



May 31, 2018

LC-2018-0038

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: License Termination Plan Request for Additional Information

References:

- 1) Gerard van Noordennen, LaCrosseSolutions, Letter to U.S. Nuclear Regulatory Commission, "License Amendment Request for the License Termination Plan," dated June 27, 2016
- 2) Gerard van Noordennen, LaCrosseSolutions, Letter to U.S. Nuclear Regulatory Commission, "License Termination Plan Update," dated December 1, 2016
- 3) Bruce Watson, U.S. Nuclear Regulatory Commission, Letter to John Sauger, EnergySolutions, "La Crosse Boiling Water Reactor-Request for Additional Information Regarding the LaCrosse Solutions License Termination Plan and Associated Conforming License Amendment," dated August 4, 2017

The La Crosse Boiling Water Reactor (LACBWR) License Termination Plan (LTP) was submitted to the U.S. Nuclear Regulatory Commission (NRC) for review on June 27, 2016 as documented in Reference 1. Following preliminary review and comments received during a public meeting held between NRC staff and LaCrosseSolutions representatives on October 20, 2016, an update to the LTP was submitted to the NRC on December 1, 2016 as documented in Reference 2. A Request for Additional Information (RAI) was received from the NRC on August 4, 2017 as documented in Reference 3.

Responses to the issues identified in the referenced RAI are provided in Enclosure 1. Supporting documents are provided in Enclosure 2. Enclosure 3 contains a preflight report for Enclosures 1 and 2.

LTP Revision 1 incorporates the RAI responses and will be provided in a separate correspondence.

There are no regulatory commitments contained in this letter. If you have any questions regarding this letter, please contact me at (860) 462-9707.

Respectfully,

Gerard van Noordennen  
Vice President Regulatory Affairs

Enclosures:

- Enclosure 1: RAI Responses
- Enclosure 2: Supporting Documentation on CD
- Enclosure 3: Preflight Report for Enclosures 1 and 2 to this submittal

cc: Marlayna Vaaler, U.S. NRC Project Manager  
Regional Administrator, U.S. NRC Region III  
Service List (Cover Letter, no enclosures)

