



LA CROSSE BOILING WATER REACTOR

LICENSE TERMINATION PLAN & PARTIAL SITE RELEASE

September 20, 2016

Public Meeting

Welcome

- Meeting Agenda
- Meeting Facilitation and Protocol
- NRC Speakers and Experts
- Public Comments, Questions, and Answers
- Meeting Feedback Forms (hard copies available)
- Adjourn at 8 PM



Meeting Agenda

- WELCOME AND PURPOSE OF MEETING
- NRC MISSION
 - Bruce Watson, CHP, Chief, Reactor Decommissioning Branch, NRC
- LA CROSSE LICENSE TERMINATION PLAN
 - Gerry VanNoordennen, LaCrosseSolutions
- NRC REGULATORY PROCESS
 - Marlayna Vaaler, Project Manager, NRC
- NRC INSPECTION AND OVERSIGHT PROGRAM
 - Marlayna Vaaler, Project Manager, NRC
- PARTIAL SITE RELEASE REQUEST
 - Marlayna Vaaler, Project Manager, NRC
- PUBLIC COMMENTS
- CLOSING REMARKS



NRC Mission

- The NRC's mission is to ensure safety, and to be protective of public health and the environment whether the site is operating, or transitioning from operation to decommissioning, and through the entire decommissioning process until the site has been radiologically decommissioned and the license is terminated.

