



**RIC 2012
Regional Perspectives on the
Implementation of Aging Management**

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Regional Perspectives

- Results of recent IP 71003 inspections
- Importance of the Corrective Action Program and Operating Experience

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Recent Inspection Results

- Applicability of Quality Assurance Program
- Rigor in implementing Aging Management Programs
- Changing Commitments

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Key Words in a Renewed License

Actions have been identified and have been or will be taken with respect to: (1) **managing the effects of aging** during the period of extended operation on the **functionality of structures and components** that have been identified to require review under 10 CFR 54.21 (a)(1); and (2) **time-limited aging analyses** that have been identified to require review under 10 CFR 54.21 (c), **such that there is reasonable assurance** that the activities authorized by this renewed operating license will continue to be conducted in accordance with the current licensing basis, as defined in 10 CFR 54.3, for the facility, and that any changes made to the facility's current licensing basis in order to comply with 10 CFR 54.29(a) are in accordance with the Act and the Commission's regulations.



Aging Management Program Elements*

Scope	Acceptance Criteria
Preventative Actions	Corrective Actions
Parameters Monitored or Inspected	Confirmation Process
Detection of Aging Effects	Administrative Controls
Monitoring and Trending	Operating Experience

The GALL Report contains one acceptable way to manage aging effects for license renewal. An applicant may propose alternatives for staff review



Program Elements - continued

- Corrective actions, including root cause determination and prevention of recurrence, should be timely.
- Operating experience involving the Aging Management Program, including past corrective actions resulting in program enhancements or additional programs, should provide objective evidence to support a determination that the effects of aging will be adequately managed so that the structure and component intended functions will be maintained during the period of extended operation.

Corrective Action Program (CAP)

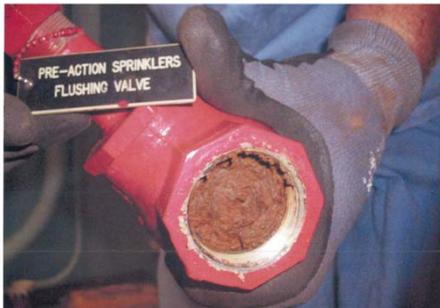
- Similar to operability concerns, new aging mechanisms or issues with managing the effects of aging can be identified at any time.
- Corrective Action Program should prompt review from an aging-perspective.

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CAP – Continued

- Does the as-found condition
 - suggest a new aging mechanism not considered in the current program?
 - reflect an expected condition?
 - Increase frequency of monitoring?
 - Modify the aging program?
 - Increase sample (or does the condition challenge previous assumptions on sampling)?

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Drywell Spray Header



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CAP – Operating Experience

- Insights gained as more units enter Period of Extended Operation and exercise Aging Management Programs
- Lessons learned from application reviews

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CAP – Operating Experience

- Information Notice (IN) 2011-15: Steel Containment Degradation
- IN 2011-20: Concrete Degradation
- Regulatory Issue Summary (RIS) 2011-05: Revision 2 of GALL
- RIS 2011-07: Internals Aging Management
- RIS 2011-14: Metal Fatigue Analysis

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Inspection Procedure 71003 Inspection Reports

Dresden Unit 2	Phase 1 & 2	IR 05000237/2009007 (ML093570258)
Dresden Unit 3	Phase 1 & 2	IR 05000249/2010010 (ML103560677)
H.B. Robinson Unit 2	Phase 1	IR 05000261/2010010 (ML101590782)
H.B. Robinson Unit 2	Phase 2	IR 05000261/2010008 (ML100970495)
Monticello	Phase 1	IR 05000263/2009006 (ML091540669)
Monticello	Phase 2	IR 05000263/2010008 (ML102450165)
Nine Mile Point Unit 1	Phase 1	IR 05000220/2009007 (ML092220005)
Oconee Unit 1	Phase 1	IR 05000269/2011013 (ML111250604/ML111450460)
Oconee Unit 2	Phase 1	IR 05000270/2011015 (ML113340346)
Oyster Creek	Phase 1	IR 05000219/2008007 (ML090210106)
Oyster Creek	Phase 2	IR 05000219/2009006 (ML091380379)
Oyster Creek	Phase 3?	IR 05000219/2010005 (ML110390509)



Inspection Procedure 71003 Inspection Reports

Palisades	Phase 1	IR 05000255/2010010 (ML103400593)
Palisades	Phase 2	IR 05000255/2011008 (ML11126A328)
Point Beach Unit 1	Phase 1	IR 05000266/2010007 (ML101200365)
Point Beach Unit 1	Phase 2	IR 05000266/2010011 (ML102850469)
Quad Cities Unit 1	Phase 1	IR 05000254/2011008 (ML11194A061)
R.E. Ginna Unit 1	Phase 2	IR 05000244/2009007 (ML091830868)
R.E. Ginna Unit 1	Phase 1	IR 05000244/2008008 (ML081650326)
Surry Units 1 and 2	Phase 1	IR 05000280/281/2011009 (ML111460331)
Surry Units 1 and 2	Phase 2	IR 05000280/281/2011010 (ML112560062)
Vermont Yankee	Phase 1	IR 05000271/2011011 (ML113560064)
