

# DOE N 456.1 – Nanosafety Notice

*February 12, 2009*

*Carol Parnell*

*CAC Meeting*

**BROOKHAVEN**  
NATIONAL LABORATORY

*a passion for discovery*



# Outline

- Introduction
- Status – DOE Oversight Reviews
- Requirements of DOE Notice 456.1
- BNL Position

# Activities - 2008

- Five Nanoscale Science Research Centers (NSRC)
  - Developed guidelines for nanosafety – Revisions 2 and 3
- National Laboratory Directors Council (NLDC) agreed to comply



# Activities - 2008

- DOE HSS audited for implementation effectiveness
- BNL did well – with room for improvement



# Activities - 2008

- DOE and NLDC partnered to develop Notice 456.1 – Nanosafety Requirements
- BNL led team of 17 subject matter experts across all labs to draft language
- DOE partnered with laboratories – final Notice issued January 5, 2009



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## DDS Leadership Was Essential For Successful Outcome

- Collaborative effort - Deputy Directors of Science; National Laboratory Directors Council, 17 Labs, Office of Science, HSS
- Approved 1-5-09 and expires 1-5-10
- Compliance required within 60 days of incorporation into contract
- BHSO required to confirm BNL's compliance

# DOE N 456.1 – Our Obligations

- Maintain registry of nanomaterial workers
- Maintain electronic inventory of activities involving nanoparticle research
- Provide BHSO an annual review of activities involving nanoparticle research
- Include requirements in site safeguards and security plans, facility security plans, and emergency management programs

# DOE N 456.1 – Specific Requirements

- Training for nanoworkers and their supervisors – *Improved and ready*
  - Controls to ensure personnel are not exposed – *In place*
  - Medical Surveillance – Offer a baseline medical exam - *BNL mandates*
  - Labeling and transportation requirements - *In place*
  - Waste disposal tracking - *In place*
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- **Expect HSS audit in April/June**