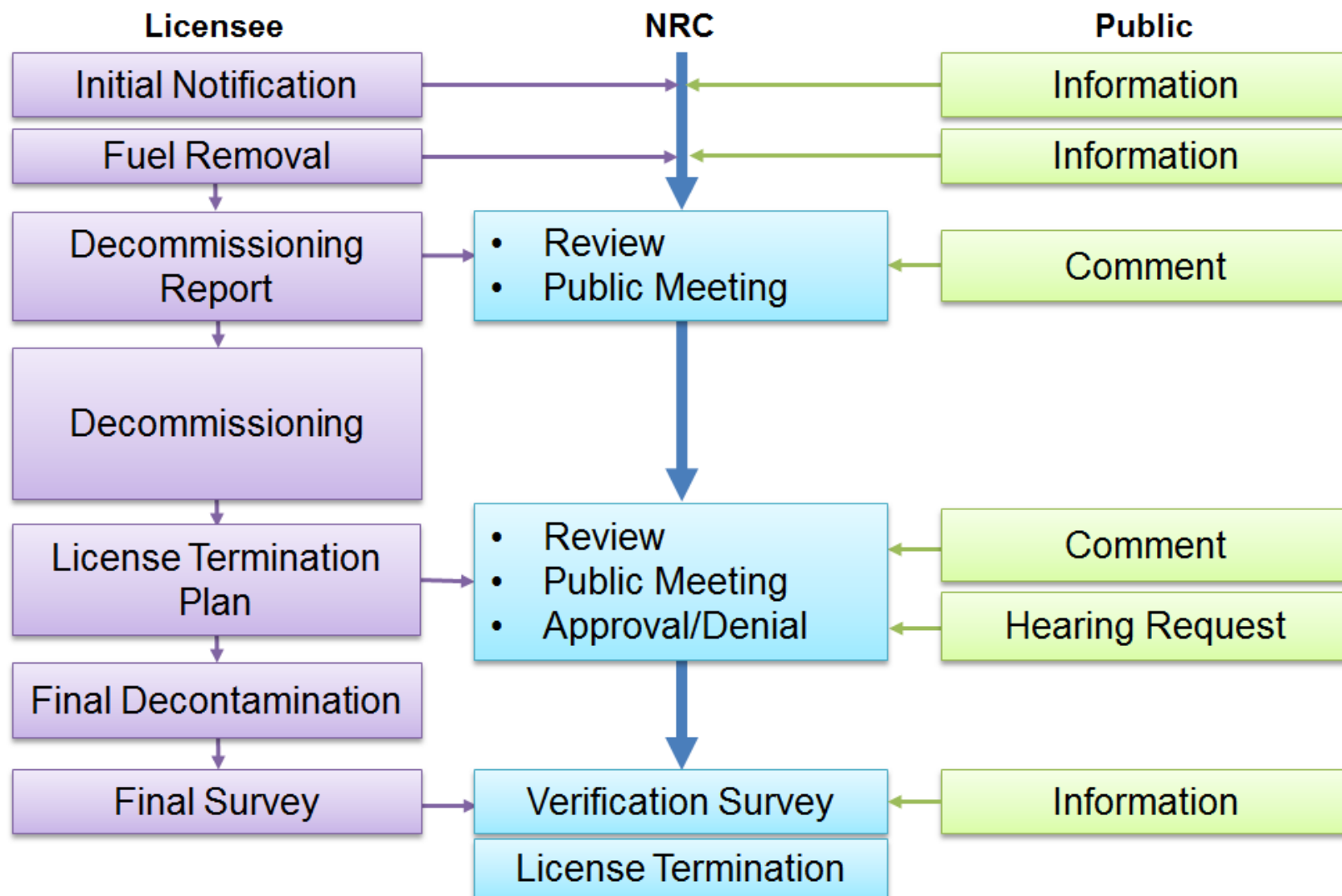


Decommissioning (10 CFR 20, Subpart E)

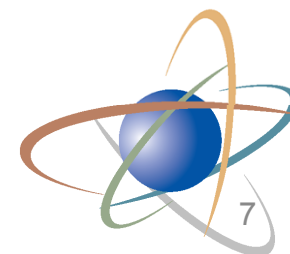
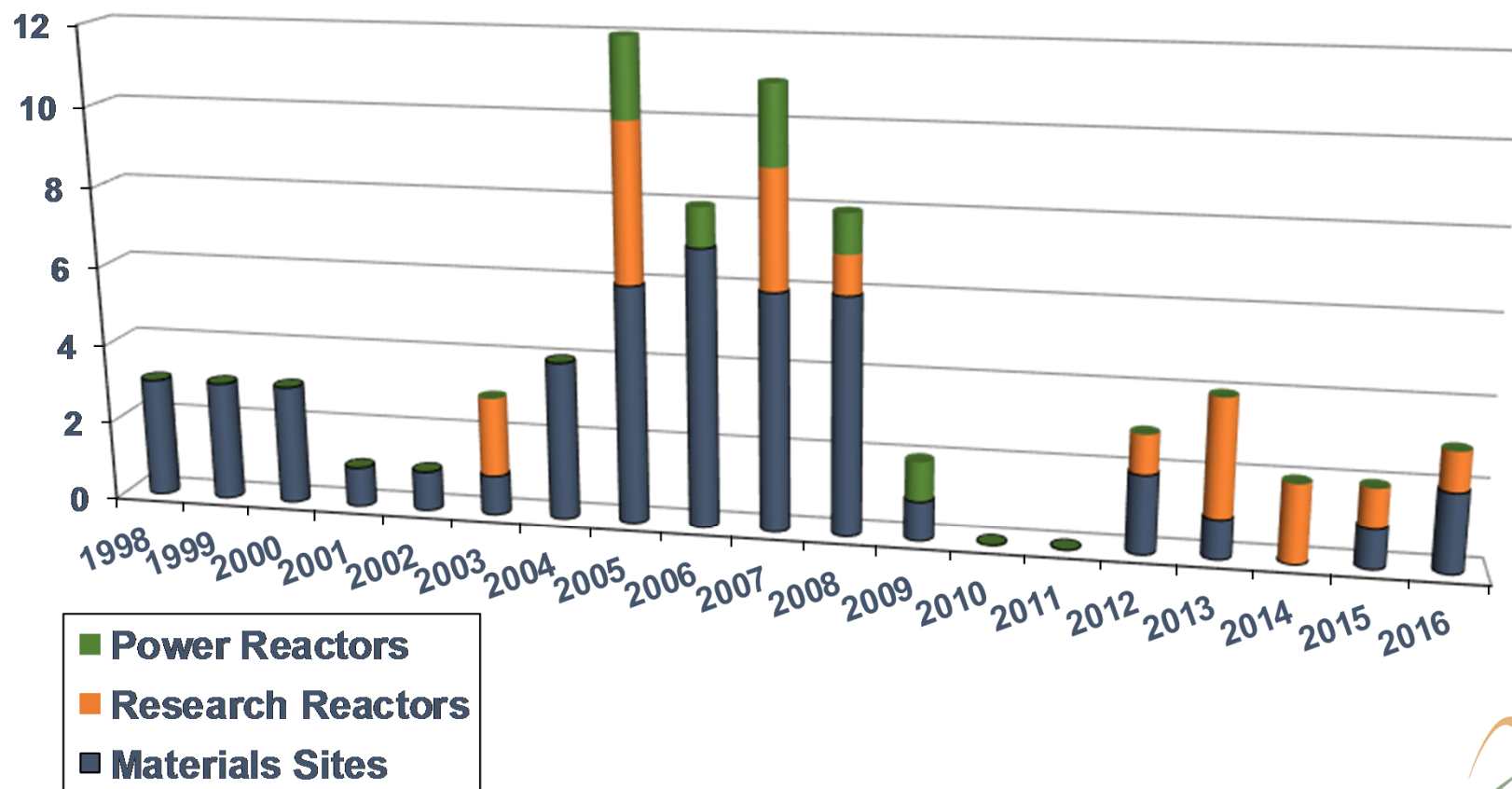
- To remove (as a facility) safely from service and reduce radioactivity to a level that permits:
- Release of the property for unrestricted use and termination of the license
- **Unrestricted Release Criteria**
 - Total Effective Dose Equivalent (TEDE) ≤ 25 mrem (0.25 mSv/a) and As Low As is Reasonably Achievable (ALARA)
 - Average member of the critical group
 - All pathways
 - Period of performance - 1000 years



