



# Uranium Enrichment: Successes and Path Forward

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# Agenda

- Licensing Reviews
- Construction Inspection
- Public Involvement

# Licensing Reviews

- Successes
  - USEC Inc. Lead Cascade - 2004
  - LES National Enrichment Facility - 2006

# Licensing Reviews

- Successes (cont.)
  - USEC Inc. American Centrifuge Plant - 2007
  - GE-H Test Loop - 2008

# Licensing Reviews

- Successes (cont.)
  - Decommissioning financial assurance
  - Cooperation with Department of Energy
  - Recertification of the Gaseous Diffusion Plants - 2008

# Licensing Reviews

- Path Forward – Facilities under construction
  - Licensing amendments
  - Dispositioning depleted uranium

# Licensing Reviews

- Path Forward – New Applications
  - Building on prior application reviews
  - Applying lessons learned
  - Optimizing use of NRC and contractor resources

# Licensing Reviews

- Path Forward – New Applications (cont.)
  - Transferring knowledge
  - Protecting sensitive information
  - Evaluating terrorism in AREVA EIS

# Licensing Reviews

- Path Forward – New Applications (cont.)
  - Using an integrated team to prepare the EIS and SER
  - Preparing for hearings

# Construction Inspection

- Successes
  - Risk-informed construction inspection program
  - Sharing inspectors between fuel cycle facility and new reactor programs

# Construction Inspection

- Successes (cont.)
  - Early identification of quality and program issues
  - Effective use of lessons learned (past and present)

# Construction Inspection

- Path Forward
  - Enhancing efficiency and effectiveness
  - Conducting operational readiness reviews
  - Enhancing oversight process

# Public Involvement

- Successes
  - Engaged public in licensing NEF and ACP
  - Coordinated with local officials
  - Informed public in support of GDP recertification

# Public Involvement

- Path Forward
  - Involving public in licensing GE-H and AREVA facilities
  - Reaching out to local officials
  - Enhancing openness and stakeholder participation

# Closing

- Achieved success in
  - Licensing
  - Inspecting Construction
  - Involving the public
- Enhancing regulation by applying lessons learned
- Appreciate Commission guidance and stakeholder feedback

# Acronyms List

- ACP – American Centrifuge Plant
- DOE – U.S. Department of Energy
- GDP – Gaseous Diffusion Plant
- DU – Depleted Uranium
- GE-H – General Electric – Hitachi
- EIS – Environmental Impact Statement
- LES – Louisiana Energy Services
- NEF – National Enrichment Facility
- SER – Safety Evaluation Report

For more information visit:

[www.nrc.gov/materials/fuel-cycle-fac/ur-enrichment.html](http://www.nrc.gov/materials/fuel-cycle-fac/ur-enrichment.html)