



# == **ENERGY** *SOLUTIONS* ==

NRC-LaCrosse LTP Discussion

October 20, 2016

## Background Information



- LaCrosse License Transferred to LaCrosse*Solutions* on June 1, 2016
- LaCrosse LTP Submitted for Acceptance Review on June 27, 2016
- LaCrosse 10 CFR 50.83 Partial Site Release request submitted June 27, 2016
- NRC Conducted Public Meeting regarding LTP and Partial Site Release in LaCrosse, WI on September 20, 2016
- Based on dialogue with NRC, LaCrosse*Solutions* will make modifications to the LTP to revise terminology and reviewability for conformity with NRC guidance documents
- The revision will incorporate change previously agreed with NRC to use Screening Values and FSS for above ground buildings as opposed to MARSAME
- Include any changes applicable to LaCrosse from Zion RAIs
- Including a few other changes to improve clarity

## Summary of Proposed Changes



- Overall Terminology Changes
  - Final Radiation Survey becomes Final Status Survey
  - Basement Dose Factors and Basement Inventory Limits are converted to DCGls
  - Source Term Surveys (STS) becomes FSS

## Summary-Changes by LTP Chapter



- Chapter 1
  - Terminology Changes
- Chapter 2
  - Terminology Changes
  - Provide specific list of above ground structures to remain post license termination that will undergo FSS
  - Replace MARSAME surveys with FSS and Screening Values
- Chapter 3
  - Terminology Changes
  - Delete MARSAME survey language for structures to remain

## Summary-Changes by LTP Chapter (Cont.)



- Chapter 4
  - Terminology Changes
  - Revise ALARA Calculation to use new DCGLs as opposed to BFM Dose Factors – no change in conclusions
- Chapter 5
  - Terminology Changes
  - Provide specific list of above ground structures to remain post license termination that will undergo FSS
  - Replace MARSAME surveys with FSS and Screening Values



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## Chapter 5 (cont.)

- Adjust FSS methods from Inventory Based Approach to DCGL/EMC approach
  - Survey unit classification based on DCGLs
  - Investigation levels based on DCGLs
  - EMC test incorporated
  - Add a post demolition scan survey in Class 1 floors to implement EMC test for small areas (< ISOCS 28 m2 FOV)
  - EMC test also applied to FSS ISOCS results
  - Dose calculated using standard DCGL based method (FSS Result/DCGL\*25)
  - Pre-demolition remediation levels adjusted lower to ensure that Basement DCGLs will be met at FSS (lower than open air demolition limits)

- Chapter 6
  - Terminology Changes
  - Apply screening values and FSS to above ground buildings
  - Insert specific list of above ground buildings to undergo FSS and remain post license termination
  - Add above ground buildings to compliance dose summation equation
  - Convert BFM Dose Factors to DCGs
  - Add Area Factors and EMC Test for Basement Concrete

- Chapter 7
  - Terminology Changes
- Chapter 8
  - Terminology Changes

## Technical Support Documents

- Modified to reflect terminology/FSS method changes



- Other Commitments
  - ISOCS Coverage 100% in Class 1 Survey Units
  - Independent review of LTP performed to identify and revise content where clarity can be improved
  - Chapter 5 requires ALARA aspect of release criteria to be included in FSS reports
  - Communications related to FSS and review of FSS data and reports will be directed to NRC HQ and Region III
  - Revised Draft LTP Rev 0 will be provided to NRC that identifies all changes
  - A change matrix will also be provided that lists the LTP section, page and paragraph of each change and the reason for the change
- Conclusion
  - LTP revised to incorporate terminology to provide a more direct comparison to NRC guidance documents and standard review plan

## Questions



- Other Topics?
- Questions?

Thanks for Your Time