

AMP Effectiveness

LRTF Meeting
December 5, 2013



Outline of Approach

- AMP effectiveness is closely related to and evaluated by operating experience and corrective action programs
- Self assessment is an integral element (i.e. *Confirmation Process*) of each AMP
- Existing administrative controls examine program health on a frequent basis for key programs
 - Many subject to NRC inspection and audit (ROP)
 - Maintenance Rule, LIC-105 (Commitment) overlap
- A periodic self-assessment of each AMP (using the NEI Guideline) will further analyze effectiveness

Approach (continued)

- Integrated with existing self-assessment processes
 - Strengths and recommendations documented in accordance with existing procedures
 - Deficiencies indicative of ineffectiveness with any program element addressed by CAP
 - Coordinated with current industry OE efforts
- The criteria for AMP reviews are correlated with the ten SRP program elements in NUREG-1800, Appendix A for consistency

Sample Performance Criteria

Detection of Aging Effects

Detection should occur before there is a loss of structure or component-intended function. This includes aspects like technique (i.e., visual, volumetric, surface exam), frequency, sample size, data collection, and timing of new or one-time inspections to ensure timely detection of aging effects.

- a) Inspections and examinations are conducted at appropriate intervals
- b) Aging effects are identified before loss of intended function
- c) Samples are biased toward locations most susceptible to aging effect of concern and sample size is expanded when degradation is detected in the initial sample
- d) Program adjustments are considered when unexpected results are discovered

Sample Performance Criteria

Operating Experience

If the AMP is an existing program, operating experience including past corrective actions should provide objective evidence to support a conclusion that the effects of aging are being managed adequately so that intended function(s) are maintained during PEO.

- a) Programs routinely evaluate industry operating experience and are adjusted as necessary.
- b) Plant-specific operating experience is used to adjust aging management focus
- c) ISG and new GALL recommendations are evaluated and incorporated.

Synergies

- Provide consistent results
- Reinforce best practices and industry experience
- Dovetails existing processes (e.g. LTAM, Health)
- Roll-up into plant and fleet snapshots
- AMP OE input for SLR Applications