Steven D. Capps
Vice President
McGuire Nuclear Station

Duke Energy
MG01VP | 12700 Hagers Ferry Road
Huntersville, NC 28078

o: 980.875.4805
f: 980.875.4809
Steven.Capps@duke-energy.com

May 28, 2014
Serial No.: MNS-14-046

Mr. Victor M. McCree
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

Subject: Duke Energy Carolinas, LLC
McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369, 50-370
Reactor and Senior Reactor Operator Initial Examinations
05000369/2014301 and 05000370/2014301

Pursuant to the requirements of NUREG-1021, "Operator Licensing Standards for Power Reactors", the enclosed information provides the Written Examination materials for the McGuire licensed operator examinations scheduled in August of 2014. The information is submitted as agreed upon with the Chief Examiner in accordance with the official NRC notification letter (120-Day Letter) and request for information in support of the examinations dated January 14, 2014.

Specific items provided in response to this request:

ES 201-2, Examination Outline Quality Checklist
ES 201-3, Examination Security Agreement
ES 401-2, PWR Examination Outline
ES 401-4, Record of Rejected K/As
ES 401-6, Written Examination Quality Checklist
Reactor Operator Written Examination Student Copy with Reference Package
Senior Reactor Operator Written Examination Student Copy with Reference Package
RO and SRO Written Examination Answer Keys
Full Written Examination with Distracter Analysis
Written Examination Question Reference Package and System Designator List

The McGuire Operations Facility Representative has reviewed and approved the proposed examination material per NUREG-1021, Section 201. The completion of this action is documented in the attached letter dated May 27, 2014.

Questions or comments should be directed to Kay Crane at (980) 875-4306 or Clark Fletcher at (980) 875-5302.

Steven D. Capps
Site Vice President, McGuire Nuclear Station

Mr. Malcolm T. Widmann, Chief
U.S. Nuclear Regulatory Commission
Operations Branch 1
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

Mr. Bruno L. Caballero
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

bxc: RGC File
EC05P-ELL

DUKE ENERGY®

Steven D. Capps
Vice President
McGuire Nuclear Station

Duke Energy
MG01VP | 12700 Hagers Ferry Road
Huntersville, NC 28078

o: 980.875.4805
f: 980.875.4809
Steven.Capps@duke-energy.com

June 18, 2014
Serial Number: MNS-14-050

Mr. Victor M. McCree
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

Subject: Duke Energy Carolinas, LLC
McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369, 50-370
Reactor and Senior Reactor Operator Initial Examinations
05000369/2014301 and 05000370/2014301

Pursuant to the requirements of NUREG-1021, "Operator Licensing Standards for Power Reactors", the enclosed information provides the Operating Examination materials for the McGuire licensed operator examinations scheduled in August of 2014. The information is submitted as agreed upon with the Chief Examiner in accordance with the official NRC notification letter (120-Day Letter) and request for information in support of the examinations dated January 14, 2014.

Specific items provided in response to this request:

ES 201-2, Examination Outline Quality Checklist
ES 201-3, Examination Security Agreement
ES 301-1, Administrative Topics Outline (RO and SRO positions)
ES 301-2, Control Room/In-Plant Systems Outline (RO, SRO-U, and SRO-I positions)
ES 301-3, Operating Test Quality Checklist
ES 301-4, Simulator Scenario Quality Checklist
ES 301-5, Transient and Event Checklist
ES 301-6, Competencies Checklist
ES-D-1, Scenario Outlines (4)
ES-D-2, Required Operator Actions (4)
Control Room and In-Plant Job Performance Measures (JPM) Worksheets (ES-C-1) (11)
Reactor Operator Administrative JPM Worksheets (ES-C-1) (4)
Senior Reactor Operator Administrative JPM Worksheets (ES-C-1) (5)

The McGuire Operations Facility Representative has reviewed and approved the proposed examination material per NUREG-1021, Section 201. The completion of this action is documented in the attached letter dated June 17, 2014.

Questions or comments should be directed to Kay Crane at (980) 875-4306 or Clark Fletcher at (980) 875-5302.

SD Capps

Steven D. Capps
Site Vice President, McGuire Nuclear Station

Received 6/23

Eugene F. Guthrie, Chief
U.S. Nuclear Regulatory Commission
Operations Branch 2
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

Mr. Richard Baldwin
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

June 17, 2014

To Whom It May Concern

Pursuant to 10 CFR 55.40(b)(3), an authorized representative of the facility licensee must approve the examination outline(s) and the proposed examination(s) before they are submitted to the NRC regional office for review and approval. The outline(s) and examinations(s) must be forwarded to the NRC regional office with a cover letter signed by the facility representative.