Reactor Decommissioning Process



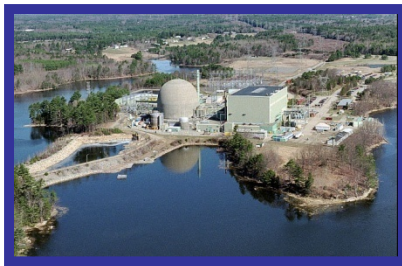
US NRC Decommissioned Facilities



Many Versions of Final Site Status After Decommissioning



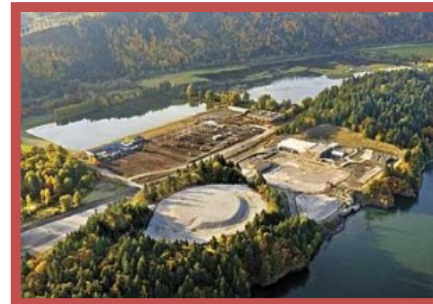
Connecticut Yankee, CT



Maine Yankee, ME



Trojan, OR



San Onofre Unit 1, CA



- Gerry VanNoordennen
- La Crosse Solutions
- Ongoing License Termination Activities at the La Crosse Site
- Final Site Status

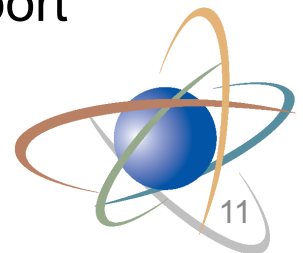


- Marlayna Vaaler
- NRC Project Manager for La Crosse
- Contact:
 - Phone: 301-415-3178
 - Email: marlayna.vaaler@nrc.gov



License Termination Plan

- **The License Termination Plan Includes:**
 - Site Characterization
 - Identification of Remaining Dismantlement Activities
 - Plans for Site Remediation
 - Plans for the Final Radiation Survey
 - Description of the End Use of the Site if Restrictions are Imposed
 - Updated Site-Specific Cost Estimate of Remaining Costs
 - Any Information to Supplement the Environmental Report



La Crosse LTP Availability

- The La Crosse LTP is available for public viewing through the NRC's Agencywide Documents Access and Management System (ADAMS) at accession [reference] number **ML16200A095**.
- The La Crosse LTP is accessible electronically from the ADAMS Public Library component on the NRC website, <http://www.nrc.gov>.
- Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC Reference staff by telephone at 1-800-397-4209, or 301-415-4737, or by e-mail at pdr@nrc.gov.
- Please note that the La Crosse LTP consists of eight chapters covering the topics noted on the previous slide.



NRC Review of the LTP

- Acceptance Review
- Technical Review
- Request Additional Information as Necessary
- Public Meeting / Opportunity for a Hearing
- NRC Approves the LTP by License Amendment
- NRC Performs In-process Inspections

