



JUN 11 2012

L-2012-235  
10 CFR 50.54(f)

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

Re: Turkey Point Nuclear Generating Station Units 3 and 4  
Docket Nos. 5-0250 and 50-251  
Emergency Preparedness Information Requested by 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

Reference:

NRC Letter to All Power Reactor Licensees and Holders of Construction Permits in Active or Deferred Status, "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 NRC staff issued the referenced letter. Enclosure 5 of the letter 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 a written response to the information requests. The letter also provided requested due dates for written responses.

In accordance with the referenced letter, on May 10, 2012 (letter L-2012-208), Florida Power & Light Company submitted an alternative course of action for providing the requested information for the Turkey Point Nuclear Generating Station Units 3 and 4. The alternative course of action included revised information due dates and the basis for those dates. As described in our alternative course of action, the enclosure to this letter transmits to you the responses to the following information requests.

- NRC Letter, Enclosure 5, Communications request #2
- NRC Letter, Enclosure 5, Staffing request #3
- NRC Letter, Enclosure 5, Staffing request #4
- NRC Letter, Enclosure 5, Staffing request #5

This letter does not contain any regulatory commitments.

A001  
NRC

Turkey Point Nuclear Generating Station Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Emergency Preparedness Information Requested by  
NRC Letter, Request for Information

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Should you have questions concerning the content of this letter, please contact Robert J. Tomonto, Licensing Manager, at (305) 246-7327.

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

Executed on 6 / 11, 2012.

Very truly yours,



Michael W. Kiley  
Vice President, Turkey Point Nuclear Generating Station

Enclosure

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point  
USNRC Project Manager, Turkey Point

**Communications**

Request #	NRC Requested Information
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.
	<p data-bbox="737 541 1039 573" style="text-align: center;"><b>Turkey Point Response</b></p> <p data-bbox="397 615 1419 793">Turkey Point 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.</p> <ol style="list-style-type: none"> <li data-bbox="397 835 1003 867">1. New power supplies purchased and on site. <ol style="list-style-type: none"> <li data-bbox="527 909 902 940">A. Batteries and Chargers <ol style="list-style-type: none"> <li data-bbox="613 982 1179 1014">1. Added 12 satellite phone spare batteries.</li> <li data-bbox="613 1056 1365 1129">2. Added 3 battery charging stations (to accommodate 12 batteries) for the spare batteries.</li> </ol> </li> <li data-bbox="521 1171 756 1203">B. Generators <ol style="list-style-type: none"> <li data-bbox="618 1245 1377 1455">1. Added 6 - 6 kW diesel powered electrical generators to support emergency response in the event of a station blackout. Plans are to be developed to use these generators for Control Room support (lighting and ventilation) and they will be capable of being used for communication equipment as well.</li> </ol> </li> </ol> </li> <li data-bbox="397 1497 893 1528">2. New Communication Capabilities <ol style="list-style-type: none"> <li data-bbox="500 1570 792 1602">A. Satellite phones <ol style="list-style-type: none"> <li data-bbox="667 1644 1406 1717">1. Added 12 satellite phones in addition to the 4 existing satellite phones.</li> <li data-bbox="667 1717 1360 1791">2. Added 1 docking station that provides a variety of interface with other devices</li> <li data-bbox="667 1791 1419 1864">3. Added 1 cable to provide a phone line to the Technical Support Center utilizing the satellite phones.</li> </ol> </li> </ol> </li> </ol>

