



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
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ATLANTA, GEORGIA 30303-8931**

March 4, 2002

Southern Nuclear Operating Company, Inc.  
ATTN: Mr. D. N. Morey  
Vice President  
P. O. Box 1295  
Birmingham, AL 35201

**SUBJECT: ANNUAL ASSESSMENT LETTER - JOSEPH M. FARLEY NUCLEAR PLANT  
(REPORT 50-348/02-01 AND 50-364/02-01)**

Dear Mr. Morey:

On February 4, 2002, the NRC staff completed its end-of-cycle plant performance assessment of the Farley Nuclear Plant. The end-of-cycle review for Farley involved the participation of all technical divisions in evaluating performance indicators (PIs) and inspection results for the period from April 1 through December 31, 2001. 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 provide you with the opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

As discussed in our previous annual assessment letter dated May 31, 2001, this inspection and assessment cycle consisted of three quarters (i.e. the second, third, and fourth calendar quarters of Calendar Year 2001) instead of the usual four quarters. This change was implemented in order to align the inspection and assessment cycle with the calendar year beginning on January 1, 2002.

Overall, Farley operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance at the end of 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 only baseline inspections at your facility through March 31, 2003.

While plant performance for the most recent quarter is within the Licensee Response Column of the Action Matrix, there was one safety significant inspection finding issued during the second quarter of the cycle. A White finding in the Physical Protection Cornerstone was issued on August 17, 2001, for problems that occurred during the July 2000 Operational Safeguards Response Evaluation (OSRE). This White finding placed Farley in the Regulatory Response Column of the NRC's Action Matrix. Consequently, by letters dated August 31, 2001, and October 22, 2001, we informed you of our plans to conduct a supplemental inspection for the finding. This supplemental inspection was completed in November 2001 and Inspection Report 50-348, 364/01-09 was issued on December 20, 2001, documenting your satisfactory response to the finding. A Regulatory Performance Meeting was conducted by Mr. Stephen Cahill, Chief, Division of Reactor Projects, Branch 2, with Mr. Michael Stinson and other members of your Farley management staff on December 18, 2001, to discuss the results of the inspection. The

completion of the supplemental inspection and the meeting fulfilled the Action Matrix requirements for the Regulatory Response Column, placing Farley back in the Licensee Response Column in December 2001. Additionally, as we noted in our last Annual Assessment letter dated May 31, 2001, we had planned to conduct an OSRE in September 2001. That effort was postponed due to the terrorist attacks on the World Trade Center and the Pentagon, but we plan to re-schedule it at the next available opportunity.

The enclosed inspection plan details the inspections scheduled through March 31, 2003. 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 last six months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

With respect to the terrorist attacks on the World Trade Center and the Pentagon, immediately following the attacks, the NRC issued safeguards advisories recommending that nuclear power plant licensees go to the highest level of security, and all promptly did so. With continued uncertainty about the possibility of additional terrorist activities, the Nation's nuclear power plants, including Farley, remain at a high level of security. On February 25, 2002, the NRC issued an Order to all nuclear power plant licensees, requiring them to take certain additional interim compensatory measures to address the generalized high-level threat environment. These additional compensatory requirements will provide the NRC with reasonable assurance that public health and safety and the common defense and security continue to be adequately protected in the current generalized high-level threat environment. These requirements will remain in effect pending notification from the Commission that a significant change in the threat environment occurs, or until the Commission determines that other changes are needed following a more comprehensive re-evaluation of current safeguards and security programs. To date, we have monitored the Southern Nuclear Operating Company's actions in response to the terrorist attacks through a series of audits. With the issuance of the Order, in addition to the inspections described in the enclosed plan, we will evaluate Farley's compliance with these interim requirements.

In accordance with 10 CFR 2.790 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).

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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 Stephen Cahill of my staff at 404-562-4520 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Loren R. Plisco, Director  
Division of Reactor Projects

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

Enclosure: Farley Nuclear Plant Inspection/Activity Plan

cc w/encl:

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**Farley**  
**Inspection / Activity Plan**  
**03/01/2002 - 03/31/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EB1-SSDI - SSDI - INSPECTION</b>		<b>5</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		03/04/2002	03/08/2002	Baseline Inspections
	<b>EB1-SSDI - SSDI - INSPECTION</b>		<b>5</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		03/18/2002	03/22/2002	Baseline Inspections
	<b>PS-SEC - SECURITY</b>		<b>1</b>			
1, 2	IP 7113001	Access Authorization Program (Behavior Observation Only)		05/13/2002	05/17/2002	Baseline Inspections
1, 2	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizati		05/13/2002	05/17/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		05/13/2002	05/17/2002	Baseline Inspections
	<b>BR2-BI - FLOOD PROTECTION</b>		<b>1</b>			
1, 2	IP 7111106	Flood Protection Measures		06/24/2002	06/27/2002	Baseline Inspections
	<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>			
1, 2	IP 7111111B	Licensed Operator Requalification		07/15/2002	07/19/2002	Baseline Inspections
	<b>EB1-FP - FP - PRE-INSPECTION VISIT</b>		<b>4</b>			
1, 2	IP 7111105T	Fire Protection		07/22/2002	07/26/2002	Baseline Inspections
	<b>EB2-HS - EB2-HS</b>		<b>1</b>			
1, 2	IP 7111107B	Heat Sink Performance		08/05/2002	08/09/2002	Baseline Inspections
	<b>EB1-FP - FP - INSPECTION</b>		<b>3</b>			
1, 2	IP 7111105T	Fire Protection		08/12/2002	08/16/2002	Baseline Inspections
	<b>OL EP - EMERGENCY EXERCISE</b>		<b>2</b>			
1, 2	IP 7111401	Exercise Evaluation		08/19/2002	08/23/2002	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/19/2002	08/23/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		08/19/2002	08/23/2002	Baseline Inspections
	<b>EB1-FP - FP - INSPECTION</b>		<b>3</b>			
1, 2	IP 7111105T	Fire Protection		09/09/2002	09/13/2002	Baseline Inspections
	<b>EB2-ISI - EB2-ISI</b>		<b>1</b>			
2	IP 7111108	Inservice Inspection Activities		09/16/2002	09/20/2002	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>3</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		09/16/2002	09/20/2002	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		09/16/2002	09/20/2002	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		09/16/2002	09/20/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/16/2002	09/20/2002	Baseline Inspections
	<b>2515/145 - TI 2515/145 (U2) RE: BULLETIN 01-01</b>		<b>1</b>			
2	IP 2515/145	Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin .		09/23/2002	09/29/2002	Safety Issues
	<b>PS-RP - RADIATION PROTECTION</b>		<b>3</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		09/30/2002	10/04/2002	Baseline Inspections

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

**Farley**  
**Inspection / Activity Plan**  
**03/01/2002 - 03/31/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>3</b>			
1, 2	IP 7112102	ALARA Planning and Controls		09/30/2002	10/04/2002	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		09/30/2002	10/04/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/30/2002	10/04/2002	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION-@ SMYRNA ENV. LAB</b>	<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program		10/30/2002	11/01/2002	Baseline Inspections
	<b>EB2-MODS</b>	<b>- EB2-MODS/50.59</b>	<b>3</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/10/2003	02/14/2003	Baseline Inspections
1, 2	IP 711117B	Permanent Plant Modifications		02/10/2003	02/14/2003	Baseline Inspections