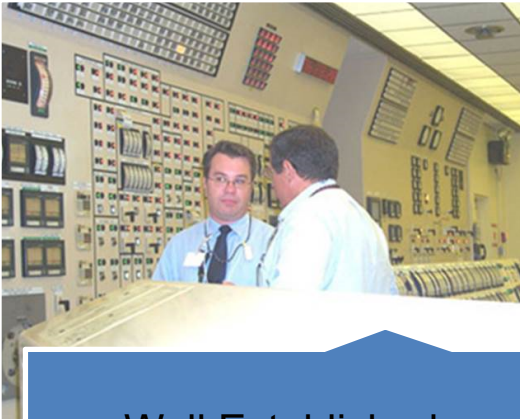


License Termination

- Licensee Submits Final Status Survey Report (FSSR)
- NRC Reviews and Approves the FSSR
- NRC Will Perform Confirmatory Surveys
- The License is Terminated if the License Termination Plan Was Followed and the Site Meets the Release Criteria
- Estimated Date of La Crosse License Termination is 2019



Inspector ENGAGEMENT with Focus on SAFETY and SECURITY



Well Established
Inspection Program



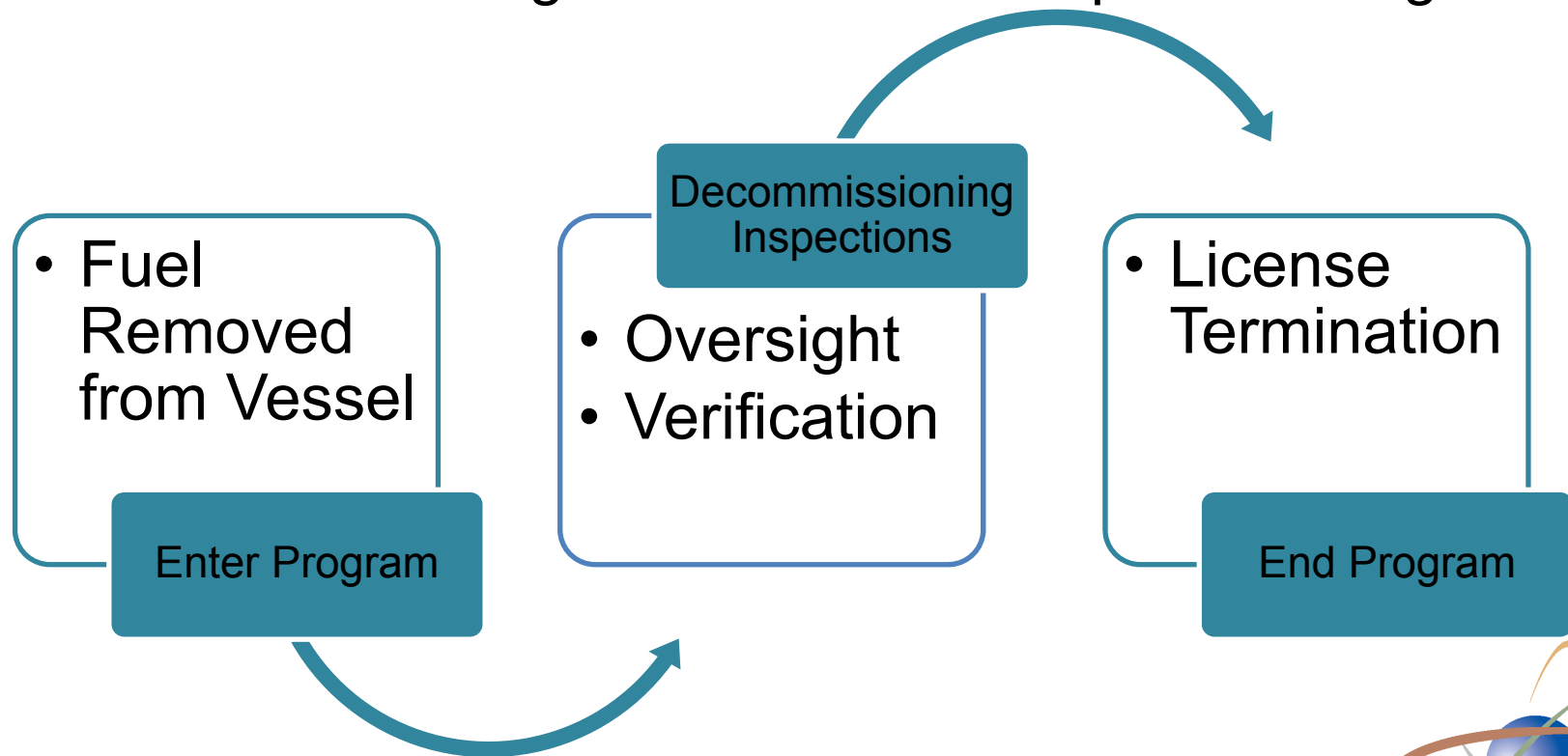
‘Boots on the Ground’



