USEC

A Global Energy Company

NRC Performance Review of Certified Activities

Portsmouth Gaseous Diffusion Plant

September 10, 2008
PUBLIC MEETING

Introduction

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Senior Vice President
Uranium Enrichment

USEC Perspective on Performance

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General Manager

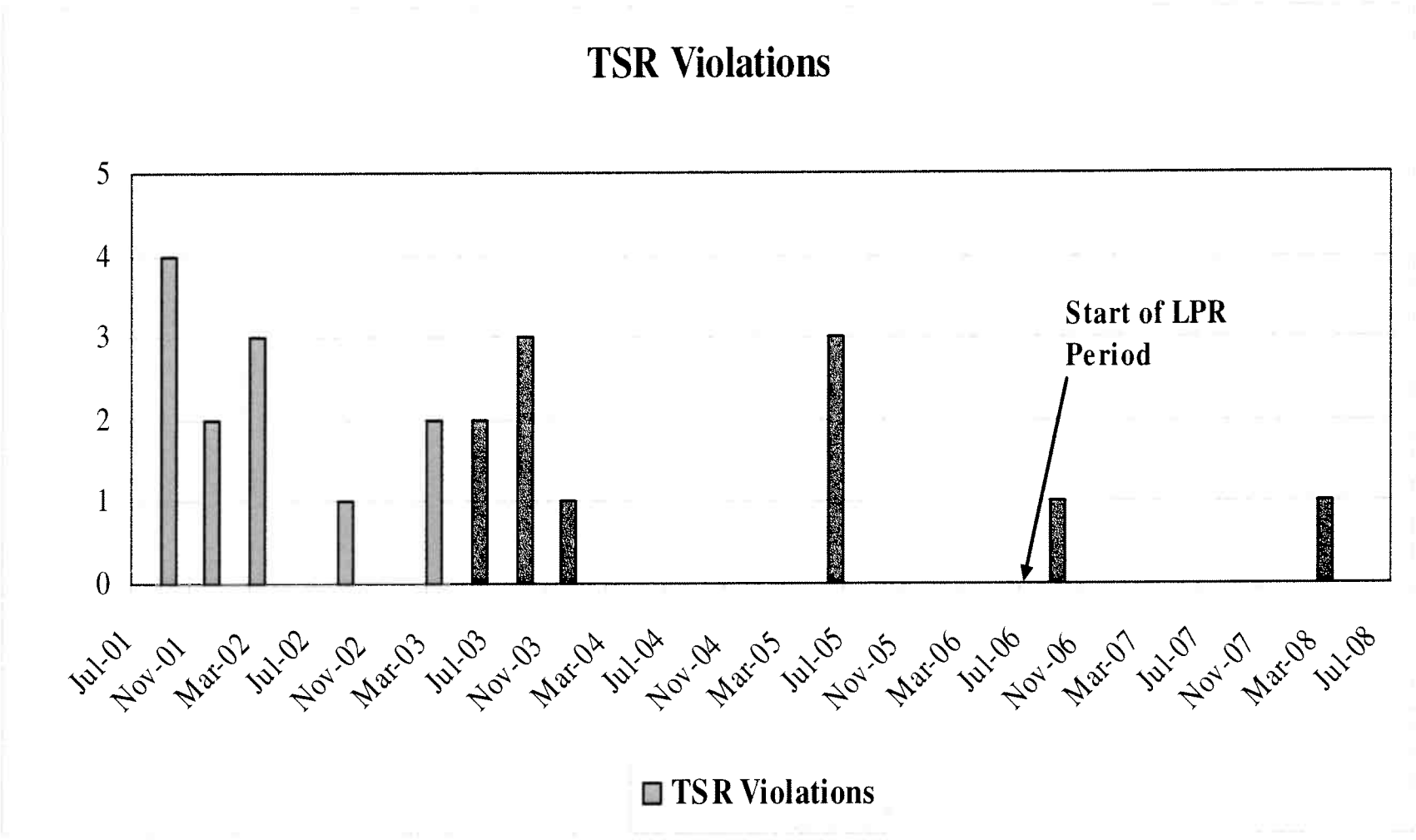
Overview of Performance

- U.S. Nuclear Regulatory Commission (NRC) review covered period from July 2, 2006 through July 5, 2008.
- Topical areas of Safety Operations, Safeguards, Radiological Controls, Facility Support, and Special Topics were reviewed.
- The NRC identified no areas needing improvement.
- USEC maintained a strong focus on safe, compliant operations during the assessment period and continues that focus as we move forward with current and future opportunities.