NM5526  
NM55

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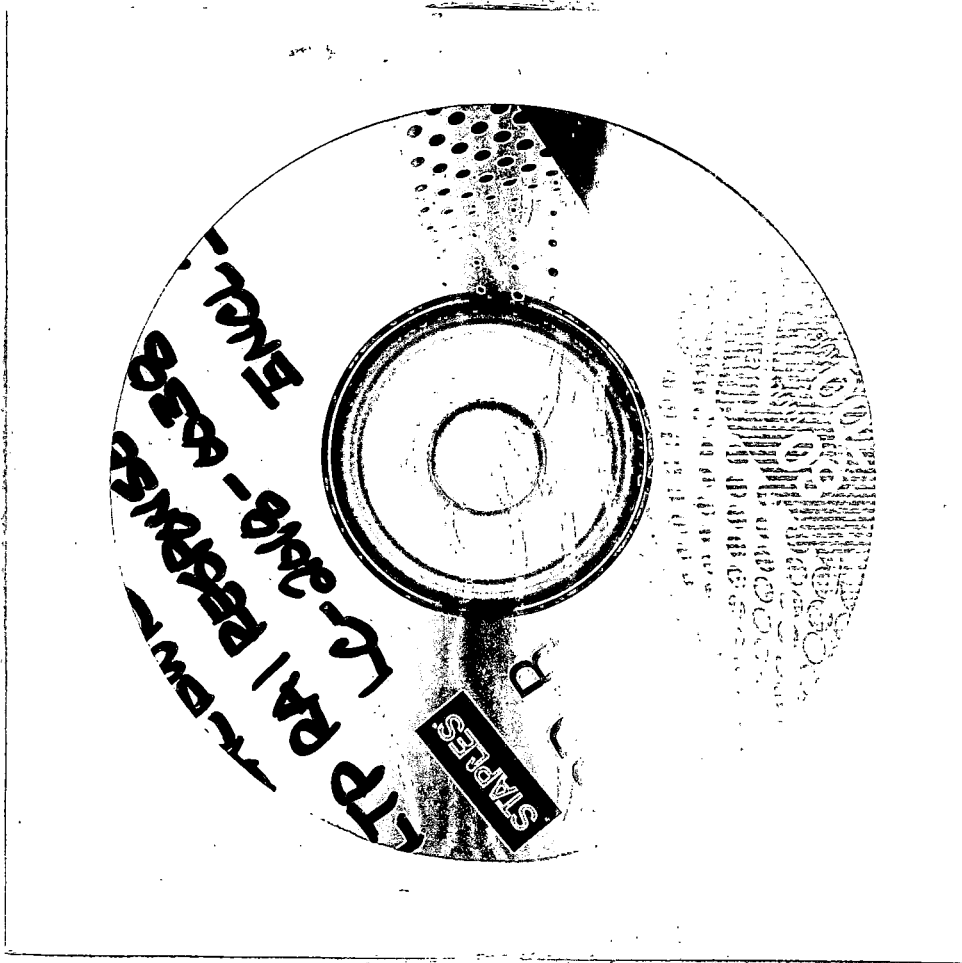
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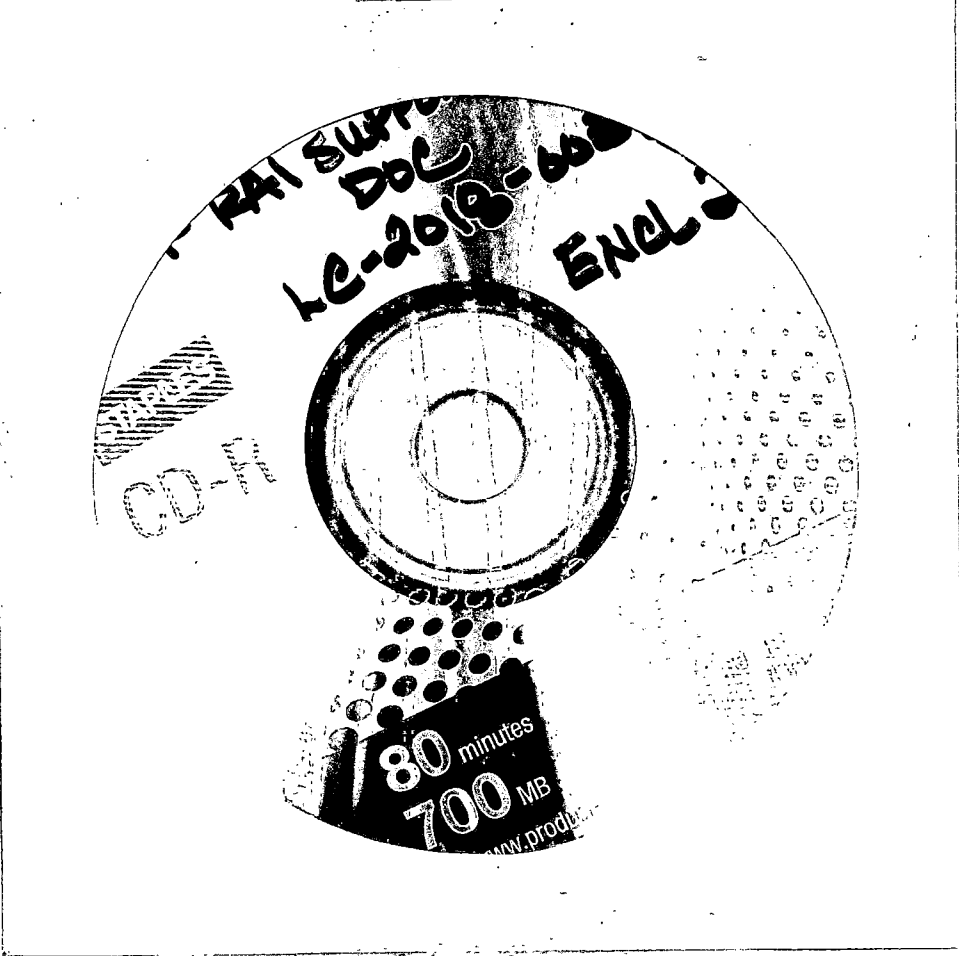
**ENCLOSURE 1**

**RAI Responses**



**ENCLOSURE 2**

**RAI Supporting Documentation**



**ENCLOSURE 3**  
**Preflight Report**  
**For**  
**Enclosures 1 and 2**

This document serves as preflight report for Enclosure 1 and 2 to the letter LC-2018-0038. The following files do not pass pre-flight criteria or do not meet NRC criteria, but text is word searchable with clarity/legibility of high quality.

| Document Name   | File Name   | Preflight Status | Reason  |
|---|---|------------------|---|
| <b>ENCLOSURE 1: RAI RESPONSES</b>   |   |                  |   |
| LACBWR LTP RAI Responses  | LACBWR RAI Full Response 05312018                           | Failed           | Document contains logos, graphics, and charts < 300 ppi, clear and legible  |
| <b>ENCLOSURE 2: SUPPORTING DOCUMENTATION ON CD</b>  |   |                  |   |
| <b>RS-TD-313196-004, LACBWR Soil DCGL, Basement Concrete DCGL, and Buried Pipe DCGL, Revision 4 and Support Files</b> |   |                  |   |
| RS-TD-313196-004, LACBWR Soil DCGL, Basement Concrete DCGL, and Buried Pipe DCGL, Revision 4                          | RS-TD-313196-004 Rev 4                                      | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|   | LACBWR Buried Pipe Circ Excavation DSR 052618               | Passed           |   |
|   | LACBWR Buried Pipe Circ Insitu DSR 052618                   | Passed           |   |
|   | LACBWR Buried Pipe Group Excavation DSR 052618              | Passed           |   |
|   | LACBWR Buried Pipe Group Insitu DSR 052618                  | Passed           |   |
|   | LACBWR Soil DCGL Initial Suite RESRAD Summary Report 052618 | Passed           |   |
|   | LACBWR Soil UA Cm-243 043018                                | Passed           |   |
|   | LACBWR Soil UA Cm-244 043018                                | Passed           |   |
| Calculations in Support of TSD RS-TD-313196-004 Rev 4   | Calculations in Support of TSD RS-TD-313196-004 Rev 4       | N/A              | Excel File - Calculations   |

