



411 Fayetteville Street Mall  
Raleigh NC 27602

10 CFR 50.4  
10 CFR 50.54(f)

Serial: RA-12-023  
June 11, 2012

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324 / RENEWED LICENSE NOS. DPR-71 AND DPR-62

CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT  
DOCKET NO. 50-302 / LICENSE NO. DPR-72

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-400 / RENEWED LICENSE NO. NPF-63

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261 / RENEWED LICENSE NO. DPR-23

**SUBJECT: CAROLINA POWER & LIGHT COMPANY AND FLORIDA POWER CORPORATION'S 90-DAY RESPONSE TO THE MARCH 12, 2012, REQUEST FOR INFORMATION REGARDING ENCLOSURE 5, RECOMMENDATION 9.3: EMERGENCY PREPAREDNESS**

**REFERENCE:**

1. NRC Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident*, dated March 12, 2012
2. Progress Energy Letter, *Carolina Power & Light Company and Florida Power Corporation's 60-Day Response to the March 12, 2012, Request For Information Regarding Enclosure 5, Recommendation 9.3: Emergency Preparedness*, dated May 9, 2012.

Ladies and Gentlemen:

The NRC staff issued Reference 1 on March 12, 2012. Enclosure 5 of Reference 1 contains specific Requested Actions and Requested Information associated with Recommendation 9.3 for Emergency Preparedness (EP) programs. In accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (f), addressees were requested to submit written responses to the information request on requested due dates.

In accordance with Reference 1, on May 9, 2012, Carolina Power & Light Company (CP&L) and Florida Power Corporation (FPC) submitted, via Reference 2, an alternative course of action for providing the requested information. The alternative course of action included revised information due dates and the basis for those dates. As described in the alternative course of action, this letter transmits the responses for the following information requests.

ADD  
LIRK

- Enclosure 5, Communications request 2
- Enclosure 5, Staffing request 3
- Enclosure 5, Staffing request 4
- Enclosure 5, Staffing request 5

Finally, Enclosure 1 of Reference 2 contained a typographical error on Page 4 of 7. The “Estimated Completion Date” for Crystal River Unit 3 (CR3) Nuclear Generating Plant, for Staffing Request #1, was inadvertently listed as “~12/31/16” when it should have been listed as “~8/31/16” to correspond to “four months prior to December 31, 2016.”

This letter contains no new commitments. Any actions discussed in this document should be considered intended or planned actions.

If you have any questions or require additional information, please contact Donna Alexander, Manager, Nuclear Regulatory Affairs, at (919) 546-5357.

I declare under the penalty of perjury that the foregoing is true and correct. Executed on June 11, 2012.

Sincerely,



Garry Miller  
Vice President – Nuclear Engineering  
Progress Energy, Inc.

DBM

Enclosure: Request for Information 90-Day Emergency Preparedness Response

cc: USNRC Region II, Regional Administrator  
USNRC Resident Inspector – BSEP, Unit Nos. 1 and 2  
USNRC Resident Inspector – CR3  
USNRC Resident Inspector – SHNPP, Unit No. 1  
USNRC Resident Inspector – HBRSEP, Unit No. 2  
F. Saba, NRR Project Manager – BSEP, Unit Nos. 1 and 2; CR3  
A. T. Billoch Colón, NRR Project Manager – SHNPP, Unit No. 1; HBRSEP, Unit No. 2

**Enclosure**

**Request for Information 90-Day Emergency Preparedness Response**

**Brunswick Steam Electric Plant, Unit Nos. 1 and 2  
Docket Nos. 50-325 and 50-324 / Renewed License Nos. DPR-71 and DPR-62**

**Crystal River Unit 3 Nuclear Generating Plant  
Docket No. 50-302 / License No. DPR-72**

**Shearon Harris Nuclear Power Plant, Unit No. 1  
Docket No. 50-400 / Renewed License No. NPF-63**

**H. B. Robinson Steam Electric Plant, Unit No. 2  
Docket No. 50-261 / Renewed License No. DPR-23**

## **Request for Information (RFI) 90-Day Emergency Preparedness Response**

### **Communications:**

**RFI 2 - Describe any interim actions that have been taken or are planned to be taken to enhance existing communications systems power supplies until the communications assessment and the resulting actions are complete.**

Carolina Power & Light (CP&L) and Florida Power Corporation (FPC) have purchased four 6 kW portable diesel generators per unit. These portable diesel generators can be used to power handheld radio chargers and portable satellite phone chargers. These portable diesel generators are expected to be on site by the end of the third quarter 2012.

Additionally, CP&L and FPC have purchased additional satellite phones that utilize a battery power source to increase the overall diversity of the communication system power supplies. Approximately 35 satellite phones have been purchased for each site. CP&L and FPC currently plan to distribute these satellite phones to the four sites for use by the emergency response organizations by the end of 2012.

### **Staffing:**

**RFI 3 - Identify how the augmented staff would be notified given degraded communications capabilities.**

CP&L and FPC plan to implement a protocol by which Emergency Response Organization members will automatically respond to their designated Emergency Response Facilities when made aware of an area-wide disaster (e.g., large scale natural disaster, regional blackout, technological disaster, etc.). This will be accomplished by December 20, 2012.

