduct routine oversight inspections of the Unit 1 Recovery Project and have planned specialized inspections of significant Unit 1 modification work. In accordance with the U.S. Nuclear Regulatory Commission's (NRC) Inspection Manual Chapter (MC) 2509, "Browns Ferry Unit 1 Restart Project Inspection Program," an individual cornerstone of safety may become monitorable by inspection and performance indicators under the reactor oversight process (ROP). Once a cornerstone has been considered monitorable by the ROP, MC 0609, "Significance Determination Process (SDP)," will be utilized to characterize the significance of findings resulting from the routine inspection effort of MC 2515, "Light-Water Reactor Inspection Program - Operations Phase," for that cornerstone. Likewise, once a cornerstone has been determined by the NRC to be monitorable by the ROP, then the enforcement for any findings from NRC inspections for that cornerstone may be administered in accordance with the Commission's current Enforcement Policy.

In calendar year 2004, the NRC determined that the transition criteria have been met for the Occupational Radiation Safety, Public Radiation Safety, Emergency Preparedness, and Physical Protection Cornerstones. As we informed you in our letter, dated December 29, 2004, NRC inspections for Unit 1 in these areas will be monitored under the ROP during the current assessment cycle, as they have been previously assessed for Units 2 and 3.

The enclosed inspection plan details the inspections discussed above, less those related to physical protection, scheduled through September 30, 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 nine months of the inspection plan are tentative and may be revised at the NRC's mid-cycle assessment 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 this 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 by S. Shaeffer for/

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

Docket Nos. 50-259, 50-260, 50-296, 72-52
License No. DPR-33, DPR-52, 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

Michael J. Lorek, General Manager
Engineering and Technical Services
Tennessee Valley Authority
Electronic Mail Distribution

Michael D. Skaggs
Site Vice President
Browns Ferry Nuclear Plant
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

Kurt L. Krueger, Plant Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

Fredrick C. Mashburn
Sr. Program Manager
Nuclear Licensing
Tennessee Valley Authority
Electronic Mail Distribution

Timothy E. Abney, 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
Suite 1552
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

Institute of Nuclear Power Operations
700 Galleria Parkway
Atlanta, GA 30339-5957

