



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

Southern Nuclear Operating Company, Inc.
ATTN: Mr. L. M. Stinson
Vice President - Farley Project
P. O. Box 1295
Birmingham, AL 35201-1295

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - JOSEPH M.
FARLEY NUCLEAR PLANT

Dear Mr. Stinson:

On August 3, 2005, the NRC staff completed its performance review of the Joseph M. Farley 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, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility through March 31, 2007. We also plan on conducting several inspections which are not part of the routine baseline inspection program. These inspections include reactor head replacement, pressurizer penetrations, and the independent spent fuel storage installation.

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).

SNC

2

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,

IRA

Malcolm T. Widmann, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket No(s). 50-348, 50-364
License No(s). NPF-2, NPF-8

Enclosure: Farley Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl: Continued

B. D. McKinney, Licensing
Services Manager, B-031
Southern Nuclear Operating
Company, Inc.
Electronic Mail Distribution

J. R. Johnson
General Manager, Farley Plant
Southern Nuclear Operating
Company, Inc.
Electronic Mail Distribution

J. T. Gasser
Executive Vice President
Southern Nuclear Operating
Company, Inc.
Electronic Mail Distribution

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

M. Stanford Blanton
Balch and Bingham Law Firm
P. O. Box 306
1710 Sixth Avenue North
Birmingham, AL 35201

William D. Oldfield
Quality Assurance Supervisor
Southern Nuclear Operating Company
Electronic Mail Distribution

Farley
Inspection / Activity Plan
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB3-ISI - U2 INSERVICE INSPECTION		2			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/24/2005	10/28/2005	Baseline Inspections
	EB3TI160 - 2515/160 U-2: PZR PENTRATION NOZZLES		1			
2	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		10/24/2005	10/28/2005	Safety Issues
	MTN-HEAD - U-2 REACTOR HEAD REPLACEMENT		2			
2	IP 71007	Reactor Vessel Head Replacement Inspection		10/24/2005	10/28/2005	Other Routine
	PS1-RP - RP BASELINE & RX HEAD REPLACEMENT		1			
2	IP 71007	Reactor Vessel Head Replacement Inspection		10/31/2005	11/04/2005	Other Routine
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/31/2005	11/04/2005	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		10/31/2005	11/04/2005	Baseline Inspections
	EB3-MR - MR EFFECTIVENESS		1			
1,2	IP 7111112B	Maintenance Effectiveness		11/14/2005	11/18/2005	Baseline Inspections
	EB3URI - URI CCHX OPERABILITY JUSTIFICATION		1			
1,2	IP 71152	Identification and Resolution of Problems		12/12/2005	12/14/2005	Baseline Inspections
	EB3-HS - HEAT SINK		2			
1,2	IP 7111107B	Heat Sink Performance		02/27/2006	03/03/2006	Baseline Inspections
	PS1-RP - RP PREINSPECTION OCCUPATIONAL/ ISFSI		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/13/2006	03/15/2006	Baseline Inspections
	PS1-RP - RP BASELINE OCCUPATIONAL WK1		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/03/2006	04/07/2006	Baseline Inspections
	EB3-ISI - U1 INSERVICE INSPECTION		2			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/10/2006	04/14/2006	Baseline Inspections
	EB3SGISI - U1 STEAM GENERATOR ISI		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/17/2006	04/21/2006	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL BASELINE WK2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/17/2006	04/21/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		04/17/2006	04/21/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		04/17/2006	04/21/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/17/2006	04/21/2006	Baseline Inspections
	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		1			
1,2	IP 7111121	Safety System Design and Performance Capability		06/26/2006	06/30/2006	Baseline Inspections

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

Enclosure

Farley
Inspection / Activity Plan
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY		7			
1,2	IP 7111121	Safety System Design and Performance Capability		07/17/2006	07/21/2006	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		07/31/2006	08/04/2006	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		08/14/2006	08/18/2006	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/14/2006	08/18/2006	Baseline Inspections
	PS2-EP - EP EXERCISE		3			
1,2	IP 7111401	Exercise Evaluation		09/11/2006	09/15/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/11/2006	09/15/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/11/2006	09/15/2006	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		3			
1	V23234	FARLEY/EXAMS AT POWER FACILITIES		10/02/2006	10/06/2006	Not Applicable
	OL EXAM - INITIAL EXAM		3			
1	V23234	FARLEY/EXAMS AT POWER FACILITIES		10/23/2006	11/03/2006	Not Applicable
	PSB - RP PUBLIC PRE-INSP VISIT/ ISFSI		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		12/18/2006	12/20/2006	Baseline Inspections
	PSB1 - RP PUBLIC BASELINE INSP		4			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		01/08/2007	01/12/2007	Baseline Inspections