



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E LAMAR BLVD
ARLINGTON, TX 76011-4511

August 31, 2016

Shane M. Marik, Site Vice President
and Chief Nuclear Officer
Omaha Public Power District
Fort Calhoun Station
Mail Stop FC-2-4
9610 Power Lane
Blair, NE 68008

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR FORT CALHOUN STATION
(REPORT 05000285/2016005)**

Dear Mr. Marik:

On August 11, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of the Fort Calhoun Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2015 through June 30, 2016. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Fort Calhoun Station operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Fort Calhoun Station during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

By letter dated June 24, 2016, Omaha Public Power District (OPPD) certified their intention to permanently cease power operations at Fort Calhoun Station by December 31, 2016 (ADAMS Accession No. ML16176A213). Following certification from OPPD that permanent shutdown and permanent fuel removal from the reactor vessel has occurred, the Fort Calhoun Station 10 CFR Part 50 license will no longer authorize plant operation, and the station will transition to NRC decommissioning oversight in accordance with Inspection Manual Chapter 2561, "Decommissioning Power Reactor Inspection Program."

The enclosed inspection plan lists the operating reactor ROP inspections scheduled through June 30, 2018. In consideration of your June 24, 2016, letter, the inspection plan has been adjusted to ensure inspections needed to verify safe operation during the transition to a defueled plant condition are performed. Routine inspections performed by resident inspectors are not included in the inspection plan. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances

warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." The NRC conducted audits of licensee efforts towards compliance with these Orders, and the information gathered will aid staff in development of the ultimate Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In Staff Requirements Memorandum – SECY 16-0009, "Recommendations Resulting from the Integrated Prioritization and Re-Baselining of Agency Activities," the Commission approved the NRC staff recommendation to discontinue the formal mid-cycle assessment process beginning in calendar year 2017. This will be the final mid-cycle assessment letter. The staff will continue to conduct quarterly assessment meetings and communicate changes in the assessment of licensee performance in accordance with the guidance in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 817-200-1173 with any questions you have regarding this letter.

Sincerely,

/RA/

Geoffrey B. Miller, Branch Chief
Projects Branch D
Division of Reactor Projects

Docket No. 50-285
License No. DPR-40

Enclosure:
Fort Calhoun Inspection/Activity Plan

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Fort Calhoun
Inspection / Activity Plan
07/01/2016 - 06/30/2018

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
RS1568PI - RADIATION SAFETY - TEAM					4
1	07/18/2016	07/22/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	07/18/2016	07/22/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/18/2016	07/22/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/18/2016	07/22/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	07/18/2016	07/22/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	07/18/2016	07/22/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
EB1-17T - FCS PERM PLANT MODS & 50.59 INSPECTION					3
1	07/25/2016	08/12/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
INSP - BIENNIAL REQUAL INSPECTION					2
1	08/29/2016	09/02/2016	IP 7111111B	Licensed Operator Requalification Program	
RS 234 - RADIATION SAFETY					1
1	10/31/2016	11/10/2016	IP 71124.02	Occupational ALARA Planning and Controls	
EP-1 - EP PERFORMANCE INDICATORS					1
1	11/28/2016	12/02/2016	IP 71151-EP01	Drill/Exercise Performance	
1	11/28/2016	12/02/2016	IP 71151-EP02	ERO Readiness	
1	11/28/2016	12/02/2016	IP 71151-EP03	Alert & Notification System Reliability	
EP-2 - BIENNIAL EP PROGRAM INSPECTION					1
1	11/28/2016	12/02/2016	IP 7111402	Alert and Notification System Testing	
1	11/28/2016	12/02/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	11/28/2016	12/02/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	11/28/2016	12/02/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
RS 13 PI - RADIATION SAFETY					2
1	03/27/2017	03/31/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/27/2017	03/31/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/27/2017	03/31/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	03/27/2017	03/31/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
ISFSI - ROUTINE INSPECTION (ONE WEEK IN MONTH)					1
1	04/01/2017	04/30/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EXAM - INITIAL LICENSED OPERATOR EXAM					3
1	08/21/2017	08/25/2017	X02594	INITIAL EXAM FCS (09/2017)	
1	09/25/2017	09/29/2017	X02594	INITIAL EXAM FCS (09/2017)	
EB1-07T - FCS HEAT SINK PERFORMANCE					1
1	05/22/2017	05/26/2017	IP 7111107T	Heat Sink Performance	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Enclosure

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Fort Calhoun
Inspection / Activity Plan
07/01/2016 - 06/30/2018

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	Start	End			
RS 24 - RADIATION SAFETY					2
1	06/12/2017	06/16/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/12/2017	06/16/2017	IP 71124.04	Occupational Dose Assessment	
TSB 52B - BIENNIAL PI&R					4
1	09/11/2017	09/25/2017	IP 71152B	Problem Identification and Resolution	
1	09/25/2017	09/29/2017	IP 71152B	Problem Identification and Resolution	
EB2-05XT - TRIENNIAL FIRE PROTECTION INSPECTION					4
1	10/23/2017	10/27/2017	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1	11/13/2017	11/17/2017	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
EP-2 - BIENNIAL EP EXERCISE INSPECTION					3
1	10/16/2017	10/20/2017	IP 7111401	Exercise Evaluation	
1	10/16/2017	10/20/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
EP-3 - EP PERFORMANCE INDICATOR VERIFICATION					1
1	10/16/2017	10/20/2017	IP 71151-EP01	Drill/Exercise Performance	
1	10/16/2017	10/20/2017	IP 71151-EP02	ERO Readiness	
1	10/16/2017	10/20/2017	IP 71151-EP03	Alert & Notification System Reliability	
EP-1 - EP PROGRAM INSPECTION					1
1	05/14/2018	05/18/2018	IP 7111402	Alert and Notification System Testing	
1	05/14/2018	05/18/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	05/14/2018	05/18/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	05/14/2018	05/18/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
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SIGNATURE	<i>/JAC for/</i>	<i>/RA/</i>	<i>/RA/</i>					
DATE	8/19/16	8/22/16	8/22/16					

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Letter to Michael R. Chisum from Geoffrey Miller, dated August 31, 2016

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR FORT CALHOUN STATION
(REPORT 05000285/2016005)

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