



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

August 31, 2006

Duke Power Company, LLC d/b/a
Duke Energy Carolinas, LLC (Duke)
ATTN: Mr. Bruce H. Hamilton
Site Vice President
Oconee Nuclear Station
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - OCONEE
NUCLEAR STATION

Dear Mr. Hamilton:

On August 2, 2006, the NRC staff completed its performance review of the Oconee Nuclear Station for the first half of the calendar year 2006 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.

Overall, Oconee Units 1, 2, and 3 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Oconee Units 1, 2, and 3 for the most recent quarter was in 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 baseline inspections at your facility. In addition to the baseline inspections, we plan to conduct non-ROP inspections involving containment sump blockage, Mitigating System Performance Index, and Independent Spent Fuel Storage Installation.

For your information, the following issues are still under staff review as part of the Significance Determination Process and may warrant additional supplemental inspections if they are determined to be of greater than very low risk significance:

- Unresolved Item (URI) 05000269,270,287/2006002-01 (Failure to Maintain Design Control of SSF Flood Protection Barrier)
- URI 05000287/2006003-03 (Inadequate Foreign Material Exclusion Controls for the Unit 3, A and B Train Reactor Building Emergency Sump Suction Lines)

In addition, the staff is also continuing its review of licensing basis issues associated with tornado mitigation and high energy line break analysis.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. 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) 562-4540 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Michael E. Ernstes, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos.: 50-269, 50-270, 50-287, 72-04 and 72-40
License Nos.: DPR-38, DPR-47, DPR-55

Enclosure: Oconee Inspection/Activity Plan

cc w/encl: (See page 3)

DPC

3

Compliance Manager (ONS)
Duke Power Company, LLC
Electronic Mail Distribution

Lisa Vaughn
Associate General Counsel
Duke Power Company, LLC
526 South Church Street
Mail Code EC 07H
Charlotte, NC 28202

Timika Shafeek-Horton
Assistant General Counsel
Duke Power Company, LLC
526 South Church Street-EC07H
Charlotte, NC 28202

David A. Repka
Winston & Strawn LLP
Electronic Mail Distribution

Beverly Hall, Acting Director
Division of Radiation Protection
N. C. Department of Environmental
Health & Natural Resources
Electronic Mail Distribution

Henry J. Porter, Assistant Director
Div. of Radioactive Waste Mgmt.
S. C. Department of Health and
Environmental Control
Electronic Mail Distribution

R. Mike Gandy
Division of Radioactive Waste Mgmt.
S. C. Department of Health and
Environmental Control
Electronic Mail Distribution

County Supervisor of
Oconee County
415 S. Pine Street
Walhalla, SC 29691-2145

Lyle Graber, LIS
NUS Corporation
Electronic Mail Distribution

R. L. Gill, Jr., Manager

Nuclear Regulatory Issues
and Industry Affairs
Duke Power Company, LLC
526 S. Church Street
Charlotte, NC 28201-0006

Charles Brinkman
Director, Washington Operations
Westinghouse Electric Company
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852

Oconee
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	2515/169 - TI 2515/169 - MSPI VERIFICATION		1			
1, 2, 3	IP 2515/169	Mitigating Systems Performance Index Verification		08/01/2006	12/31/2006	Safety Issues
	EB1-MODS - MODIFICATIONS/10CFR50.59		3			
1, 2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/25/2006	09/29/2006	Baseline Inspections
1, 2, 3	IP 7111117B	Permanent Plant Modifications		09/25/2006	09/29/2006	Baseline Inspections
	EB3-ISI - UNIT 1 INSERVICE INSPECTION		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/16/2006	10/20/2006	Baseline Inspections
	EB3SGISI - UNIT 1 STEAM GENERATOR ISI		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/23/2006	10/27/2006	Baseline Inspections
	PSB1-RP - RP ACCESS CONTROL AND INSTRUMENTATION		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		10/30/2006	11/03/2006	Baseline Inspections
1, 2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/30/2006	11/03/2006	Baseline Inspections
	EB1-SUMP - PWR CONTAINMENT SUMP BLOCKAGE TI (U-1)		1			
1	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		11/19/2006	11/24/2006	Safety Issues
	PSB1-RP - RP PRE-INSP VISIT/ISFSI		1			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/19/2007	03/23/2007	Baseline Inspections
	OL RQ - REQUALIFICATION INSPECTION		2			
1, 2, 3	IP 7111111B	Licensed Operator Requalification Program		03/26/2007	03/30/2007	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP WK1		3			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		04/16/2007	04/20/2007	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		04/16/2007	04/20/2007	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		04/16/2007	04/20/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		04/16/2007	04/20/2007	Baseline Inspections
	EB3-ISI - UNIT 2 INSERVICE INSPECTION		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		04/23/2007	04/27/2007	Baseline Inspections
	EB3SGISI - UNIT 2 STEAM GENERATOR ISI		2			
2	IP 7111108P	Inservice Inspection Activities - PWR		04/30/2007	05/04/2007	Baseline Inspections
	EB1-SUMP - PWR CONTAINMENT SUMP BLOCKAGE TI (U-2)		1			
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		05/06/2007	05/11/2007	Safety Issues
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP WK2		2			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		05/07/2007	05/11/2007	Baseline Inspections
1, 2, 3	IP 7112102	ALARA Planning and Controls		05/07/2007	05/11/2007	Baseline Inspections
1, 2, 3	IP 7112202	Radioactive Material Processing and Transportation		05/07/2007	05/11/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		05/07/2007	05/11/2007	Baseline Inspections

