

## 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. G. R. Peterson
Vice President
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - MCGUIRE

**NUCLEAR STATION** 

Dear Mr. Peterson:

On August 2, 2006, the NRC staff completed its performance review of the McGuire 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, McGuire Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for McGuire Units 1 and 2 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 Pls 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, Reactor Pressure Vessel Penetration Nozzles, and Independent Spent Fuel Storage Installation.

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.

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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 <a href="http://www.nrc.gov/reading-rm/adams.html">http://www.nrc.gov/reading-rm/adams.html</a> (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.: 50-369, 50-370, and 72-38

License Nos.: NPF-9, NPF-17

Enclosure: McGuire Inspection/Activity Plan

cc w/encl: (See page 3)

DPC 3

cc w/encl:
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#### **McGuire**

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

Unit No. of Staff **Planned Dates** Inspection End Number Inspection Activity Title on Site Start **Type** 2515/169 - TI 2515/169 - MSPI VERIFICATION 1 IP 2515/169 1,2 Mitigating Systems Performance Index Verification 08/01/2006 12/31/2006 Safety Issues PSB1-RP - RP BASELINE OCCUPATIONAL WK1 2 IP 7112101 1,2 Access Control to Radiologically Significant Areas 09/18/2006 09/22/2006 Baseline Inspections 1,2 IP 7112102 ALARA Planning and Controls 09/18/2006 09/22/2006 Baseline Inspections 1,2 IP 7112202 Radioactive Material Processing and Transportation 09/18/2006 09/22/2006 **Baseline Inspections** IP 71151 1,2 Performance Indicator Verification 09/18/2006 09/22/2006 **Baseline Inspections EB3TI150** - 2515/150 U-2: RPV & VHP NOZZLES 1 2 IP 2515/150 Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-09/25/2006 09/29/2006 Safety Issues EB3-ISI - UNIT 2 INSERVICE INSPECTION 1 IP 7111108P 2 Inservice Inspection Activities - PWR 09/27/2006 10/06/2006 Baseline Inspections PSB1-RP - RP BASELINE OCCUPATIONAL WK2 2 1.2 IP 7112101 Access Control to Radiologically Significant Areas 10/02/2006 10/06/2006 **Baseline Inspections** 1,2 IP 7112102 **ALARA Planning and Controls** 10/02/2006 10/06/2006 Baseline Inspections 1,2 IP 7112202 Radioactive Material Processing and Transportation 10/02/2006 10/06/2006 **Baseline Inspections** 1,2 IP 71151 Performance Indicator Verification 10/02/2006 10/06/2006 **Baseline Inspections** PS2-EP - EMERGENCY PREPAREDNESS INSPECTION 1 1,2 IP 7111402 Alert and Notification System Testing 10/23/2006 10/27/2006 **Baseline Inspections** 1,2 IP 7111403 **Emergency Response Organization Augmentation Testing** 10/23/2006 10/27/2006 **Baseline Inspections** 1,2 IP 7111404 Emergency Action Level and Emergency Plan Changes 10/23/2006 10/27/2006 **Baseline Inspections** 1,2 IP 7111405 Correction of Emergency Preparedness Weaknesses and Deficiencies 10/23/2006 10/27/2006 Baseline Inspections 1,2 IP 71151 Performance Indicator Verification 10/23/2006 10/27/2006 **Baseline Inspections EB2-TFP** - FIRE PROTECTION-TRIENNIAL PRE INSP VISIT 6 IP 7111105T 1.2 Fire Protection [Triennial] 10/31/2006 11/02/2006 Baseline Inspections **EB2-TFP** - FIRE PROTECTION-TRIENNIAL 5 1,2 IP 7111105T Fire Protection [Triennial] 11/27/2006 12/01/2006 Baseline Inspections 1,2 IP 7111105T Fire Protection [Triennial] 12/11/2006 12/15/2006 Baseline Inspections - BIENNAL PI&R INSPECTION PB1-PI&R 4 1.2 IP 71152B Identification and Resolution of Problems 01/22/2007 01/26/2007 **Baseline Inspections** IP 71152B 1.2 Identification and Resolution of Problems 02/05/2007 02/09/2007 Baseline Inspections EB1-MODS - MODIFICATIONS-10CFR50.59 3 1.2 IP 7111102 Evaluation of Changes, Tests, or Experiments 02/12/2007 02/16/2007 **Baseline Inspections** Permanent Plant Modifications 1.2 IP 7111117B 02/12/2007 02/16/2007 Baseline Inspections **OL PREP** - INITIAL EXAM PREPARATION 3

This report does not include INPO and OUTAGE activities.

V23263

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This report shows only on-site and announced inspection procedures.

MCGUIRE/MARCH 2007 EXAM AT POWER FACILITIES

Not Applicable

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03/02/2007

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### McGuire

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

Unit No. of Staff **Planned Dates** Inspection on Site Start End Type Number Inspection Activity Title OL EXAM - INITIAL EXAM 4 V23263 1 MCGUIRE/MARCH 2007 EXAM AT POWER FACILITIES 03/19/2007 03/30/2007 Not Applicable EB3-ISI - UNIT 1 INSERVICE INSPECTION 1 IP 7111108P Inservice Inspection Activities - PWR 03/26/2007 03/30/2007 Baseline Inspections EB3TI150 - 2515/150 U-1: RPV & VHP NOZZLES 1 IP 2515/150 Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-04/02/2007 04/06/2007 Safety Issues 1 EB1-SUMP - PWR CONTAINMENT SUMP BLOCKAGE TI (U-1) 1 IP 2515/166 Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02] 04/08/2007 04/13/2007 Safety Issues 1 EB3-HS - HEAT SINK 2 IP 7111107B Heat Sink Performance 1,2 05/07/2007 05/11/2007 Baseline Inspections EB3-MR - MAINTENANCE RULE EFFECTIVENESS 2 1.2 IP 7111112B Maintenance Effectiveness 06/04/2007 06/08/2007 Baseline Inspections 60855.1 - OPERATIONAL ISFSI INSP. BY RESIDENT 1 IP 60855.1 Operation of an Independent Spent Fuel Storage Installation at Operating Plants 07/09/2007 07/13/2007 Other Routine 1 PS2-EP - EMERGENCY PREPAREDNESS EXERCISE 3 IP 7111401 1, 2 **Exercise Evaluation** 10/15/2007 10/19/2007 **Baseline Inspections** IP 7111404 Emergency Action Level and Emergency Plan Changes 1, 2 10/15/2007 10/19/2007 **Baseline Inspections** 1, 2 IP 71151 Performance Indicator Verification 10/15/2007 10/19/2007 Baseline Inspections PSB1-RP - RP PUBLIC PRE-INSP/ISFSI 1 1.2 IP 7112101 Access Control to Radiologically Significant Areas 11/05/2007 11/07/2007 **Baseline Inspections** PSB1-RP - RP PUBLIC BASELINE INSPECTION IP 7112101 1,2 Access Control to Radiologically Significant Areas 11/26/2007 11/30/2007 **Baseline Inspections** 1.2 IP 7112103 Radiation Monitoring Instrumentation and Protective Equipment 11/26/2007 11/30/2007 **Baseline Inspections** 1.2 IP 7112201 Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 11/26/2007 11/30/2007 **Baseline Inspections** 1.2 IP 7112203 Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P 11/26/2007 11/30/2007 **Baseline Inspections** 1.2 IP 71151 Performance Indicator Verification 11/26/2007 11/30/2007 **Baseline Inspections**