As the McGuire facility representative, I have reviewed and approved the NRC Operating Examination to be administered in August 2014. I have determined that the Operating Examination is accurate, operationally valid and ready for NRC review.

Brent Bare
McGuire Operations

2014 NRC Exam Student Questions

Question Number: 48	Student Docket Number: 55-24228

Student Question

Is the question asking if the FWI/MSI signals have been generated based on meeting the setpoints for the signals or is it asking if the FWI/MSI signal was generated based on the changing of the parameters?

Proctor Initial Response

NONE

Chief Examiner Response

ANSWER BASED ON CONDITIONS AS GIVEN.

2014 NRC Exam Student Questions

Question Number: 91	Student Docket Number: 55-23528

Student Question

DOES THE (2) SECOND PART REFER TO THE THROTTLE VALVES INDICATING OPEN OR IS THIS ASKING DOES THE PROCEDURE REQUIRE AN MSI ?

I KNOW AP-24 DIRECTS AN MSI FROM THE CONTROL ROOM AFTER THE REACTOR IS TRIPPED.

Proctor Initial Response

NONE

Chief Examiner Response

There is enough information in the stem to answer the question

2014 NRC Exam Student Questions

Question Number: 2	Student Docket Number: 55-23528

Student Question

DOES BOTH MEAN INV-1A + INV-2A ONLY ?

Proctor Initial Response

NONE

Chief Examiner Response

YES. NV-1A & NV-2A ONLY.

2014 NRC Exam Student Questions

Question Number: 9	Student Docket Number: 55-23528

Student Question

1) What type of Rx Trip is Expected → Based on the Failure of P-8 OR Current Power being greater than 48%.

Proctor Initial Response

NONE

Chief Examiner Response

Look at it as a sequence of events. How will the reactor be tripped after the 1A NCP trips? (Manual or Automatic)

2014 NRC Exam Student Questions

Question Number: 24	Student Docket Number: 55-24232

Student Question

Is "EKB" a typo?

Proctor Initial Response

NONE

Chief Examiner Response

NOT A TYPO

2014 NRC Exam Student Questions

Question Number: 25	Student Docket Number: 55-24232

Student Question

"An electrical fault causes a B/O on 2ETA"

Does this mean that an electrical fault on the 2ETA bus caused the B/O? Or, does this mean an electrical fault somewhere other than 2ETA caused the blackout?

Proctor Initial Response

NONE

Chief Examiner Response

The fault is on 2ETA (An 86 Lockout has occurred)

2014 NRC Exam Student Questions

Question Number: 49	Student Docket Number: 55-24232

Student Question

"Generator Air Side SOBP to purge hydrogen from the main generator"

Is this statement implying that the Generator Air Side SOBP purges H_2 from the main generator? Or, should it read:

"Generator Air Side SOBP to remain running until the generator can be purged of H_2"?

Proctor Initial Response

NONE

Chief Examiner Response

SEE Pen and Ink B2 and D2

2014 NRC Exam Student Questions

Question Number: 42	Student Docket Number: 55-24230

Student Question

A. ... IMMEDIATELY DOWNSTREAM OF INV-241 ...
B. ... " " " " ...

SHOULD THIS SAY

"UPSTREAM OF INV-241"

INV-238 IS GOING OPEN DUE TO L_{PZR} < PROG LEVEL
⇒ SEAL INJ FLOW WOULD BE GOING UP
IF INV 241 IS NOT REPOSITIONED
⇒ SEAL INJ FLOW LO ALARM SHOULD BE DARK

Proctor Initial Response

NONE

Chief Examiner Response

NO. ANSWERS A & B ARE CORRECT AS WRITTEN.

THESE ARE INITIAL INDICATIONS PRIOR TO ANY ACTIONS

2014 NRC Exam Student Questions

Question Number: 64	Student Docket Number: 55-24230

Student Question

THERE IS A NOTE CONCERNING LIFT SETTINGS WHERE A TOLERANCE OF 1% IS REQUIRED.
THE NOTE IS IN THE SR SECTION I BELIEVE. NOT REQ TO BE MEMORIZED
I WOULD LIKE TO SEE THE NOTE, PLEASE

Proctor Initial Response

NONE

Chief Examiner Response

ANSWER BASED ON INFORMATION PROVIDED.

2014 NRC Exam Student Questions

Question Number:	Student Docket Number: 23531

Student Question

#80

ARE STAT LIGHTS ON CHANNEL 1 SHOWING LIT? JUST MAKING SURE.

Proctor Initial Response

NONE

Chief Examiner Response

YES. The stat lights are LIT.

2014 NRC Exam Student Questions

Question Number: 24	Student Docket Number: 55-22870

Student Question

IS EKB REALLY EKVB ?

Proctor Initial Response

NONE

Chief Examiner Response

IS EKB.