JOSEPH M. FARLEY NUCLEAR PLANT

Regulatory Performance Meeting

Results of the NRC 95002 Supplemental Inspection

July 10, 2008

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Meeting Purpose

- Public Exit Meeting for 95002 inspection (Inspection for One Degraded Cornerstone or any Three White Inputs in a Strategic Performance Area) conducted June 2 – 13
- Regulatory Performance Meeting to discuss corrective actions for the above issues.

Unit 1 Degraded Cornerstone Issues

- Cooling Water MSPI (3Q 2007)
- Parallel White Finding regarding Safety Related Breakers (3Q 2007)

Unit 2 Degraded Cornerstone Issues

- Parallel White Finding regarding Safety Related Breakers (3Q 2007)
- Yellow Finding for RHR suction valves (3Q 2007)
- White MSPI for RHR system (3Q 2007)

History – Unit 1

1st Qtr 2007	2nd Qtr 2007	3rd Qtr 2007	4th Qtr 2007	1st Qtr 2008	2nd Qtr 2008
		Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW
		Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers
				Input 3 White Performance Indicator AC Power	Input 3 White Performance Indicator AC Power
Licensee Response (Column 1)	**Licensee Response (Column 1)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**

History – Farley Unit 2

1st Qtr 2007	2nd Qtr 2007	3rd Qtr 2007	4th Qtr 2007	1st Qtr 2008	2nd Qtr 2008
	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR
		Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers
		Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump
Licensee Response (Column 1)	**Regulatory Response (Column 2)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**

Licensee Actions

- Conducted Root Cause Evaluations for identified issues.
- Developed a Common Cause Report
- Developed Corrective Actions for the identified deficiencies.

IP 95002 Objectives

- To provide assurance that the root causes and contributing causes are understood for individual and collective (multiple white inputs) risk significant performance issues.
- To independently assess the extent of condition and the extent of cause for individual and collective (multiple white inputs) risk significant performance issues.
- To independently determine if safety culture components caused or significantly contributed to the individual or collective (multiple white inputs) risk significant performance issues.
- To provide assurance that licensee corrective actions to risk significant performance issues are sufficient to address the root causes and contributing causes, and to prevent recurrence.

Inspection Team

- Mike Ernstes, Branch Chief DRS
- Bob Hagar, Robinson SRI
- Norm Merriweather, Senior Reactor Inspector
- Rob Berryman, Senior Reactor Inspector
- Mike Pribish, Watts Bar Resident Inspector
- Victor Hall, Vendor Inspector Branch NRR
- Tonya Lighty, DRP Project Engineer (Trainee)

Inspection Scope

95002 Inspection Requirements	U1 Cooling Water MSPI	U1 Parallel finding on S/R breakers	U2 RHR Yellow finding & White MSPI	Collective Issues
Problem Identification				
Root Cause				
Extent of Condition				
Extent of Cause				
Corrective Actions				
Independent assessment				
Safety Culture				
Section Lead	Pribish / Hall	Merriweather	Berryman	Hagar / Ernstes

Conclusions

- No new findings were identified by the inspection team.
- The NRC inspectors verified that the licensee used systematic methods to evaluate the issues and that they adequately determined causes for the events.

Conclusions

- The licensee's evaluation of the problems with the Corrective Action Program accurately reflected the problem areas and they have proposed long term actions to improve performance.

- The licensee's evaluations adequately considered Safety Culture aspects which contributed to the events. They have identified several actions to reinforce a strong safety culture.

Conclusions

- The NRC inspectors determined that the licensee has specified appropriate corrective actions for the root and contributing causes which led to the events.

Reactor Oversite Assessment Process

NRC Action Matrix
Farley Unit 1

1st Qtr 2007	2nd Qtr 2007	3rd Qtr 2007	4th Qtr 2007	1st Qtr 2008	2nd Qtr 2008	3rd Qtr 2008	4th Qtr 2008
		Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW	Input 1 White Performance Indicator CCW
		Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers		
				Input 3 White Performance Indicator AC Power	Input 3 White Performance Indicator AC Power	Input 3 White Performance Indicator AC Power	Input 3 White Performance Indicator AC Power
Licensee Response (Column 1)	**Licensee Response (Column 1)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**		

NRC Action Matrix
Farley Unit 2

1st Qtr 2007	2nd Qtr 2007	3rd Qtr 2007	4th Qtr 2007	1st Qtr 2008	2nd Qtr 2008	3rd Qtr 2008	4th Qtr 2008
	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR	Input 1 White Performance Indicator RHR
		Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers	Input 2 White Inspection Finding Open Parallel White Breakers		
		Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump	Input 3 Yellow Inspection Finding RHR Sump		
Licensee Response (Column 1)	**Regulatory Response (Column 2)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**	**Degraded Cornerstone (Column 3)**		

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