

PDI/NRC Meeting NRC Presentations

Tim Lupold
PDI Meeting
November 28, 2012

Brief History

- North Anna: SG inlet weld machining in preparation for weld overlay
 - Leak discovered
- NRC interested
- Industry forms NDE Implementation Focus Group
- Meeting held May 30th
- Discussions at NRC Management/Industry Executive materials meeting – July 31
- Met with NIFG at Church St. Sept. 11th

NIFG Actions

- NRC recognizes a lot of resources have gone into analyzing this incident
- NIFG has been thorough and broad in the evaluation and development of actions to improve NDE
 - 29 actions created
 - Plans to re-inspect welds
- We look forward to continuing to work together

Topics for Discussion



- Site Specific Mock-up Process: Stephen Cumblidge
 - Essential Variables
- Team Scanning: Tim Lupold

NRC Staff Messages

- **Site Specific Mock-up Process**
 - If essential variables are changed, rules of Appendix VIII must be followed
 - Want to see the procedure/process controls – not an outline
 - Process is not to be an end-around Appendix VIII
 - 50.55a alternative is required if App VIII is not followed
- **Staff is concerned with the use of Team Scanning for Appendix VIII applications**
 - Qualifications are not done in this method
 - Controls have not been established

Team Scanning

- Appendix VIII qualification does not address team scanning
 - Manual qualification, individual qualifying scans specimens
 - Concerned with monitoring person scanning and the display simultaneously
 - Method is prone to error – error trap
- Currently no prohibition in the ASME Code
- Quality of previous exams is called into question

Many Good Actions



- NIFG has taken a broad approach in evaluating the event
- 29 actions identified
 - Many are good items regardless of the event
 - Pre-job briefing practices
 - 6-months hands-on practice requirements
 - Utility oversight guide
 - Dissemination of NDE operating experience

Extremely Important Action



- Extent of Condition
 - NRC originally concerned with timeliness of implementation
 - Concerns subsided when learned no welds at \geq hot leg temperatures in the “red box”
 - Still extremely interested in plans and schedule
 - Want to see plan – not an outline

Next Up



- Stephen Cumbledge will discuss site specific mock-ups and essential variables