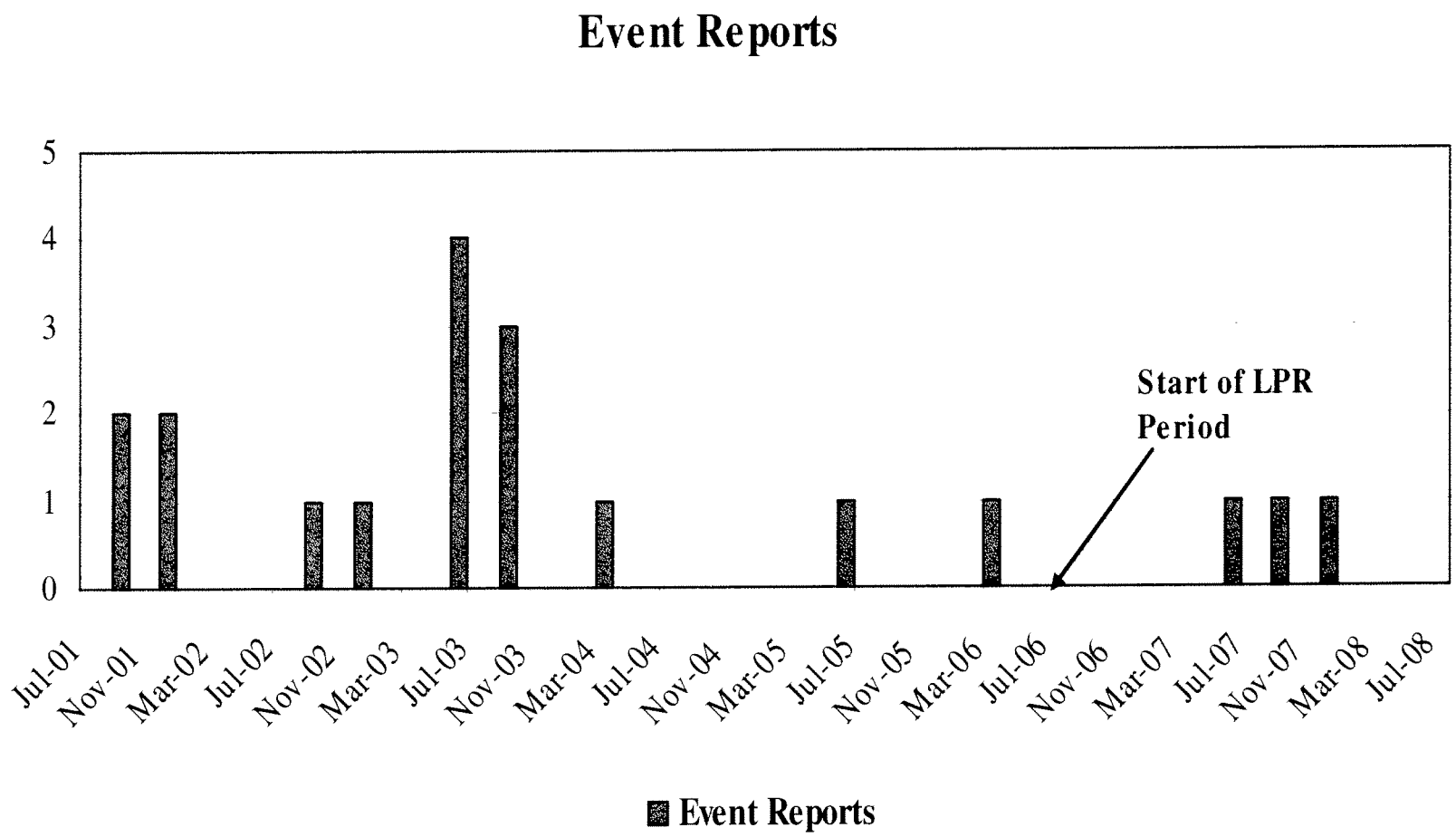
Safety Operations

- **Nuclear Safety performance continues to be integrated into daily operations. Strong safety performance improvements continue to be seen in the following areas:**
  - **Technical Safety Requirements (TSR) Compliance: TSRs define the conditions, boundaries, and management or administrative controls to ensure safe plant operation.**
  - **Event Reports: Written reports for those items that are reportable to the NRC in accordance with federal regulations or the plant Certificate of Compliance.**
  - **Nuclear Criticality Safety (NCS) Incident: Incidents where fissionable material is not processed, stored, or handled in accordance with established NCS requirements.**

