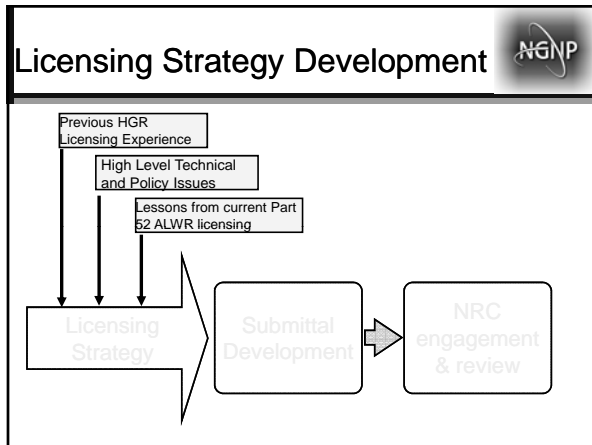


Project Licensing Status

Jim Kinsey
Director, Regulatory Affairs
NGNP Project



Strategy Considerations

Recognizing the co-dependent nature of licensing and technical issue resolution, the project team is developing a Licensing Specification to further define project strategy and direction

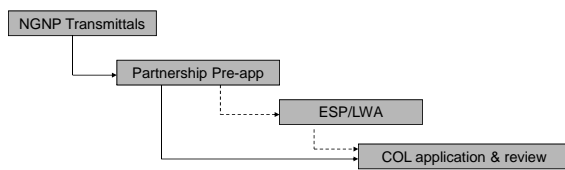
- Reconcile existing LWR requirements to HTGR features
- Identify white papers and reports required in support of Early Site Permit (ESP) and Combined License (COL) applications
- Establish Engineering and R&D interfaces in support of these NRC transmittals
- Develop an NRC interface schedule for pre-application and ESP/COL application activities

Licensing Priorities

- Near term pre-application areas of focus for the NNGP Project include:
 - Fission Product Transport – NNGP PIRT
 - Fuel qualification program
 - Accident analysis source term
 - Containment/confinement & EPZ definition
 - Establishment and implementation of a risk informed licensing approach

Process Overview

NGNP Pre-application Period Application Submittal & NRC Review



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graph TD; A[NGNP Transmittals] --> B[Partnership Pre-app]; B -.-> C[ESP/LWA]; C -.-> D[COL application & review];
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Design certification for the commercial design is expected to occur after issuance of the initial COL

The potential benefits of an ESP application are currently being evaluated

Current Status

- First project public meeting with NRC held on Dec. 11, 2008 covering topics associated with the risk informed approach
- Project licensing documents (white papers) covering the priority topics will be developed and submitted to NRC for review and feedback
- NNGP is coordinating research activities with the NRC Staff

Next Steps



- Continue pre-application submittal development and NRC interaction on priority topics in order to maximize the benefits of the pre-application period
- Focused pre-application activities will promote a timely and efficient COLA review following submittal in 2013
- Support gas-cooled reactor workshops and forums to facilitate common understanding and resolution of technical and licensing issues