| Document Name  | File Name                                | Preflight Status | Reason  |
|--|--|------------------|---|
| LACBWR FSS Survey, Unit L1-010-101C  | FSS Plan 101C I                          | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| LACBWR FSS Survey, Unit L1-010-101C  | FSS Plan 101C II                         | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| LACBWR FSS Survey, Unit L1-010-101C  | FSS Plan 101C III                        | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| FSS Unit: L1-010-101C<br>Waste Treatment Building Subsoil Excavation   | FSS Plan 101C IIII WTB Analysis 01052018 | N/A              | Excel File – Data/Analysis  |
|  | G3 Barrow RA                             | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| Certificate of Analysis Report<br>ENRG070 LaCrosseSolutions, LLC (672583)<br>Client SDG: 427522 GEL Work Order: 427522 | G3 Barrow Results I                      | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| Gamma Spectrum Analysis  | G3 Barrow Results II                     | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|  | L1-SUB-CDR FSS Plan                      | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|  | L1-SUB-TDS (102) HTD CoC                 | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|  | L1-SUB-TDS FSS Map                       | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |

| Document Name   | File Name   | Preflight Status | Reason  |
|---|---|------------------|---|
|   | L1-SUB-TDS HTD Analyses   | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|   | L1-SUB-TDS Plan   | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| Gamma Spectrum Analysis   | L2103 Sloping RA Gamma Spec                                     | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|   | L2103 Sloping RA Plan   | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|   | LACBWR Impingement and Entrainment of Fishes                    | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
| LC-FS-TSD-002<br>Operational Derived Concentration Guideline Levels For Final Status Survey                                     | LC_FS_TSD_002 Rev 2 OP DCGLs FOR FSS                            | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| LC-FS-PN-002<br>Characterization Survey Plan  | LC-FS-PN-002 Rev 0_Characterization Survey Plan                 | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| LC-FS-PR-003<br>Radiological Assessments and Remedial Action Support Surveys (RASS)   | LC-FS-PR-003 Rev 2 Radiological Assessments RASS FINAL 01262018 | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| LC-FS-TSD-001<br>Use of ISOCS for FSS of End State Sub Structures at LACBWR   | LC-FS-TSD-001 Rev 0   | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| Endangered Resources Review (ERR Log # 16-648)<br>Proposed Dairyland LACBWR Plant Demolition, Vernon County, WI (T13N R07W S32) | LTR WDNR Endangered Resources Review LACBWR Plant Demolition    | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |



| Document Name  | File Name  | Preflight Status | Reason  |
|--|--|------------------|---|
| Mussel Survey for a Proposed Fleeting Site Mississippi River Pool 9 near Genoa, Wisconsin 11151999 | Mussel Survey Fleeting Site Mississippi River Pool 9 | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|  | Pedretti Barrow Pit RA Plan                          | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|  | Pedretti Barrow Pit Results I                        | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|  | Pedretti Barrow Pit Results II                       | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
| RS-TD-313196-001<br>Radionuclides of Concern During LACBWR Decommissioning                         | RS-TD-313196-001 Rev 5                               | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
| RS-TD-313196-004<br>LACBWR Soil DCGL, Basement Concrete DCGL, and Buried Pipe DCGL                 | RS-TD-313196-004 Rev 4                               | Failed           | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|  | Sample Plan B1-010-04A_WGTV                          | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|  | Sample Plan L2-SUB-WRS-A-Warehouse RA                | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|  | Turbine Building Drains III                          | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|  | Turbine Building Drains IV                           | Failed           | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |

| <b>Document Name</b> | <b>File Name</b>        | <b>Preflight Status</b> | <b>Reason</b>   |
|----------------------|-------------------------|-------------------------|---|
|                      | Warehouse HTDs          | Failed                  | Document contains scanned document (unembedded fonts), logos, graphics, and signatures < 300 ppi, clear and legible |
|                      | Warehouse RA Gamma I    | Failed                  | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|                      | Warehouse RA Gamma II   | Failed                  | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|                      | Warehouse RA Gamma III  | Failed                  | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|                      | Warehouse RA Gamma IV   | Failed                  | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |
|                      | Warehouse RA Sample Map | Failed                  | Document contains scanned document (unembedded fonts) < 300 ppi, clear and legible                                  |