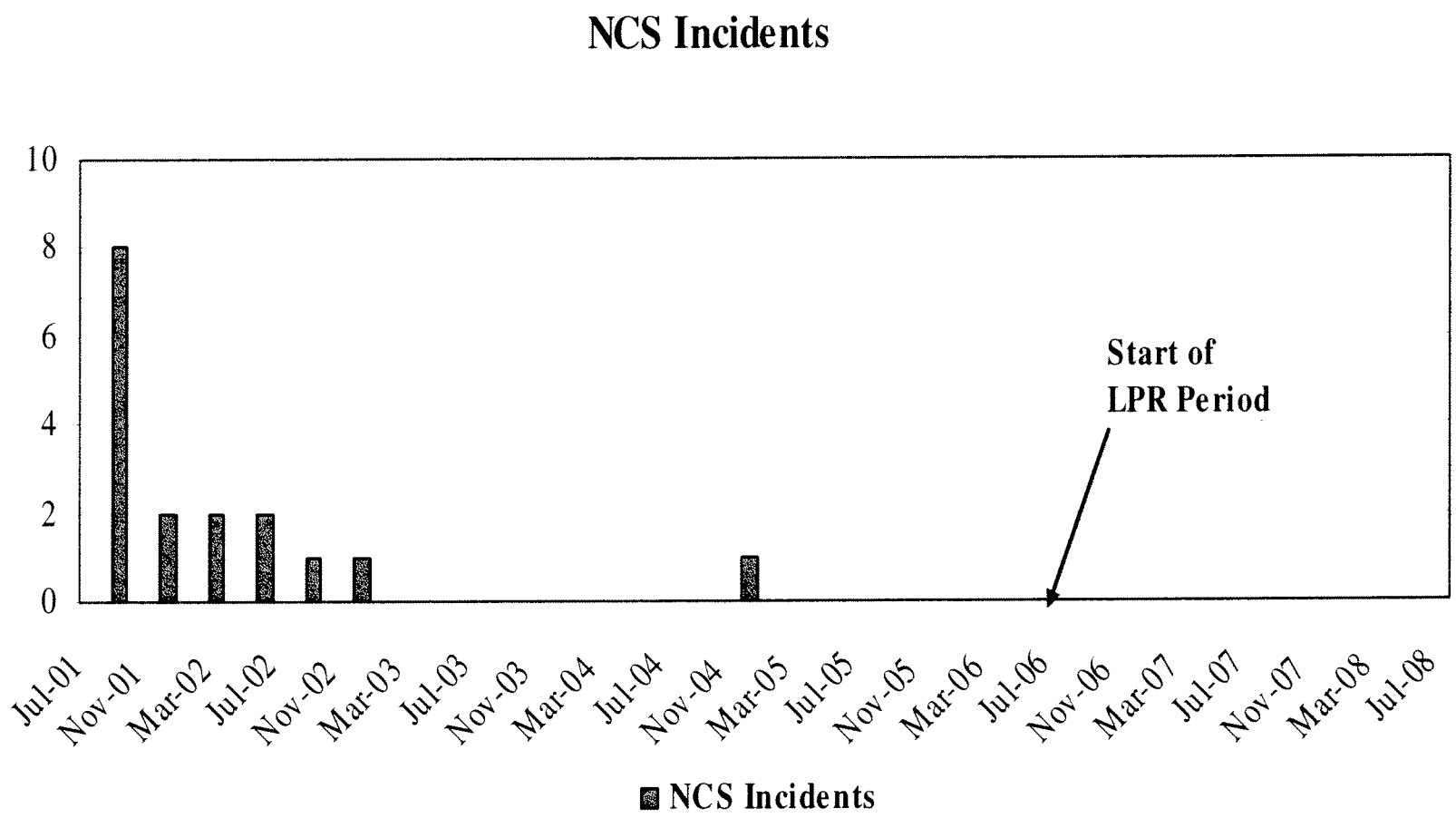
Safety Operations



Safety Operations



Safety Operations



Safety Operations

- **Significant Human performance errors continue to decrease**
  - **Annual average decreased from 1.0 per month in July 06 to 0.67 per month in July 08**
    - In previous review period there 32 SHPE versus 21 in the current period.
- **Focus on Conduct of Operations and Maintenance**
