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# Yucca Mountain Project: NRC Pre-License Application Activities

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## NRC Planned Activities

- Pre-license application consultation
- Repository standards
- Regulatory compliance (activities to support LA review)
- Conduct the proceeding (hearing related)

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# Pre-licensing Consultations

- Monitor the changes to DOE's repository program and continue to identify regulatory issues
- Monitor the quality assurance and technical issues associated with the U.S. Geological Survey (USGS) employee e-mails
- Identify important technical and regulatory issues and pursue public interactions with DOE

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## Pre-licensing Consultations (continued)

- Proposed public technical exchanges:
  - Pre-closure safety analysis (PCSA)
  - Level of information
  - Reliability of structures, systems and components
  - DOE's seismic design methodology
  - Transport aging and disposal (TAD) canister
  - Aircraft hazards

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## Pre-licensing Consultations (continued)

- Proposed public technical exchanges:
  - Pre-closure source terms and consequence analyses
  - Structural systems and components of surface and subsurface facilities
  - Total system performance assessment (TSPA)
  - U.S. Geological Survey matters
  - Corrective action program
  - Office of Science and Technology and International (OST&I)

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# Revising NRC Licensing Criteria

- Public comment period over on revised Part 63
- Issue final regulations after final EPA standard
- NRC would update its regulatory guidance as necessary
- NRC is evaluating its analytical tools

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# Preparing for LA Review: Interim Staff Guidance

- NRC is developing interim staff guidance (ISG)
- Draft ISGs would be issued for public comment to allow stakeholder input

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# Summary

- Pre-application activities are an important part of NRC's overall regulatory responsibilities
- Preparing to interact with DOE on multiple technical topics
- Preparing to issue revised licensing criteria consistent with the revised EPA standard
- Preparing ISGs to more effectively implement its review responsibilities