**Staffing**

Request #	NRC Requested Information		
3	Identify how the augmented staff would be notified given degraded communications capabilities.		
	<table><tr><th>Turkey Point Response</th></tr><tr><td><p>The normal method of activating the Turkey Point ERO for staff augmentation is by an electronic call-out system that utilizes hard line phones, cell phone (voice), email, and pager to alert staff. This system can be activated from any phone (commercial, cell, or satellite) or computer using the proper access codes. Significant portions of these systems have back-up power supplies independent of the electrical grid.</p><p>In an event that all communication capabilities are unavailable, key on-site personnel would be readily accessible. These individuals would be aware that a station blackout had occurred.</p><p>Turkey Point has implemented guidance for the station ERO regarding situations where normal notification methods to personnel who are off-site may be unavailable. This guidance was implemented to address a potential loss of electrical grid situations. This guidance information is sent out periodically via Employee communication and is included in the EP Fundamentals Handbook as follows:</p><p>“If you are on duty and become aware of a grid disturbance, take the following actions:</p><ul style="list-style-type: none"><li>• Monitor local radio communications for impact on the Grid structure.</li><li>• 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.”</li></ul></td></tr></table>	Turkey Point Response	<p>The normal method of activating the Turkey Point ERO for staff augmentation is by an electronic call-out system that utilizes hard line phones, cell phone (voice), email, and pager to alert staff. This system can be activated from any phone (commercial, cell, or satellite) or computer using the proper access codes. Significant portions of these systems have back-up power supplies independent of the electrical grid.</p> <p>In an event that all communication capabilities are unavailable, key on-site personnel would be readily accessible. These individuals would be aware that a station blackout had occurred.</p> <p>Turkey Point has implemented guidance for the station ERO regarding situations where normal notification methods to personnel who are off-site may be unavailable. This guidance was implemented to address a potential loss of electrical grid situations. This guidance information is sent out periodically via Employee communication and is included in the EP Fundamentals Handbook as follows:</p> <p>“If you are on duty and become aware of a grid disturbance, take the following actions:</p> <ul style="list-style-type: none"><li>• Monitor local radio communications for impact on the Grid structure.</li><li>• 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.”</li></ul>
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	NRC Requested Information
4	<p data-bbox="354 359 1422 464">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.</p>
	Turkey Point Response
	<p data-bbox="354 581 1398 793">There is one main roadway into Turkey Point (Palm Drive), but there are various roads that can be used to reach the site in an emergency. A route is available via Card Sound Road to Levee 31 Access Road that passes the cooling canals to the road north of the main discharge canal. Additionally, another route to the site is available using Canal Road to South Levee 31 Access Road and then to the main road into Turkey Point just South of the Daycare area.</p> <p data-bbox="354 835 1377 978">In the event that all roads become unavailable, agreements are in place with the US Coast Guard and Miami-Dade Counties to provide air and/or water transportation of personnel and materials to assist in disaster response. These agreements are part of the Turkey Point Radiological Emergency Plan.</p> <p data-bbox="354 1020 1344 1087">Additionally, FPL has Corporate resources for water and air transportation if necessary. There are a helicopter pad and a boat dock available on the site.</p> <p data-bbox="354 1129 1406 1234">Letters of agreement for local assistance and resources are included in the Turkey Point Radiological Emergency Plan. The letters of agreement are current and are reviewed on annual bases. They include:</p> <div data-bbox="451 1276 967 1419" style="padding-left: 40px;"><p>Miami-Dade County Fire Department Miami-Dade County Police Department Monroe County Sheriff's Department Florida Highway Patrol</p></div> <p data-bbox="354 1461 1406 1528">Heavy Equipment is maintained on site and is available to support clearing of any debris in access areas.</p>

	NRC Requested Information
5	Identify any interim actions that have been taken or are planned prior to the completion of the staffing assessment.
	Turkey Point Response
	<p>Turkey Point has not identified any interim actions regarding augmented ERO staffing.</p> <p>Turkey Point is currently assessing initial on-shift ERO staffing for event conditions in response to the requirements of changes to 10CFR Parts 50, Appendix E, Section 4(a)(i). This assessment is required to be complete by December 24, 2012. Although limited to the time following a design-basis event initiation until the on-shift ERO is augmented, this assessment is expected to provide an initial indication of the adequacy of staffing to respond to beyond design-basis events.</p>