

Component Fabrication and Oversight

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Not a New Issue

- Current experience
 - Browns Ferry, Watts Bar, outages
- Global experience
- Industry planning for new plants

Current Plants

- NRC approved Quality Assurance Program Description
- Clear contractual language to specify Parts, Materials, and Services (PMS).
- Surveillance performed during manufacture
- NUPIC audits of vendors



Current Plants (cont.)

- Based on safety significance, receipt inspection may include:
 - Laboratory testing of material
 - Detailed verification of documents and shipping materials
- Installation by quality technicians or craftsmen
- Testing of components after assembly
- Sharing of operating information across the industry



New Nuclear Enhancements

- Improved NUPIC audit checklist to focus on fraudulent PMS
- Trained NUPIC auditors on improved checklist and how to identify fraudulent efforts
- Improved awareness of vendors
- Increased/enhanced surveillance being performed at vendor shops.



Expanding the Supply Chain

- Key challenges
 - Increasing domestic capacity
 - Outreach to potential suppliers
 - Expanding domestic supplier access to foreign markets

Manufacturing Outreach Workshops

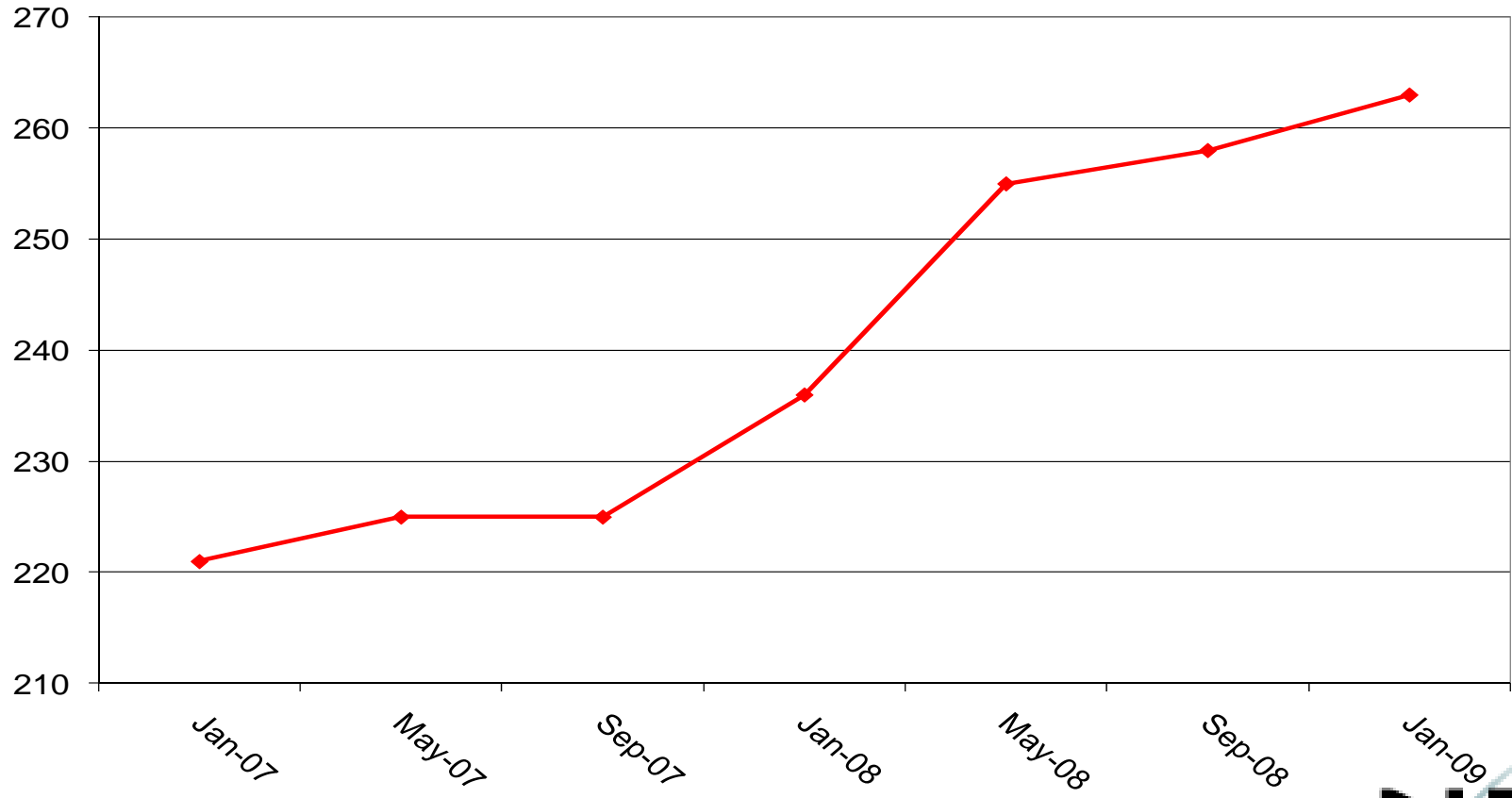
- Three events in 2008
 - Nearly 900 participated from 440 companies
- Four events in 2009
 - 450 participated in Chattanooga
 - Event tomorrow in Detroit
 - New quality workshops
- Other outreach



Educating Potential Vendors

- Nuclear quality expectations
 - 3-hour workshop session
(Commercial nuclear requirements)
 - 4-hour training (NQA-1 and DOE requirements)
 - NSSS and EPC vendor qualification programs

Increases in U.S. Nuclear Certifications



Source: ASME Nuclear Subcommittee on Accreditation, February 2009

