



NRC Report

**NUPIC Meeting
Pittsburgh, PA**

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Topic Areas

- NRO Vendor Inspection Program
- NRC Vendor Inspections
- Observation of NUPIC Joint Utility Audit at Cameron
- International Cooperation
- ASME NQA-1/NRC Interactions
- Future Vendor Inspection Activities



NRO Vendor Inspection Program

- IMC 2507 – Construction Vendor Inspection Program for New Reactors
 - IP43002 – Routine Inspection Procedure
 - IP43003 – Reactive Inspection Procedure
 - IP43004 – Commercial Grade Dedication
 - IP43005 – Procedure for oversight of industry's vendor activities
 - IP36100 – 10 CFR Part 21



NRC Vendor Inspections

Conval – Somers, Connecticut

Babcock & Wilcox – Toronto, Canada

Velan – Montreal, Canada

- Reports are still in Draft – Potential findings were identified.
- Will discuss at next NUPIC meeting.



NRC Vendor Inspections

Target Rock

- NRR and NRO conducted joint inspection.
 - Focused on ASME Code testing of dissimilar metal welds on valve pressure boundary components.
 - One Notice of Nonconformance for a survey failing to ensure that the supplier had verified critical characteristics.



NUPIC audit at Cameron

- On August 6-10, 2007, (3) NRC staff observed the NUPIC audit at Cameron Measurement Systems in City of Industry, CA
- NRC staff pilot IP43005, “NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements”
- Purpose:
 - Assess the NUPIC QA audit process used for suppliers of components to the nuclear industry
 - Piloted 10 CFR Part 21 Inspection Procedure at Cameron



NUPIC audit at Cameron

- NRC staff concluded that the NUPIC audit process was effectively implemented by the audit team and resulted in sound performance-based findings (15) for failure to adequately implement QA program requirements
- NRC staff pilot inspection identified several findings (4). Had Cameron been an actual supplier of nuclear safety-related basic components, these findings would have been violations of 10 CFR Part 21 requirements



NUPIC audit at Cameron

- NRC has requested that Cameron officially notify the NRC when Cameron determines whether it will itself undertake to manufacture or sell nuclear safety-related differential pressure devices.
- At that point, the NRC will determine the necessity of another inspection of the Cameron Appendix B to 10 CFR 50 and 10 CFR Part 21 programs as it pertains to activities conducted at Cameron.
- The NRC trip report documenting the NUPIC observation and the NRC letter to Cameron will be available on the NRC QA website.



International Cooperation

- Recent observation/participation of international counterpart inspector during NRC Vendor Inspections.
 - B&W – Canadian Regulator (CNSC)
 - Velan – French Regulator (ASN)
- Canada does not perform vendor inspections.
- France performs vendor inspections for pressure boundary components.



ASME NQA-/NRC interactions

- NRC staff will discuss with the NQA-1 Committee potential endorsement of the new NQA-1-2008 Edition, when it is published.
- NEI QA Task Group is interested in discussing the effect of the endorsement on new quality assurance programs. How will the template developed be affected by the endorsement of the new NQA-1-2008 Edition.



Meeting with NEI – IP43004

- On July 18, 2007, NRR/NRO staff met with NEI and industry representatives
- Discussed their comments on Draft Inspection Procedure 43004, “Inspection of Commercial-Grade Dedication Programs.”



NRR “News” (not NEW reactors)

- NRR staff is exploring the need to expand vendor inspection as needed to address operating experience issues.
- Let us know of any topic for future meetings.



NRC Future Vendor Inspection Activities

- NRR and NRO vendor inspections
- Allegation-related inspections
- NUPIC observation – Flowserve Vernon
- NRC Observation of international regulatory counterparts vendor inspections (e.g., France and Korea)



Questions?