

Industry Experience and Perspective

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Day 1 Observations

- NRC Chairman Jaczko
 - LTO on radar screen
 - RPV integrity, internals, cables, buried pipe, concrete
 - Alignment with industry issues
- Julie Keys – NEI:
 - Stable and predictable regulatory platform
 - Part 54 is good enough
- Brew Barron – CENG
 - Decision making timeframe for plants to perform due diligence on future plant operations
 - 10 year planning and decision timeframe for plant upgrades
 - Long lead components: SGs, RPVs, pressurizer, core shroud, RPV internals
 - 10 Years = 5 - 2 year operating cycles
 - Plant walk downs, surveys, engineering, manufacturing, outage planning and integration considerations

Day 1 Observations

- Dr Allen Hiser – NRC
 - Industry has the point to resolve the challenges for extended operational periods
- Jim Lyash – Progress Energy
 - Existing nuclear facilities are valuable commodities to have in the community and state due to economic benefits
 - Current US nuclear fleet represents about 20% of US energy supply and 70% of clean energy generation in this country
 - Added equivalent of 28 new 1000 Mw nuclear reactors from up rates to current fleet

Industry Perspective

- General agreement, that long term plant operations is achievable and can be done safely provided the necessary research is performed and those results support continued operations.
- Recent survey of utility executives showed over whelming support for long term operations provided it can be done safely.

Industry Objective

- Sound technical bases are established to support nuclear plant life extension
 - Identify systems and components having lives consistent with life extension with only normal monitoring and maintenance
 - Identify those systems and components likely to require repair/replacement to achieve life extension
 - Identify options to address system and component life
- Processes to frame the utility decision making for license extension and making the investments in the plant

Industry Actions and Leadership

- Leadership for LTO for US utilities is thru EPRI Nuclear Sector and its action plan committees
 - MAPC, NDE, Equipment Reliability, Advanced Nuclear (new plant), Fuels , etc
- MAPC focus on current and future RCS component and materials aging issues
 - Accomplished thru BWRVIP, MRP, WRTC, PSCR, SGMP, WCC, and others
 - Integrated long term strategic plan to focus resources and funding for RCS materials aging

Industry Strategic Plan

- Product of MDM and IMT
- Significant resources to bring closure to strategic plan gaps
 - > \$50M/year (Average) on RCS material and component issues
 - Since 2004 > \$ 350M on RCS materials and components
 - Technical and executive advisors to the various committees
- I&E Guidelines that go beyond Code and regulatory requirements
 - DM Butt welds to address current day issues
 - RPV Internals to address license renewal issues

Conclusion

- Applying today's operating experience to resolve today's issues and to plan for future safe operations is critical.
- Identifying future research and operational needs is vital to keep the LTO option open.
- Safe and reliable plant operations is the ultimate goal.