
# NRC Meeting to Discuss Approach for Risk-Informed Aging Management

## Public Meeting Slides

## January 27, 2026

# AGENDA


- Introductions
- Purpose
- Overview of Approach
- Next Steps


# INTRODUCTIONS

## NextEra

- Jerry Phillabaum, Fleet Licensing Engineer
- Maribel Valdez, Fleet Licensing Manager
- Keith Vincent, Fleet PRA Manager
- Alan Katz, Sr. Director of Projects
- Dean Morgan, Director of SLR
- Angelo Pirone, SLR Project Manager
- Ken Mack, Fleet Licensing & Regulatory Compliance Director

## ENERCON

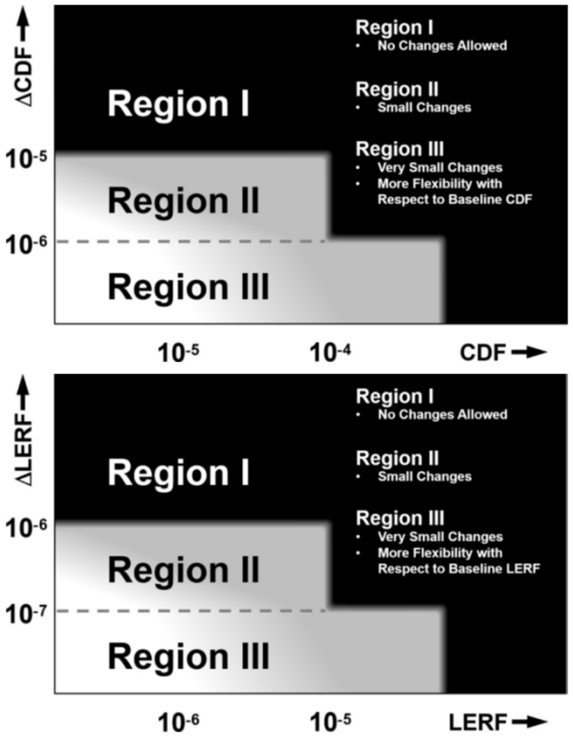
- Barry Thurston, Principal LR Engineer
- Tim Sande, Sr. PRA Manager
- Allen Hiser, Principal Reg. Services Engineer
- Michael Henderson, LR Director

# PURPOSE


- **Purpose: Provide the NRC staff an overview of a new and innovative risk-informed approach to aging management**
  - Answer questions and understand any concerns regarding the current risk-informed assessment scope for the Outdoor and Large Atmospheric Metallic Storage Tanks AMP
  - Discuss potential expansion to other aging management programs
- **Background: ENERCON prepared feasibility studies for a risk-informed aging management (RIAM) approach for inspections of outdoor and large atmospheric metallic storage tanks at Turkey Point and Point Beach**
  - Preliminary results show that the risk of extending the inspection intervals is very small
  - An initial review of the licensing requirements indicates that the inspection changes can be implemented through the 50.59 process without submitting a LAR

# OVERVIEW OF APPROACH


- **Meet the RG 1.174 key principals for a risk-informed application**
  - Comply with current regulations
  - Maintain defense-in-depth philosophy
  - Maintain sufficient safety margins
  - Keep any increases in risk small
  - Monitor using performance measurement strategies




RG 1.174 Guidelines for CDF/ΔCDF and LERF/ΔLERF

# OVERVIEW OF APPROACH


- **Risk-inform certain implementation details for a specific AMP**
  - Scope limited to internal tank inspections under GALL-SLR Revision 1 XI.M29, Outdoor and Large Atmospheric Metallic Storage Tanks AMP
  - Determine tank inspections and inspection intervals based on the combination of risk insights, operating experience, and unique material/environment combinations
  - Scope only affects SLR implementation activities and does not impact the SLR applications for PTN or PBN


# OVERVIEW OF APPROACH

- **Feasibility studies provide a preliminary assessment**
  - Review of OE to develop probability of loss of intended function for each tank
  - PRA model used to assess risk impact from tank aging over the remaining life of the plant
  - The risk impact from reducing tank inspections is very small (well within RG 1.174 Region 3)
  - Assessment of licensing basis indicates that a 50.59 evaluation is the appropriate process for implementation
  - Inspection plans can be modified over plant life based on OE and other factors to maintain low risk


# NEXT STEPS

- Incorporate NRC feedback
- Complete technical evaluations with additional analysis of OE/data
- Perform 50.59 evaluations
- Incorporate relevant changes in UFSARs and AMP implementing activities


# QUESTIONS?