



June 5, 2012

ULNRC-05868

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

10 CFR 50.54(f)

Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
EMERGENCY PREPAREDNESS INFORMATION REQUESTED BY  
NRC LETTER, "REQUEST FOR INFORMATION PURSUANT TO  
10 CFR 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"**

- References:
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. ULNRC-05862, Ameren Missouri 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 May 10, 2012

On March 12, 2012, the NRC staff issued the referenced letter (Reference 1). Enclosure 5 of that 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 NRC letter also provided requested due dates for written responses.

In accordance with the NRC letter, on May 10, 2012, Ameren Missouri submitted an alternative course of action (Reference 2) 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, Attachment 1 to this letter transmits the responses to the following information requests from the March 12, 2012 NRC letter: Enclosure 5, Communications Request 2 and Staffing Requests 3, 4 and 5.

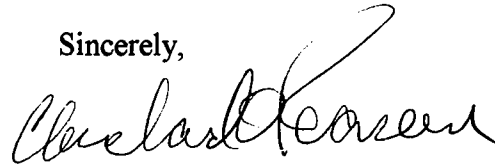
Attachment 2 contains the regulatory commitments associated with this response.

If you have any questions concerning the content of this letter, please contact Scott Maglio, Regulatory Affairs Manager, at 573-676-8719.

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

Executed on: June 5, 2012

Sincerely,



Cleveland O. Reasoner  
Vice President, Engineering

SJM/nls

Attachment 1: Ameren Missouri's 90-Day Response to Request for Information Pursuant to 10 CFR 50.54(f) Regarding Recommendation 9.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident

Attachment 2: List of Commitments

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**ATTACHMENT 1**  
**Ameren Missouri's 90-Day Response to Request for Information Pursuant to 10 CFR 50.54(f) Regarding Recommendation 9.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident**

**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.*

Actions Taken or Planned	Estimated Completion Date
<p>1. Callaway has obtained three portable diesel generators for use at the Control Room, Technical Support Center (TSC) and Emergency Offsite Facility (EOF). These generators can be used to provide power to satellite phone and radio battery chargers.</p>	<p>Complete</p>
<p>2. Callaway has issued a purchase order for a portable radio cart with antenna tower and on-board diesel generator. The cart will be equipped with chargers for radio batteries. The plant passive antenna system in the power block will be modified for direct connection to the cart to enhance in-plant communication capability.</p>	<p>9/1/2012 - Radio cart on-site.</p> <p>10/4/2014 - Passive antenna system modified for radio cart connection.</p>
<p>3. Callaway has obtained 15 new satellite phones. Four of these phones will be placed in the four counties within the Callaway Emergency Planning Zone (EPZ). The remaining phones will be available for use by Field Monitoring Teams (FMT), the Control Room, TSC, and EOF. External antennas will be installed at the Control Room, TSC, and EOF to support satellite phone communications. These phones utilize a battery power source that increases the overall diversity of communication power supplies.</p>	<p>7/31/2012 - Satellite phones distributed to 4 counties and remaining phones available for FMTs, TSC, and EOF.</p> <p>10/4/2014 - External antennas installed.</p>

**Staffing**

*Request #3 – Identify how the augmented staff would be notified given degraded communications capabilities.*

Actions Taken or Planned	Estimated Completion Date
<p>1. All ERO members will automatically respond to their assigned facilities or a designated staging area when they become aware of a need to augment staffing (e.g. by direct observation, media reports, word-of-mouth, etc.). A communication to ERO members will be made to informally implement this change and Emergency Implementing Procedures (EIP) will be revised.</p>	<p>7/31/2012 - Communication issued to ERO members.</p> <p>12/31/2012 - Procedure revisions complete.</p>

*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.*

Actions Taken or Planned	Estimated Completion Date
<p>1. Callaway has multiple roadways providing access to the site.</p> <ul style="list-style-type: none"> <li>a. State maintained general area access <ul style="list-style-type: none"> <li>i. From the NE, I-70 to State (St) Road (Rd) D to St. Rd. O to St. Rd. CC</li> <li>ii. From the SE, MO-94 to St. Rd. D to St. Rd. O to St. Rd. CC</li> <li>iii. From the SW, US-54 to MO-94 to St. Rd. CC</li> <li>iv. From the NW, I-70 to US-54 to St. Rd. O to St. Rd. CC</li> </ul> </li> <li>b. County maintained local access <ul style="list-style-type: none"> <li>i. From the north, County (Co) Rd. 448</li> <li>ii. From the east, Co. Rd. 448</li> <li>iii. From the south, Co. Rd. 459</li> <li>iv. From the west, Co. Rd. 428</li> </ul> </li> </ul>	<p>Complete</p>
<p>2. There are four counties in the Callaway EPZ. County road and bridge departments provide representatives to the county Emergency</p>	<p>Complete</p>

<p>Operations Centers (EOC) in support of their county emergency response plans. Requests for prioritized road clearing would be made through the respective EOC as required.</p>	
<p>3. Callaway is located approximately five miles north of the Missouri River. The plant owns an intake structure and barge unloading facility on the river which are available to offload personnel by boat. In addition, there are river access points located southeast of the plant at Portland, MO and southwest of the plant at Mokane, MO. Under the letter of agreement with the state of Missouri, the state Water Patrol and/or Department of Conservation could be directed to provide waterborne transportation as required.</p>	<p>Complete</p>
<p>4. The Missouri Air National Guard has a base at the Jefferson City, MO airport, 23 miles southwest of the plant. This organization is equipped with helicopters and is routinely utilized in response to natural disasters. As the governor's agent, the Senior Radiological Emergency Planner (REP) at the State Emergency Management Agency (SEMA) can request support from the Air National Guard.</p>	<p>Complete</p>

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

Actions Taken or Planned	Estimated Completion Date
None	NA

**ATTACHMENT 2  
List of Commitments**

The following table identifies those actions committed to by Ameren Missouri in Attachment 1 of this document. Any other statements in this document are provided for information purposes and are not considered commitments. Please direct questions regarding these commitments to Scott Maglio at 573-676-8719.

<b>COMMITMENTS – Communications Request 2 (Numbers listed below correspond to Action Numbers in Attachment 1 for Communications)</b>	<b>Due Date/Event</b>	<b>Commitment Number</b>
2. Callaway will have on-site a portable radio cart with antenna tower and on-board diesel generator. The cart will be equipped with chargers for radio batteries.	9/1/2012	50220
2. The plant passive antenna system in the power block will be modified for direct connection to the portable radio cart to enhance in-plant communication capability.	10/4/2014	50225
3. Satellite phones will be placed in the four counties within the Callaway Emergency Planning Zone (EPZ) and the remaining phones will be available for use by Field Monitoring Teams (FMT), the Control Room, Technical Support Center (TSC), and Emergency Offsite Facility (EOF).	7/31/2012	50221
3. External antennas will be installed in the Control Room, TSC, and EOF to support satellite phone communications.	10/4/2014	50222



<b>COMMITMENTS – Staffing Request 3 (Numbers listed below correspond to Action Numbers in Attachment 1 for Staffing)</b>	<b>Due Date/Event</b>	<b>Commitment Number</b>
1. A communication will be made to ERO members informing them that they should automatically respond to their assigned facilities or a designated staging area when they become aware of a need to augment (e.g. by direct observation, media reports, word-of-mouth, etc.).	7/31/2012	50223
1. Emergency Implementing Procedures will be revised to implement the change that ERO members should automatically respond to their assigned facilities or a designated staging area when they become aware of a need to augment (e.g. by direct observation, media reports, word-of-mouth, etc).	12/31/2012	50224