



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 5, 2012

Mr. T. A. Lynch
Vice President
Southern Nuclear Operating Company, Inc.
Joseph M. Farley Nuclear Plant
Farley Nuclear Plant
P.O. Drawer 470
BIN B500
Ashford, AL 36312

**SUBJECT: ANNUAL ASSESSMENT LETTER – JOSEPH M. FARLEY NUCLEAR PLANT
UNITS 1 AND 2 (REPORT 05000348/2011007 AND 05000364/2011007)**

Dear Mr. Lynch:

On February 14, 2012, the NRC completed its end-of-cycle performance review of Joseph M. Farley Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Farley Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Farley Units 1 and 2 during the most recent quarter was within the Licensee Response column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all performance indicators (PIs) indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at Farley Units 1 and 2.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. The NRC will also conduct temporary instructions 2515/172 "Reactor Coolant System Dissimilar Metal Butt Welds" and 2515/182 "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks" and operator licensing examinations.

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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 404-997-4611 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Frank Ehrhardt, Chief
Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-348 and 50-364
License Nos.: NPF-2 and NPF-8

Enclosure: Farley Inspection/Activity Plan (01/01/2012 – 06/30/2013)

cc w/encl: (See page 3)

cc w/encl:
S. Kuczynski
Chairman, President and CEO
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

J. L. Pemberton
SVP & General Counsel-Ops & SNC
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. G. Bost
Chief Nuclear Officer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Paula Marino
Vice President
Engineering
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

M. J. Ajluni
Nuclear Licensing Director
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Mark Williams
Commissioner
Georgia Department of Natural Resources
Electronic Mail Distribution

B. D. McKinney, Jr.
Regulatory Response Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. W. Daughhetee
Licensing Engineer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. D. Honeycutt
Regulatory Response Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Bradley J. Adams
Vice President
Fleet Operations Support
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

N. J. Stringfellow
Licensing Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. P. Hill
Licensing Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. L. Crumpton
Administrative Assistant, Sr.
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

William D. Oldfield
Principal Licensing Engineer
Joseph M. Farley Nuclear Plant
Electronic Mail Distribution

Todd L. Youngblood
Plant Manager
Joseph M. Farley Nuclear Plant
Electronic Mail Distribution

John G. Horn
Site Support Manager
Joseph M. Farley Nuclear Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

(cc w/encl – See next 4)

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(cc w/encl cont;d)
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Joseph M. Farley Nuclear Plant
U.S. NRC
P. O. Box 620
Ashford, AL 36312

Cynthia A. Sanders
Radioactive Materials Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

James C. Hardeman
Environmental Radiation Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

Mr. Mark Culver
Chairman
Houston County Commission
P. O. Box 6406
Dothan, AL 36302

James L. McNees, CHP
Director
Office of Radiation Control
Alabama Dept. of Public Health
P. O. Box 303017
Montgomery, AL 36130-3017

Donald E. Williamson
State Health Officer
Alabama Dept. of Public Health
RSA Tower - Administration
Suite 1552
P.O. Box 30317
Montgomery, AL 36130-3017

Judson H. Turner
Director
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

Farley
Inspection / Activity Plan
03/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - ISFSI PAD EXPANSION		1
1, 2	03/12/2012	03/16/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			PSB1-RP - OCCUPATIONAL RP BASELINE WK1		2
1, 2	04/02/2012	04/06/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/02/2012	04/06/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/02/2012	04/06/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/02/2012	04/06/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	04/02/2012	04/06/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/02/2012	04/06/2012	IP 71151	Performance Indicator Verification	
			EB3 ISI - UNIT 1 INSERVICE INSPECTION		1
1	04/09/2012	04/13/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			PSB1-RP - OCCUPATIONAL RP BASELINE WK2		3
1, 2	04/16/2012	04/20/2012	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
1, 2	04/16/2012	04/20/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/16/2012	04/20/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/16/2012	04/20/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/16/2012	04/20/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	04/16/2012	04/20/2012	IP 71151	Performance Indicator Verification	
			PSB1EP - EMERGENCY PREPAREDNESS EXERCISE		4
1, 2	05/07/2012	05/11/2012	IP 7111401	Exercise Evaluation	
1, 2	05/07/2012	05/11/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	05/07/2012	05/11/2012	IP 71151	Performance Indicator Verification	
			OL EXAM - INITIAL EXAM PREP		3
1	05/21/2012	06/01/2012	V23373	FARLEY / JUNE 2012 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 1		2
1	06/18/2012	06/22/2012	V23373	FARLEY / JUNE 2012 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		2
1	06/25/2012	06/29/2012	V23373	FARLEY / JUNE 2012 EXAM AT POWER FACILITIES	
			OL RQ - REQUAL INSPECTION		2
1, 2	07/16/2012	07/19/2012	IP 7111111B	Licensed Operator Requalification Program	
			TI-182 - TI-182 BURIED PIPING/TANK - PHASE 1		1
1, 2	10/01/2012	10/05/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			MODS - TRIENNIAL MODIFICATIONS INSPECTION		4
1, 2	02/25/2013	03/01/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

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

Farley
Inspection / Activity Plan
03/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			MODS - TRIENNIAL MODIFICATIONS INSPECTION		4
1, 2	03/11/2013	03/15/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			PSB1-RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION		4
1, 2	04/15/2013	04/19/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/15/2013	04/19/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	04/15/2013	04/19/2013	IP 71151	Performance Indicator Verification	
			ISI - UNIT 2 INSERVICE INSPECTION		1
2	04/22/2013	04/26/2013	IP 7111108P	Inservice Inspection Activities - PWR	
			OL EXAM - INITIAL EXAM PREP		3
1	05/27/2013	05/31/2013	V23407	FARLEY/JUNE 2013 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 1		3
1	06/17/2013	06/21/2013	V23407	FARLEY/JUNE 2013 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		3
1	06/24/2013	06/28/2013	V23407	FARLEY/JUNE 2013 INITIAL EXAM AT POWER FACILITIES	

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