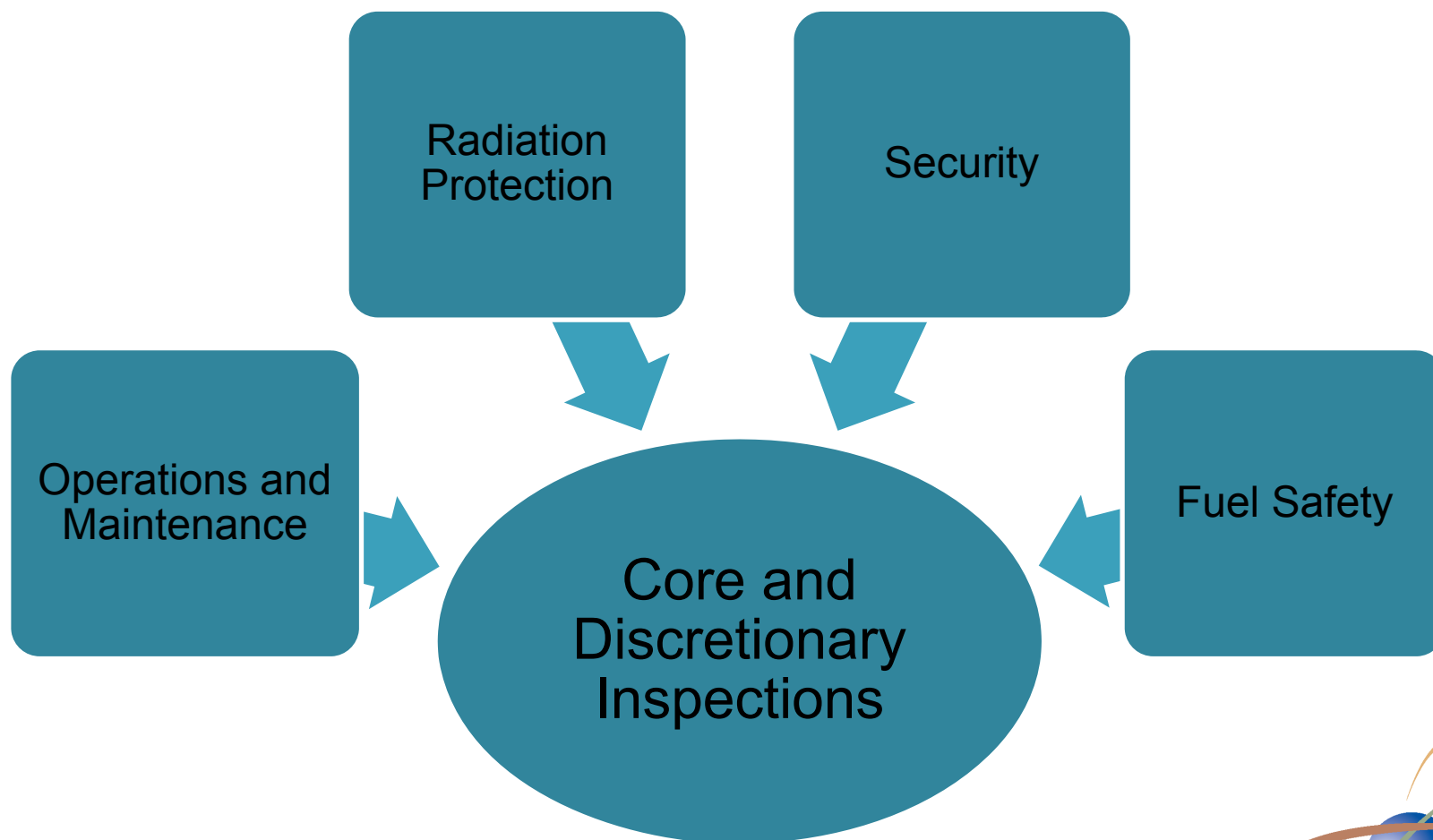
Maintain
Communication with
Stakeholders

Decommissioning Inspection Program

- Process is outlined in Inspection Manual Chapter 2561, “Decommissioning Power Reactor Inspection Program”