- **Efforts to continue this trend include:**
  - **Monitoring of near miss and pre-cursor events**
  - **Proactive responses to leading indicators**
- **Positive trends continue in the areas of Safety Conscious Work Environment (SCWE)**

Radiological Controls

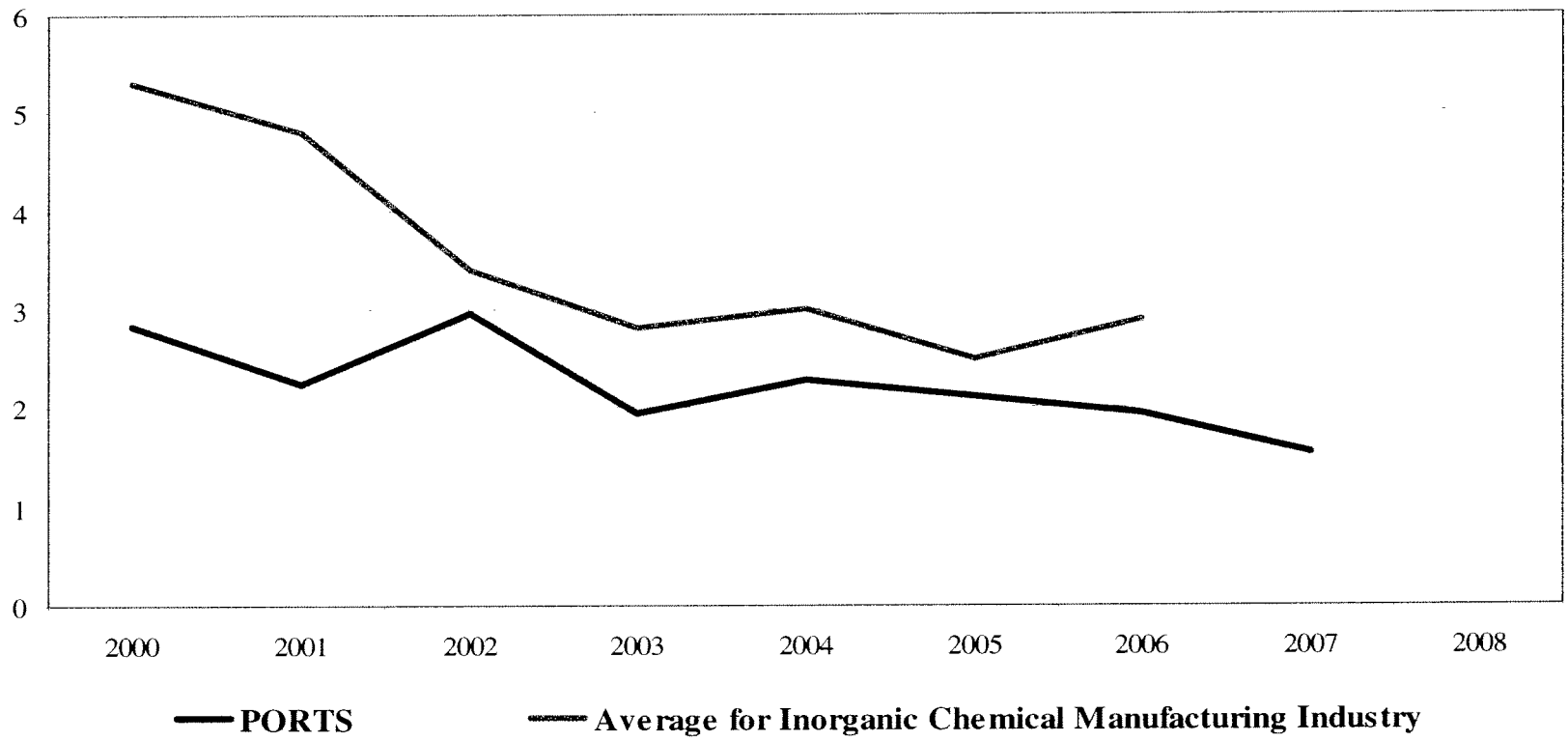
- PORTS Reduced Cumulative Dose
- Reduced Contamination Areas and Events
- PORTS Reduced Number of Radioactive Sealed Sources