Oconee
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PB1-PI&R - BIENNIAL PI&R INSPECTION		5			
1, 2, 3	IP 71152B	Identification and Resolution of Problems		07/09/2007	07/13/2007	Baseline Inspections
1, 2, 3	IP 71152B	Identification and Resolution of Problems		07/23/2007	07/27/2007	Baseline Inspections
	60855.1 - OPERATIONAL ISFSI RESIDENT INSPECTION		1			
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/09/2007	07/13/2007	Other Routine
	OL PREP - INITIAL EXAM PREPARATION		5			
1	V23266	OCONEE/AUGUST 2007 EXAM AT POWER FACILITIES		08/06/2007	08/10/2007	Not Applicable
	PS2-EP - EP INSP		1			
1, 2, 3	IP 7111402	Alert and Notification System Testing		08/06/2007	08/10/2007	Baseline Inspections
1, 2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		08/06/2007	08/10/2007	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/06/2007	08/10/2007	Baseline Inspections
1, 2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/06/2007	08/10/2007	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		08/06/2007	08/10/2007	Baseline Inspections
	OL EXAM - INITIAL EXAM WEEK 1		5			
1	V23266	OCONEE/AUGUST 2007 EXAM AT POWER FACILITIES		08/27/2007	08/31/2007	Not Applicable
	OL EXAM - INITIAL EXAM WEEK 2		2			
1	V23266	OCONEE/AUGUST 2007 EXAM AT POWER FACILITIES		09/10/2007	09/14/2007	Not Applicable
	EB3-ISI - UNIT 3 INSERVICE INSPECTION		1			
3	IP 7111108P	Inservice Inspection Activities - PWR		10/29/2007	11/02/2007	Baseline Inspections
	EB3SGISI - UNIT 3 STEAM GENERATOR ISI		1			
3	IP 7111108P	Inservice Inspection Activities - PWR		11/05/2007	11/09/2007	Baseline Inspections
	PSB1-RP - RP PUBLIC PRE-INSP VISIT		1			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		01/14/2008	01/16/2008	Baseline Inspections
	EB1CDBI - COMPONENT DESIGN BASES INSPECTION		5			
1, 2, 3	IP 7111121	Component Design Bases Inspection		02/11/2008	02/15/2008	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		02/25/2008	02/29/2008	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		03/10/2008	03/14/2008	Baseline Inspections
1, 2, 3	IP 7111121	Component Design Bases Inspection		03/24/2008	03/28/2008	Baseline Inspections
	PSB1-RP - RP PUBLIC BASELINE INSP		4			
1, 2, 3	IP 7112101	Access Control to Radiologically Significant Areas		03/03/2008	03/07/2008	Baseline Inspections
1, 2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/03/2008	03/07/2008	Baseline Inspections
1, 2, 3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		03/03/2008	03/07/2008	Baseline Inspections
1, 2, 3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		03/03/2008	03/07/2008	Baseline Inspections
1, 2, 3	IP 71151	Performance Indicator Verification		03/03/2008	03/07/2008	Baseline Inspections

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

Oconee
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
PS2-EP - EMERGENCY PREPAREDNESS EXERCISE			3			
1, 2, 3	IP 7111401	Exercise Evaluation		03/10/2008	03/14/2008	Baseline Inspections
1, 2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/10/2008	03/14/2008	Baseline Inspections
1, 2, 3	IP 71151-EP01	Drill/Exercise Performance		03/10/2008	03/14/2008	Baseline Inspections
1, 2, 3	IP 71151-EP02	ERO Drill Participation		03/10/2008	03/14/2008	Baseline Inspections
1, 2, 3	IP 71151-EP03	Alert & Notification System		03/10/2008	03/14/2008	Baseline Inspections

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