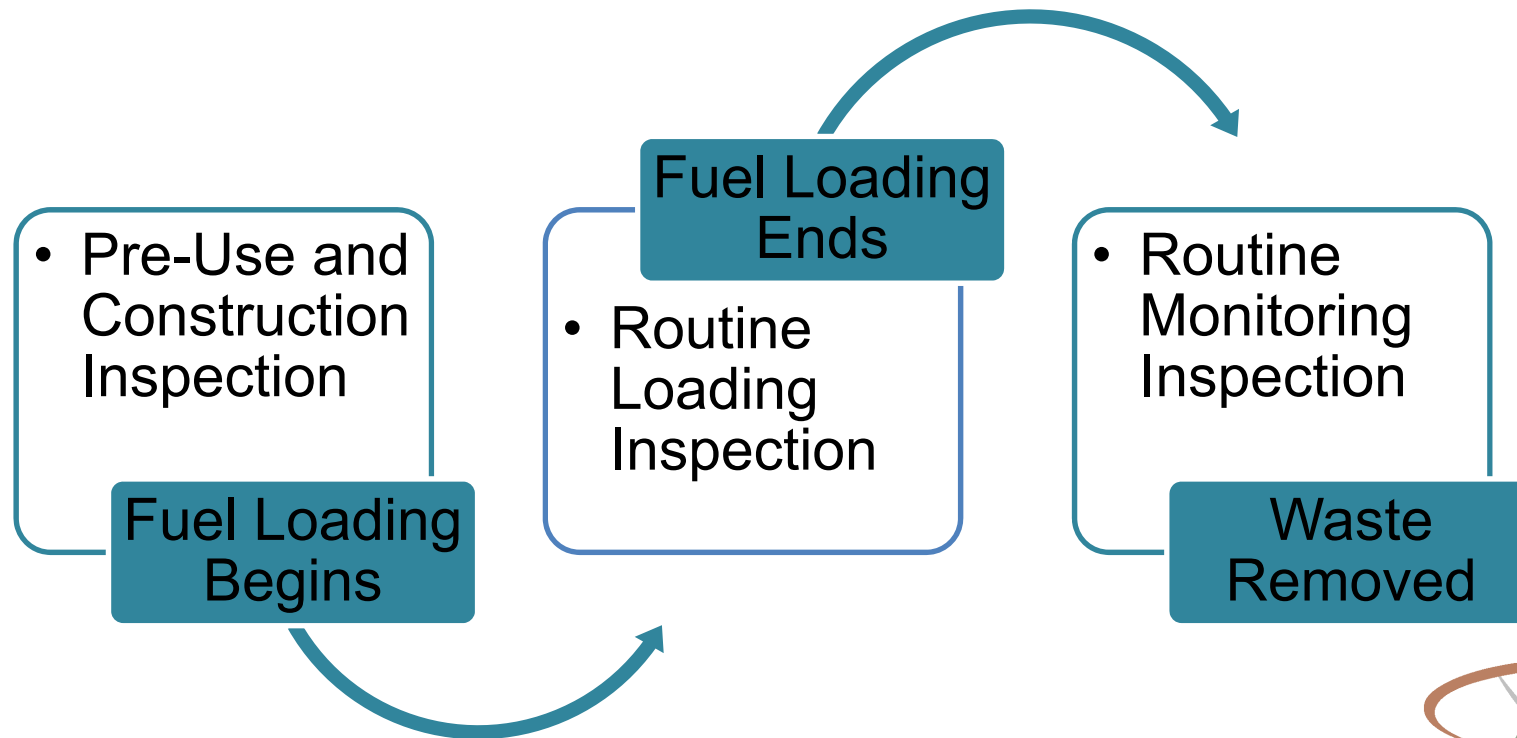


Comprehensive Inspections



Spent Fuel Inspection Program

- Process is outlined in Inspection Manual Chapter 2690, “Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations”



La Crosse Partial Site Release

- Request was submitted on June 27, 2016
- Available at ADAMS Accession No. ML16181A068
- Proposed action would remove and release the portions of the site which have been classified as radiologically non-impacted from La Crosse's previous operation
- Approximately 88 of the 165 acres of the site would be released, including components of the Genoa Generating Station coal-fired power plant, which remains operational
- Estimated date of release is March 2017