Safety Operations

- USEC has partnered with USW, SPFPA, and OSHA to apply for OSHA Voluntary Protection Program (VPP) status
- USW Triangle of Prevention (TOP) program agreement between USEC and USW renegotiated
- Recognized by the Bureau of Workers Compensation Division of Safety and Hygiene for significant reduction of annual recorded injury/illness rate (RII) – 2007
- Achieved the lowest RII rate in plant history in 2007 and continue to maintain rates at below industry average
- Established an annually budgeted project to specifically address larger safety and health issues

Safety Operations

Recordable Injury/Illness Rate per 200,000 Hours Worked



Facility Support

- **Conducted successful 2007 biennial Emergency Response Organization Exercise:**
  - **5 local fire department**
  - **3 local Emergency Medical Service Squads**
  - **2 local law enforcement agencies**
  - **1 local hospital**
  - **2 state agencies**
- **No findings issued by regulators**

Emergency Response
Community Support and Interaction

- Continue to maintain Mutual Aid Agreements with Pike County Firefighters Association, Pike County Sheriff, local hospitals, and Pike County Emergency Medical Service
- Contributed fire truck to Camp Creek Volunteer Fire Department
- Continue to involve Pike County and Waverly City Schools in production of Emergency Public Information Calendar
- Provided Mutual aid assistance to Pike County
- Provided identification badges to Pike County Firefighters Association

Community Involvement

- Corporate Citizenship
- Educational Outreach
- Plant-site Education
- Community Involvement

Safeguards

- Negotiated Multi-Year Contract with SPFPA
- Expanded Substance Abuse Testing Program for Armed Officers
- Worked with DOE & NRC to open North East By-Pass Road to the Public
- Received a Satisfactory Rating in the last two DOE Firearms Safety and Physical Fitness Testing Audits
- Enhanced Security of Sensitive Information

Future Operations

- Plant mission will remain similar to mission during 2006-2008 evaluation period
  - Tech 99 Cleanup
  - Cold Shutdown
  - Site tenant support services continuing – Infrastructure & Services
- Will continue to focus on nuclear and industrial safety
- Continue to cultivate worker and community involvement in plant opportunities

Summary

- **USEC remains committed to safe plant operation:**
  - **Continued focus on Nuclear Safety As We**
    - Continue to include worker integration and involvement in safety programs
    - Increased proactive response to pre-cursor events
    - Continued SCWE Improvements
- **Continue efforts to maintain a strong Radiation Protection Program**