



**FPL.**

June 11, 2012

L-2012-244  
10 CFR 50.54(f)

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389

Re: FPL/St. Lucie Plant's 90-Day Response to NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendation 9.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident

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. FPL Letter L-2012-209 dated May 11, 2012, FPL/St. Lucie Plant 60-Day Response to 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

On March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued Reference (a) to all power reactor licensees. The NRC letter requests further information from addressees to support the evaluation of NRC Staff Recommendations 2.1, 2.3, and 9.3 from the Near-Term Task Force review of the accident at the Fukushima Dai-ichi nuclear facility. In accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (f), addressees were requested to submit a written response to the information requests within 90 days.

In accordance with Reference 1, we submitted Reference 2, which proposed an alternative schedule for performing the requested actions. As described in our alternative schedule, this letter transmits to you the responses to the following information requests in Enclosure 5 of Reference 1.

- Communications Request #2
- Staffing Request #3
- Staffing Request #4
- Staffing Request #5

A001  
NRC

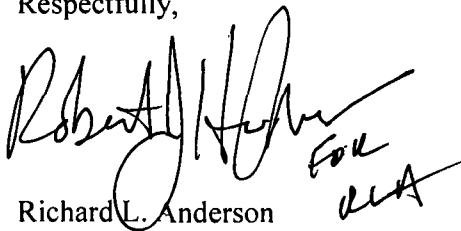
This letter does not contain any new regulatory commitments.

Should you have any questions concerning the content of this letter, please contact Eric S. Katzman, St. Lucie Licensing Manager, at (772) 467-7734.

I declare certify under penalty of perjury that the foregoing is true and correct.

Executed on June 11, 2012.

Respectfully,

A handwritten signature in black ink, appearing to read "Richard L. Anderson". To the right of the signature, there are handwritten initials "EOK" and "RLA" stacked vertically.

Richard L. Anderson  
Site Vice President  
St. Lucie Plant

Enclosure

## **Communications**

### **Request #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.

#### **St. Lucie Response:**

St Lucie has enhanced its existing communication systems with the addition of the equipment listed below. The new equipment in combination with existing B.5.b communication equipment will support the implementation of coping strategies on-site and required off-site communication for extended station blackout mitigation.

New power supplies purchased and on site:

#### **A. Batteries and Chargers**

- Added 3, six station smart chargers for Motorola XPR 6580 radios. This is in addition to existing B.5.b dedicated chargers.
- Added 24 Satellite Phone Lithium-ion (LI-OH) extended life batteries and 4, four bay smart chargers. This is in addition to the existing 5 individual satellite phone chargers.
- Added 18 Impress LI-OH batteries for the Motorola XPR 6580 radios. This is in addition to the 20 batteries maintained available for B.5.b.

#### **B. Generators**

- Added a portable 6 KW Beldor Diesel Generator for the Technical Support Center as backup power capability for charging radio and satellite phone batteries.

New communications capability purchased and on site.

#### **A. Radios**

- Added 18 Motorola XPR 6580 radios with "talk around" capability. This is in addition to the 10 radios maintained available for B.5.b.

#### **B. Satellite phones**

- Added 12 Isat Pro Satellite Phones in addition to the 5 existing satellite phones.

## **Staffing**

### **NRC Request # 3**

Identify how the augmented staff would be notified given degraded communications capabilities.

#### **St. Lucie Response:**

The normal method of activating the St. Lucie ERO for staff augmentation is by an electronic call-out system that utilizes hard line phones, cell phones (voice), email, and pagers to alert staff. This system can be activated from any phone (commercial, cell, or satellite) or computer by the use of access codes. Significant portions of these systems have back-up power supplies independent of the electrical grid. Because the telephone notification vendor is located out of the area, there is potential for this service to be available to notify augmented ERO personnel.

In an event that rendered all means of communication unavailable, key personnel on-site would be readily accessible and aware that a station blackout event was occurring. For off-site personnel St. Lucie has implemented guidance to the station ERO regarding situations where normal notification methods may be unavailable. This was done in response to a potential loss of electrical grid situations, such as those described in INPO SOER 99-01. This information has also been included in refresher training modules and is included in the EP Fundamentals handbook:

“If you are on duty and become aware of a grid disturbance, take the following actions:

- Monitor local radio communications for impact on the Grid structure.
- Should the situation appear to be a major disturbance to the Grid structure, ensure your home and family are safe, then report to your emergency response facility.”

### **NRC Request #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.

#### **St. Lucie Response:**

The St. Lucie plant is located on Hutchinson Island, a barrier island in Southeast Florida. The island can be accessed from the bridge at Ft Pierce north of the plant, the bridge at Jensen Beach south of the plant, or the bridge at Stuart also south of the plant. A1A is the main highway on the island and is used for vehicle access from both the north and the

south. Navigable bodies of water exist on the east (Atlantic Ocean) and the west (Indian River). In addition the plant maintains a helicopter landing area for access from the air and dockage for water access.

The most probable large scale natural events are hurricanes. Past storms have caused some bridge damage (this was the old Jensen Bridge). However, it is unlikely that a hurricane event would render all three bridges unavailable. Staffing augmentation actions are procedurally required when the plant is included in a Hurricane Watch and would preclude impact to staffing capability caused by any potential bridge damage. Heavy equipment is maintained on site and is available to support clearing fallen trees, limbs and other debris from access routes.

In the event that all bridges were to become unavailable an agreement is in place with the US Coast Guard to provide air and/or water "transportation of personnel and materials to assist in disaster response."

In addition to the US Coast Guard agreement, letters of agreement for additional local assistance and resources are current and reviewed on annual basis and include:

- St. Lucie County Sheriff
- St. Lucie Count Fire District
- City of Fort Pierce
- Martin County Sheriff
- Martin County Fire and Rescue

#### **NRC Request #5**

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

St. Lucie Response:

St. Lucie has not identified any interim actions regarding augmented ERO staffing.