



10 CFR 50.59(d)(2)  
10 CFR 72.48 (d)(2)

January 31, 2020

LC-2020-005

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

La Crosse Boiling Water Reactor  
Facility Operating License No. DPR-45  
NRC Docket Nos. 50-409 and 72-046

Subject: La Crosse Boiling Water Reactor 10 CFR 50.59 / 10 CFR 72.48 Report of Changes, Tests, and Experiments

Dear Sir or Madam:

In accordance with 10 CFR 50.59(d)(2) and 10 CFR 72.48(d)(2), LaCrosseSolutions is providing a report summarizing the 10 CFR 50.59 and 10 CFR 72.48 evaluations of changes, tests, and experiments implemented during the period from December 31, 2017 to December 31, 2019. The attachment provides the biennial report.

No regulatory commitments are contained in this submittal. If there are any questions regarding this submittal, please contact me at (860) 462-9707.

Respectfully,

A handwritten signature in cursive script that reads "Gerard van Noordennen".

Gerard van Noordennen  
Senior Vice President Regulatory Affairs

Attachment:

10 CFR 50.59 and 10 CFR 72.48 Summary Report

cc: Marlayna Doell, U.S. NRC Project Manager  
La Crosse Boling Water Reactor Service List

IE47  
NMSSZ4  
NMSS

## La Crosse Boiling Water Reactor Service List

Ken Robuck  
President and CEO  
*EnergySolutions*  
299 South Main Street, Suite 1700  
Salt Lake City, UT 84111

John Sauger  
President and CNO Reactor  
*D&D EnergySolutions*  
121 W. Trade Street, Suite 2700  
Charlotte, NC 28202

Joseph Nowak  
Project Manager  
*LaCrosseSolutions*  
S4601 State Highway 35  
Genoa, WI 54632-8846

Gerard van Noordennen  
Senior VP Regulatory Affairs  
*EnergySolutions*  
121 W. Trade Street, Suite 2700  
Charlotte, NC 28202

Russ Workman  
General Counsel  
*EnergySolutions*  
299 South Main Street, Suite 1700  
Salt Lake City, UT 84111

Jerome Pedretti, Clerk  
Town of Genoa  
E860 Mundsack Road  
Genoa, WI 54632

Jeffery Kitsembel  
Division of Energy Regulation  
Wisconsin Public Service Commission  
P.O. Box 7854  
Madison, WI 53707-7854

Paul Schmidt, Manager  
Radiation Protection Section  
Bureau of Environmental and Occupational Health  
Division of Public Health  
Wisconsin Department of Health Services  
P.O. Box 2659  
Madison, WI 53701-2659

Barbara Nick President and CEO  
Dairyland Power Cooperative  
3200 East Avenue South  
La Crosse, WI 54602-0817

Cheryl Olson, ISFSI Manager  
La Crosse Boiling Water Reactor  
Dairyland Power Cooperative  
S4601 State Highway 35  
P.O. Box 817  
Genoa, WI 54632-8846

Lane Peters  
La Crosse Boiling Water Reactor  
Dairyland Power Cooperative  
S4601 State Highway 35  
Genoa, WI 54632-8846

Thomas Zaremba  
Wheeler, Van Sickle and Anderson, S.C.  
44 East Mifflin Street, Suite 1000  
Madison, WI 53703

Andrew J. Parrish  
Wheeler, Van Sickle & Anderson, S.C.  
44 E. Mifflin Street, Suite 1000  
Madison, WI 53703

John E. Matthews  
Morgan, Lewis & Bockius LLP  
1111 Pennsylvania Avenue  
NW Washington, DC 20004

**La Crosse Boiling Water Reactor**  
**10 CFR 50.59 and 10 CFR 72.48 Summary Report**

## **10 CFR 50.59 and 10 CFR 72.48 Summary Report**

### **10 CFR 50.59 Evaluations**

**Change Number and Title:** 2018-001, Installation of two transfer tanks in the Temporary Liquid Waste System

**Description:** This activity moves the two mobile liquid waste transfer tanks, in the mobile liquid waste system, from inside the reactor building to outside the building. This activity allows for dismantlement of the reactor building.

**Summary:** Operation of the new liquid waste system maintains the requirements of the Offsite Dose Calculation Manual, and malfunctions of the system result in consequences that are bounded by the liquid waste accident described in the Defueled Safety Analysis Report. The conclusion of the evaluation was that the proposed activity could be implemented under 10 CFR 50.59 without requiring prior NRC review or approval.

**Change Number and Title:** 2019-003, Modify Temporary Liquid Waste System

**Description:** This activity removes the existing mobile tanks of the temporary liquid waste system and installs smaller tanks. This change provides the flexibility to move the system in the future and ultimately remove the system.

**Summary:** This change allows for the operation of the temporary liquid waste system using smaller tanks. The release limits have not changed such that there is no effect on the design bases or safety analysis. The malfunctions of the system result in consequences that are bounded by the liquid waste accident described in the Decommissioning Safety Analysis Report. The conclusion of the evaluation was that the proposed activity could be implemented under 10 CFR 50.59 without requiring prior NRC review or approval.

### **10 CFR 72.48 Evaluations**

There were no 10 CFR 72.48 evaluations during the reporting period.