Browns Ferry
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PS1-RP - RP OCCUPATIONAL BASELINE - WEEK 1		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/21/2005	03/25/2005	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		03/21/2005	03/25/2005	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		03/21/2005	03/25/2005	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		03/21/2005	03/25/2005	Baseline Inspections
	MTN-BF1 - UNIT 1 ISI & WELDING ACTIVITIES		1			
1	IP 37550	Engineering		03/28/2005	04/01/2005	Other Routine
	MTN-ISI - U2 INSERVICE INSPECTION		2			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/28/2005	04/01/2005	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL BASELINE - WEEK 2		3			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		04/04/2005	04/08/2005	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		04/04/2005	04/08/2005	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		04/04/2005	04/08/2005	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		04/04/2005	04/08/2005	Baseline Inspections
	MNTBF1 - CRD, SMALL BORE PIPING		1			
1	IP 37550	Engineering		04/11/2005	04/14/2005	Other Routine
	MTN-MR - MR EFFECTIVENESS		1			
2, 3	IP 7111112B	Maintenance Effectiveness		04/18/2005	04/22/2005	Baseline Inspections
	PS 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
	MNTBF1 - U1 ISI		1			
1	IP 7111108G	Inservice Inspection Activities - BWR		06/13/2005	06/16/2005	Other Routine
1	IP 37550	Engineering		06/27/2005	07/01/2005	Other Routine
	MNTBF1 - LARGE BORE PIPE SUPPORTS		1			
1	IP 37550	Engineering		06/20/2005	06/25/2005	Other Routine
	ISFSI - DRY RUN		1			
2, 3	IP 60854	Preoperational Testing Of An ISFSI		07/05/2005	07/29/2005	Other Routine
	MNTBF1 - PLATFORMS; PIPING		1			
1	IP 37550	Engineering		07/18/2005	07/22/2005	Other Routine
	MTN-BF1 - SEISMIC II/I		2			
1	IP 37551	Onsite Engineering		07/25/2005	07/29/2005	Other Routine
	EB2 BF1 - CABLE INSTALLATION		2			
1	IP 37551	Onsite Engineering		08/01/2005	08/05/2005	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
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	MNTBF1 - OPEN ITEMS UNIT 1		1			
1	IP 37551	Onsite Engineering		08/08/2005	08/11/2005	Other Routine
	EB1BF1 - EQ, FUSES, SPLICES		1			
1	IP 37551	Onsite Engineering		08/22/2005	08/26/2005	Other Routine
	EB2BF1 - CABLE INSTALLATION		1			
1	IP 37551	Onsite Engineering		08/22/2005	08/26/2005	Other Routine
	MNTBF1 - OPEN ITEMS UNIT 1		2			
1	IP 71152	Identification and Resolution of Problems		08/29/2005	08/31/2005	Other Routine
	ISFSI - 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	Other Routine
	OL PREP - INITIAL EXAM PREP		3			
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		10/24/2005	10/28/2005	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
1, 2, 3	IP 71152B	Identification and Resolution of Problems		11/14/2005	11/18/2005	Baseline Inspections
	LICREN - LICENSE RENEWAL FOLLOWUP INSPECTION		5			
1, 2, 3	IP 71002	License Renewal Inspection		11/28/2005	12/02/2005	License Renewal Insp
	MTN-BF1 - ELEC CONDUIT / HVAC / SEISMIC III/ INSP		2			
1	IP 62002	Inspection Of Structures, Passive Components, And Civil Engineering Features At Nuclear P		12/05/2005	12/09/2005	Other Routine
	EB1-MODS - MODIFICATIONS/10CFR50.59		3			
2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/09/2006	01/13/2006	Baseline Inspections
2, 3	IP 7111117B	Permanent Plant Modifications		01/09/2006	01/13/2006	Baseline Inspections
	PS1-RP - RP PUBLIC BASELINE		4			
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

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

Browns Ferry
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PS1-RP - RP PUBLIC BASELINE		4			
1, 2, 3	IP 71151	Performance Indicator Verification		01/30/2006	02/03/2006	Baseline Inspections
	MTN-ISI - U3 INSERVICE INSPECTION		1			
3	IP 7111108G	Inservice Inspection Activities - BWR		03/06/2006	03/10/2006	Baseline Inspections
	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		1			
1	IP 7111121	Safety System Design and Performance Capability		03/06/2006	03/08/2006	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		3			
1	V23231	BROWNS FERRY/EXAMS AT POWER FACILITIES		03/27/2006	03/31/2006	Not Applicable
	EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY		6			
1	IP 7111121	Safety System Design and Performance Capability		04/10/2006	04/14/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		04/24/2006	04/28/2006	Baseline Inspections
	OL EXAM - INITIAL EXAM		3			
1	V23214	BROWNS FERRY/EXAMS AT POWER FACILITIES		05/01/2006	05/12/2006	Not Applicable
	MTN-HS - HEAT SINK		1			
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		06/05/2006	06/09/2006	Baseline Inspections
1, 2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		06/05/2006	06/09/2006	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/05/2006	06/09/2006	Baseline Inspections
1, 2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/05/2006	06/09/2006	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		06/05/2006	06/09/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FP PRE-INSPECTION VISIT		4			
1, 2	IP 7111105T	Fire Protection		08/01/2006	08/03/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
2, 3	IP 7111105T	Fire Protection		08/28/2006	09/01/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
2, 3	IP 7111105T	Fire Protection		09/11/2006	09/15/2006	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION		4			
1, 3	IP 7111105T	Fire Protection		09/25/2006	09/29/2006	Baseline Inspections