**RFI 4 - Identify the methods of access (e.g., roadways, navigable bodies of water and dockage, airlift, etc.) to the site that are expected to be available after a widespread large scale natural event.**

<b>Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2</b>	
<b>Method</b>	<b>Description</b>
Roadway	<p>There are several roadways into the BSEP region. If one path becomes impassable, detours using other roadways are viable. Major routes include:</p> <ul style="list-style-type: none"><li>• NC 87, NC 133, and US Highway 74/76 and adjoining roadways from the north and northwest.</li><li>• NC 132 and US Highway 421 and adjoining roadways from the north</li><li>• US Highway 17 Bypass, NC 211, and NC 130 and adjoining roadways from the west.</li><li>• The primary plant access road travels northeast from NC 87 near the intersection with NC 133.</li><li>• Cogentrix Drive travels north from East Leonard Street to the plant site and could be used to access the plant site if necessary. East Leonard</li></ul>

<b>Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2</b>	
<b>Method</b>	<b>Description</b>
	Street is accessible from Jabbertown Road via NC 87 near the intersection with NC 211.
Air	Access to BSEP can be provided from staging areas and a landing zone via helicopters arranged for by Progress Energy.
Water	The BSEP can also be accessed from the Cape Fear River. The Cape Fear River can be accessed from multiple roadways. Access to the BSEP can be through personal watercraft or watercraft arranged for by Progress Energy.
Rail	The BSEP can be accessed via an active rail line arranged for by Progress Energy.

<b>Crystal River Unit 3 (CR-3) Nuclear Generating Plant</b>	
<b>Method</b>	<b>Description</b>
Roadway	<p>There are several roadways into the CR-3 region. If one path becomes impassable, detours using other roadways are viable. Major routes include:</p> <ul style="list-style-type: none"> <li>• US Highway 19/98, US Highway 41, CR 337, SR 121, SR 24, and CR 336 and adjoining roadways from the north.</li> <li>• US Highway 19/98, US Highway 41, CR 491 and adjoining roadways from the south.</li> <li>• SR 40, CR 488, CR 486, and SR 44 and adjoining roadways from the east.</li> <li>• The primary plant access road, W. Power Line Rd., travels west from US Highway 19/98 to the plant site. Various dirt/limestone roads parallel portions of the plant access road and could be used to bypass portions of the primary access road.</li> <li>• A limestone quarry road travels west and south from US Highway 19/98 to the plant site and could be used to access the plant site if necessary.</li> </ul>
Air	Access to CR-3 can be provided from staging areas and a landing zone via helicopters arranged for by Progress Energy.
Water	CR-3 can also be accessed from the Gulf of Mexico. The Gulf can be accessed from multiple roadways. Access to CR-3 can be through personal watercraft or watercraft arranged for by Progress Energy.
Rail	CR-3 can be accessed via an active rail line arranged for by Progress Energy.

<b>Shearon Harris Nuclear Power Plant (SHNPP), Unit No. 1</b>	
<b>Method</b>	<b>Description</b>
Roadway	<p>There are several roadways into the SHNPP region. If one path becomes impassable, detours using other roadways are viable. Major routes include:</p> <ul style="list-style-type: none"> <li>• US Highway One and adjoining roadways from the north.</li> <li>• US Highway One and adjoining roadways from the south.</li> <li>• NC 42 and adjoining roadways from the southeast.</li> <li>• New Hill Holleman Road from the south.</li> </ul>

<b>Shearon Harris Nuclear Power Plant (SHNPP), Unit No. 1</b>	
<b>Method</b>	<b>Description</b>
	<ul style="list-style-type: none"> <li>• The primary plant access road is off of Shearon Harris Road and travels west to the south side of the plant site. Shearon Harris Road can be accessed from US Highway One/New Hill Holleman Road to the East or Old US Highway One from the North.</li> <li>• A secondary site access road off of Shearon Harris Road travels west to the north side of the plant site and could be used to access the plant site if necessary.</li> </ul>
Air	Access to SHNPP can be provided from staging areas and a landing zone via helicopters arranged for by Progress Energy.
Water	The SHNPP can also be accessed from the Harris Lake. Harris Lake can be accessed from multiple roadways adjacent to the owner controlled area. Access to the SHNPP can be through personal watercraft or watercraft arranged for by Progress Energy.
Rail	The SHNPP can be accessed via an active rail line arranged for by Progress Energy.

<b>H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2</b>	
<b>Method</b>	<b>Description</b>
Roadway	<p>There are several roadways into HBRSEP region. If one path becomes impassable, detours using other roadways are viable. Major routes include:</p> <ul style="list-style-type: none"> <li>• South Carolina Highway 151 and adjoining roadways from the northwest.</li> <li>• South Carolina Highway 151 and adjoining roadways from the southeast.</li> <li>• South Carolina-23/Old Camden Road and adjoining roadways from the northeast.</li> <li>• South Carolina-23/Old Camden Road and adjoining roadways from the southwest .</li> <li>• The primary plant access road travels north from South Carolina-23/Old Camden Road near the intersection with South Carolina Highway 151.</li> <li>• Silo Road travels east and south from South Carolina Highway 151 and could be used to access the site if necessary.</li> </ul> <p>The South Carolina Operation Radiological Emergency Response Plan provides guidance to State Law Enforcement for allowing passage of HBRSEP personnel if roads are closed but safe passage is possible.</p>
Air	Access to HBRSEP can be provided from staging areas and a landing zone via helicopters arranged for by Progress Energy.
Water	The HBRSEP can also be accessed from the Robinson Lake. Robinson Lake can be accessed from multiple roadways adjacent to the owner controlled area. Access to the HBRSEP can be through personal watercraft or watercraft arranged for by Progress Energy.
Rail	The HBRSEP can be accessed via an active rail line and arranged for by Progress Energy.

**RFI 5 - Identify any interim actions that have been taken or are planned prior to the completion of the staffing assessment.**

Interim staffing actions have not been taken nor are planned prior to completion of the emergency response organization staffing assessments.