

# **Component Fabrication and Oversight**

**June 3, 2009**

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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

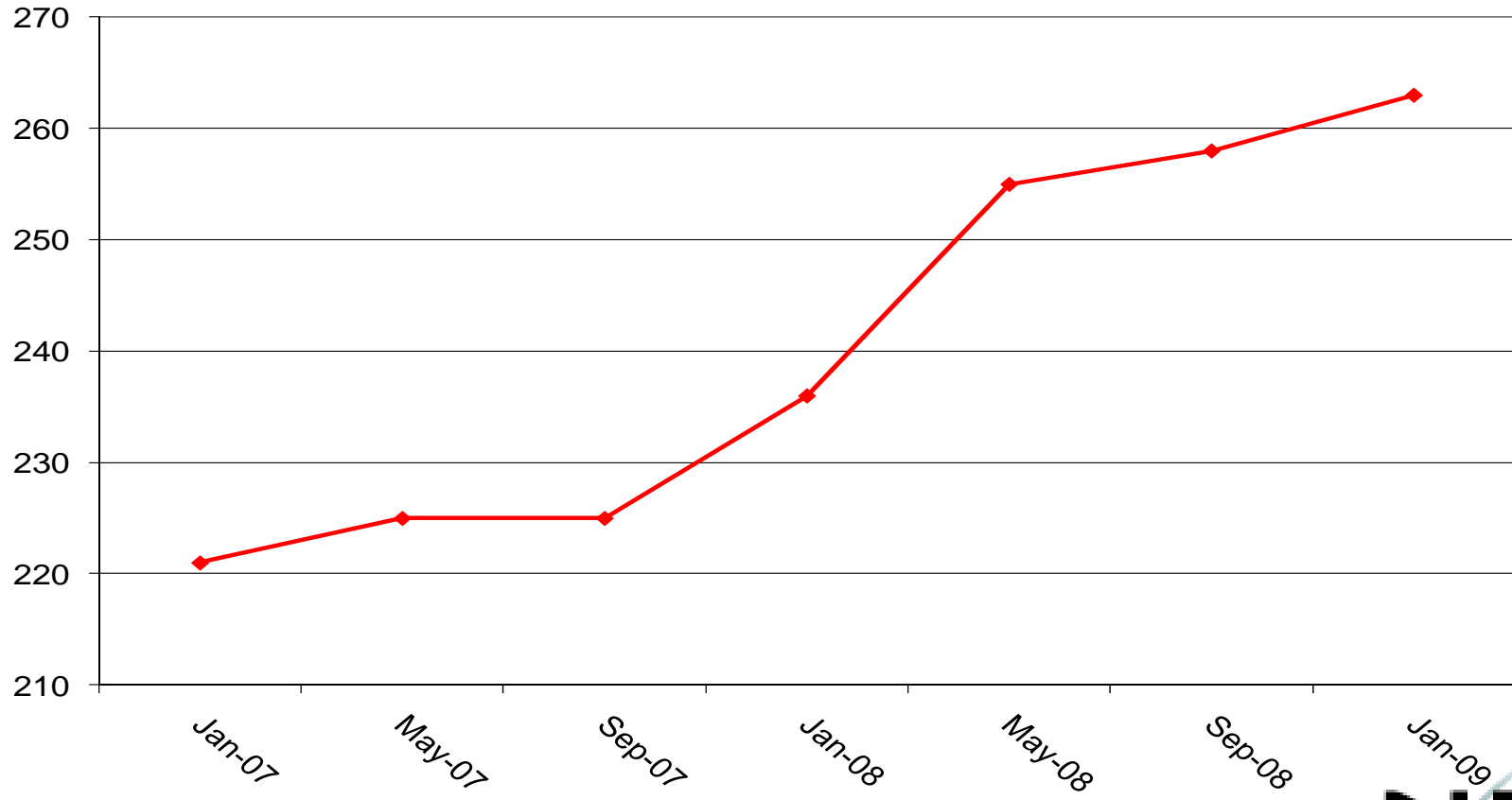


# Educating Potential Vendors

- 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

