Omaha Public Power District
444 South 16th Street Mall
Omaha, NE 68102-2247

10 CFR 50.73

LIC-14-0006
January 31, 2014

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

Fort Calhoun Station, Unit No. 1
Renewed Facility Operating License No. DPR-40
NRC Docket No. 50-285

Reference: None

Subject: Licensee Event Report 2013-019, Revision 0, for the Fort Calhoun Station

Please find attached Licensee Event Report 2013-019, Revision 0. This report is being submitted pursuant to 10 CFR 50.73 (a)(2)(v)(B). There are no new commitments being made in this letter.

If you should have any questions, please contact Terrence W. Simpkin, Manager, Site Regulatory Assurance, at (402) 533-6263.

Respectfully,

Louis P. Cortopassi
Site Vice President and CNO

LPC/epm

Attachment
c: J. M. Sebrosky, NRC Senior Project Manager
M. L. Dapas, NRC Regional Administrator, Region IV
J. C. Kirkland, NRC Senior Resident Inspector

NRC FORM 366 (10-2010) U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0104 EXPIRES: 10/31/2013

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

1. FACILITY NAME	2. DOCKET NUMBER	3. PAGE
Fort Calhoun Station	05000285	1 OF 2

4. TITLE

Non-Seismic Circulating Water Pipe Could Disable Raw Water Pumps

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
										05000
12	2	2013	2013	019 -	0	1	31	2014	FACILITY NAME	DOCKET NUMBER 05000

9. OPERATING MODE

3

10. POWER LEVEL

0

11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: *(Check all that apply)*

☐ 20.2201(b)	☐ 20.2203(a)(3)(i)	☐ 50.73(a)(2)(i)(C)	☐ 50.73(a)(2)(vii)
☐ 20.2201(d)	☐ 20.2203(a)(3)(ii)	☐ 50.73(a)(2)(ii)(A)	☐ 50.73(a)(2)(viii)(A)
☐ 20.2203(a)(1)	☐ 20.2203(a)(4)	☐ 50.73(a)(2)(ii)(B)	☐ 50.73(a)(2)(viii)(B)
☐ 20.2203(a)(2)(i)	☐ 50.36(c)(1)(i)(A)	☐ 50.73(a)(2)(iii)	☐ 50.73(a)(2)(ix)(A)
☐ 20.2203(a)(2)(ii)	☐ 50.36(c)(1)(ii)(A)	☐ 50.73(a)(2)(iv)(A)	☐ 50.73(a)(2)(x)
☐ 20.2203(a)(2)(iii)	☐ 50.36(c)(2)	☐ 50.73(a)(2)(v)(A)	☐ 73.71(a)(4)
☐ 20.2203(a)(2)(iv)	☐ 50.46(a)(3)(ii)	☒ 50.73(a)(2)(v)(B)	☐ 73.71(a)(5)
☐ 20.2203(a)(2)(v)	☐ 50.73(a)(2)(i)(A)	☐ 50.73(a)(2)(v)(C)	☐ OTHER
☐ 20.2203(a)(2)(vi)	☐ 50.73(a)(2)(i)(B)	☐ 50.73(a)(2)(v)(D)	

12. LICENSEE CONTACT FOR THIS LER

FACILITY NAME	TELEPHONE NUMBER *(Include Area Code)*
Erick Matzke	402-533-6855

13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX

14. SUPPLEMENTAL REPORT EXPECTED

☒ YES *(If yes, complete 15. EXPECTED SUBMISSION DATE)* ☐ NO

15. EXPECTED SUBMISSION DATE

MONTH	DAY	YEAR
4	15	2014

ABSTRACT *(Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)*

On December 2, 2013, NRC inspectors questioned the validity of an operability determination performed by the station on a non-safety grade pipe in the Raw Water pump vaults. The concern was determined to be valid and on December 3, 2013 at 0038 CST, an operability evaluation for Condition Report (CR) 2013-22090 confirmed operability of the RW pumps with interim actions to prevent CW flow from the affected 12" pipe into the RW vault during a seismic event. Interim compensatory actions to maintain operability of the raw water pumps are to secure the screen wash system and establish a clearance.

A cause analysis is in progress and an update to this LER will be provided with additional information.

A design change was completed to the station to eliminate the adverse interaction noted above.

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
		YEAR	SEQUENTIAL NUMBER	REV NO.	
Fort Calhoun Station	05000285	2013	- 019 -	0	2 OF 2

NARRATIVE

BACKGROUND

Fort Calhoun Station (FCS) is a two-loop reactor coolant system of Combustion Engineering (CE) design.

EVENT DESCRIPTION

On December 2, 2013, NRC inspectors questioned the validity of an operability determination performed by the station on a non-safety grade pipe in the Raw Water (RW) pump vaults. The concern was determined to be valid and on December 3, 2013, at 0038 CST, an operability evaluation for Condition Report (CR) 2013-22090 confirmed operability of the RW pumps with interim actions to prevent CW flow from the affected 12 inch pipe into the RW vault during a seismic event. Interim compensatory actions to maintain operability of the raw water pumps were to secure the screen wash system and establish a clearance. A clearance was established that disabled the screen wash pumps preventing flow to the RW vault. The RW pumps were determined to be operable with these interim compensatory measures in place.

This report is being submitted pursuant to 10 CFR 50.73(a)(2)(v)(B), Any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to: (B) Remove residual heat.

CONCLUSION

The vulnerability described in this report has existed since the original design and installation of the spray wash system FCS. A cause analysis is in progress and an update to this LER will be provided with additional information.

CORRECTIVE ACTIONS

A design change was completed to the station to eliminate the adverse interaction noted above.

SAFETY SIGNIFICANCE

A cause analysis is in progress and an update to this LER will be provided with additional information.

SAFETY SYSTEM FUNCTIONAL FAILURE

A cause analysis is in progress and an update to this LER will be provided with additional information.

PREVIOUS EVENTS

The following LERs report inoperability of the stations RW system due to seismic concerns:
LER 2013-012, Intake Structure Crane Seismic Qualification
LER 2012-020, Raw Water Pump Anchors