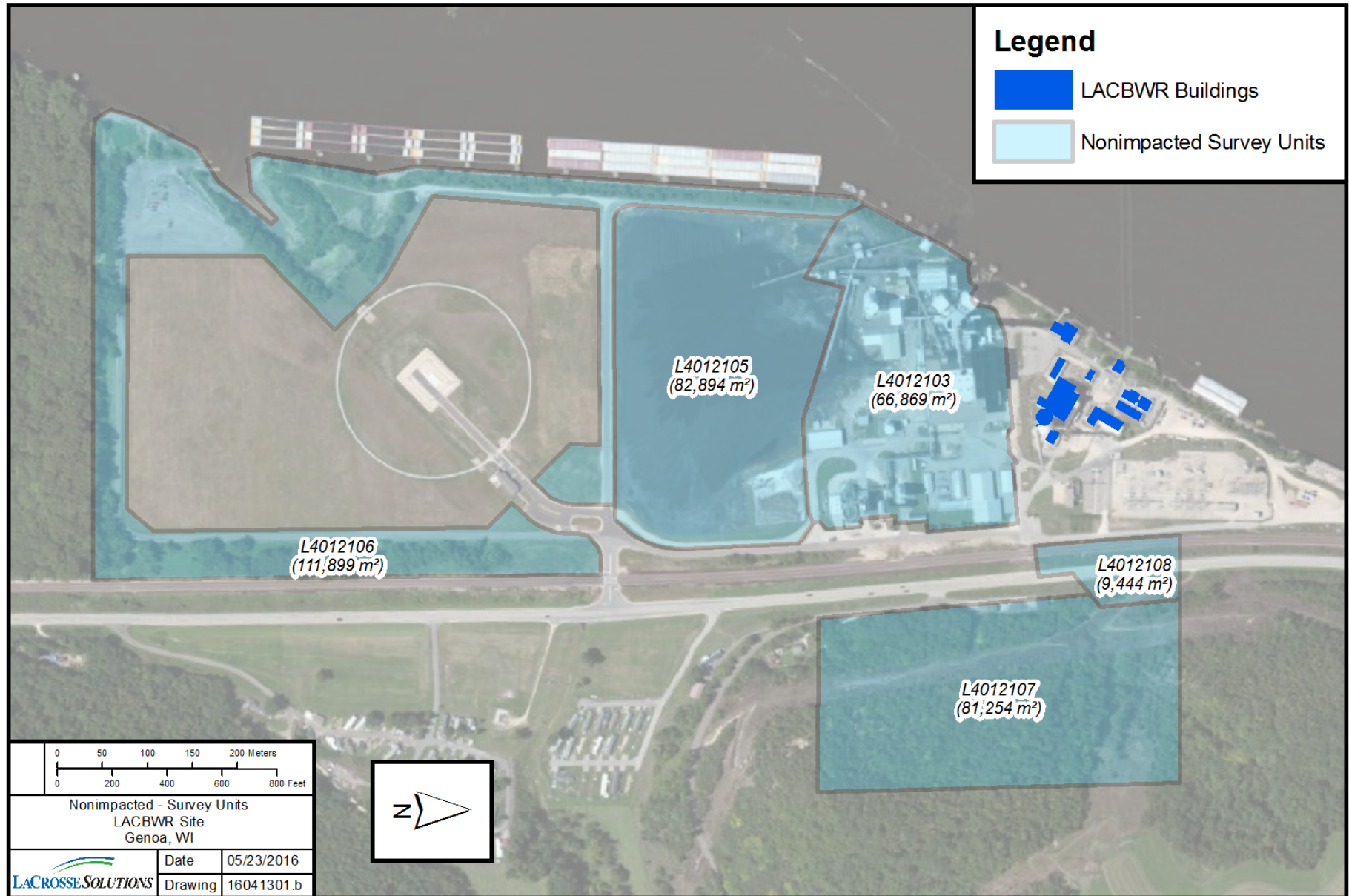


Partial Site Release

- **The Partial Site Release Includes:**
 - The results of evaluations performed to determine the effect of releasing the property, including dose to the public, effluent release, and environmental monitoring
 - A description of the land to be released
 - A schedule for release of the property
 - Results of the 10 CFR 50.59, “Changes, tests, and experiments,” evaluation performed
 - Environmental impact conclusions



La Crosse Site Areas Proposed for Release



NRC Contact Information

- NRC HQ Main Number: (800) 368-5642 or (301) 415-7000
- NRC RII Main Number: (630) 522-3025
- NRC Public Web Site: www.nrc.gov
- NRC Document Access System:
<http://www.nrc.gov/reading-rm/adams.html>



Comments and Questions from Members of the Public

