



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET SW SUITE 23TB5  
ATLANTA, GEORGIA 30303-8931**

August 26, 2002

Duke Energy Corporation  
ATTN: Mr. H. B. Barron  
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. Barron:

On August 5, 2002, the NRC staff completed its mid-cycle plant performance assessment of McGuire Nuclear Station. In accordance with NRC Inspection Manual Chapter 0305 "Operating Reactor Assessment Program", the mid-cycle review involved the participation of all technical divisions in evaluating the performance of your McGuire facility for the first half of the current assessment cycle, January 1 - December 31, 2002. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

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 performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, through September 30, 2003, we currently plan to conduct at your facility: (1) baseline inspections; (2) safety issue inspections conducted in accordance with Temporary Instruction 2515/145, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin 2001-01)"; (3) routine Independent Spent Fuel Storage Installation related inspections; and (4) license renewal related inspections.

The enclosed inspection plan details the inspections currently scheduled through September 30, 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 is tentative and may be revised at the end-of-cycle review. In addition, the NRC is in the process of finalizing a Temporary Instruction that will be used to review implementation of the Interim Compensatory Measures required by the Agency's Security Order to all commercial nuclear power plants dated February 25, 2002. Schedules have not yet been finalized, but it is anticipated that these inspections will begin within the next calendar quarter. Once finalized, the details will be communicated by separate correspondence.

DEC

2

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).

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 Robert Haag at 404-562-4550 with any questions you may have regarding this letter or the inspection plan.

Sincerely

**/RA R. E. Carroll Jr. for/**

Binoy B. Desai, Acting Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

Docket Nos. 50-369, 50-370, 72-38  
License Nos. NPF-9, NPF-17

Enclosure: McGuire Inspection/ Activity Plan

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**McGuire**  
**Inspection / Activity Plan**  
**09/01/2002 - 09/30/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>2515/145 - TI 2515/145 (U1) RE: BULLETIN 01-01</b>		<b>1</b>			
1	IP 2515/145	Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin :		09/15/2002	09/21/2002	Safety Issues
	<b>PB1-FD - FLOOD PROTECTION</b>		<b>1</b>			
1, 2	IP 7111106	Flood Protection Measures		09/16/2002	09/20/2002	Baseline Inspections
	<b>EB2-ISI - INSERVICE INSPECTION-U1</b>		<b>2</b>			
1	IP 7111108	Inservice Inspection Activities		09/30/2002	10/04/2002	Baseline Inspections
	<b>PB1-AW - ADVERSE WEATHER</b>		<b>1</b>			
1, 2	IP 7111101	Adverse Weather Protection		11/18/2002	11/19/2002	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION-PREP @ DPC ENV LAB</b>		<b>1</b>			
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/08/2003	01/09/2003	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program		01/08/2003	01/09/2003	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION AND ISFSI</b>		<b>3</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		02/03/2003	02/07/2003	Baseline Inspections
	<b>EB2-MODS - MODIFICATIONS/10CFR50.59</b>		<b>3</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/24/2003	02/28/2003	Baseline Inspections
1, 2	IP 7111117B	Permanent Plant Modifications		02/24/2003	02/28/2003	Baseline Inspections
	<b>EB1-TFP - TFP - PRE-INSPECTION VISIT</b>		<b>5</b>			
1, 2	IP 7111105T	Fire Protection		04/14/2003	04/18/2003	Baseline Inspections
	<b>EB1-TFP - TRIENNIAL FIRE PROTECTION INSP</b>		<b>4</b>			
1, 2	IP 7111105T	Fire Protection		05/05/2003	05/09/2003	Baseline Inspections
1, 2	IP 7111105T	Fire Protection		05/19/2003	05/23/2003	Baseline Inspections
	<b>OL EP - EMERGENCY EXERCISE</b>		<b>2</b>			
1, 2	IP 7111401	Exercise Evaluation		05/12/2003	05/16/2003	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		05/12/2003	05/16/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		05/12/2003	05/16/2003	Baseline Inspections
	<b>OL EXAM - INITIAL EXAM</b>		<b>3</b>			
1	V23188	MCGUIRE/EXAMS AT POWER FACILITIES		06/16/2003	06/27/2003	Not Applicable
	<b>EB2-HS - HEAT SINK</b>		<b>1</b>			
1, 2	IP 7111107B	Heat Sink Performance		07/28/2003	08/01/2003	Baseline Inspections

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