USEC

A Global Energy Company

NRC Performance Review of Certified Activities

Portsmouth Gaseous Diffusion Plant

September 27, 2006
PUBLIC MEETING

Introduction

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USEC Perspective on Performance

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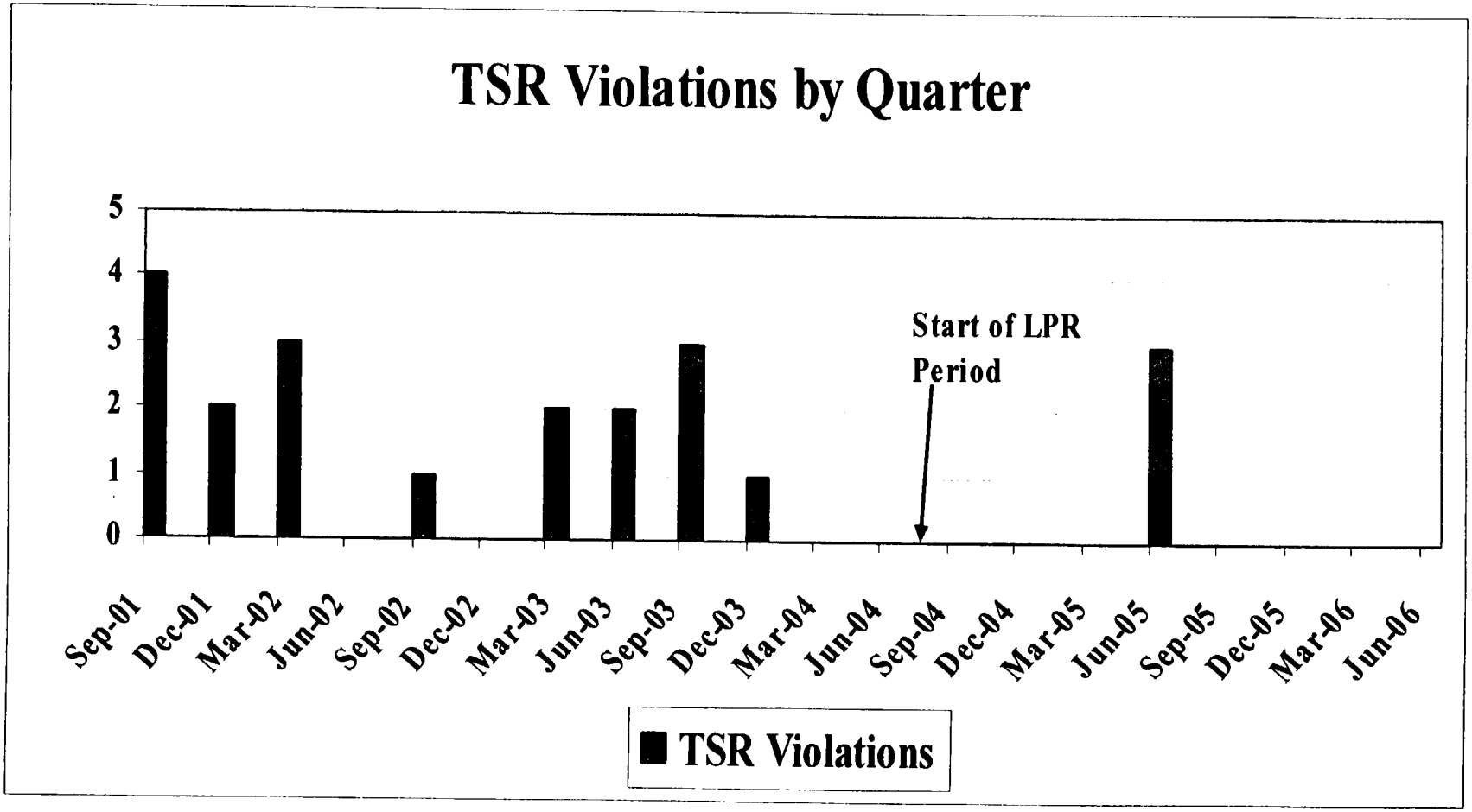
Overview of Performance

- U.S. Nuclear Regulatory Commission (NRC) review covered period from August 8, 2004 through July 1, 2006.
- Topical areas of Safety Operations, 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.

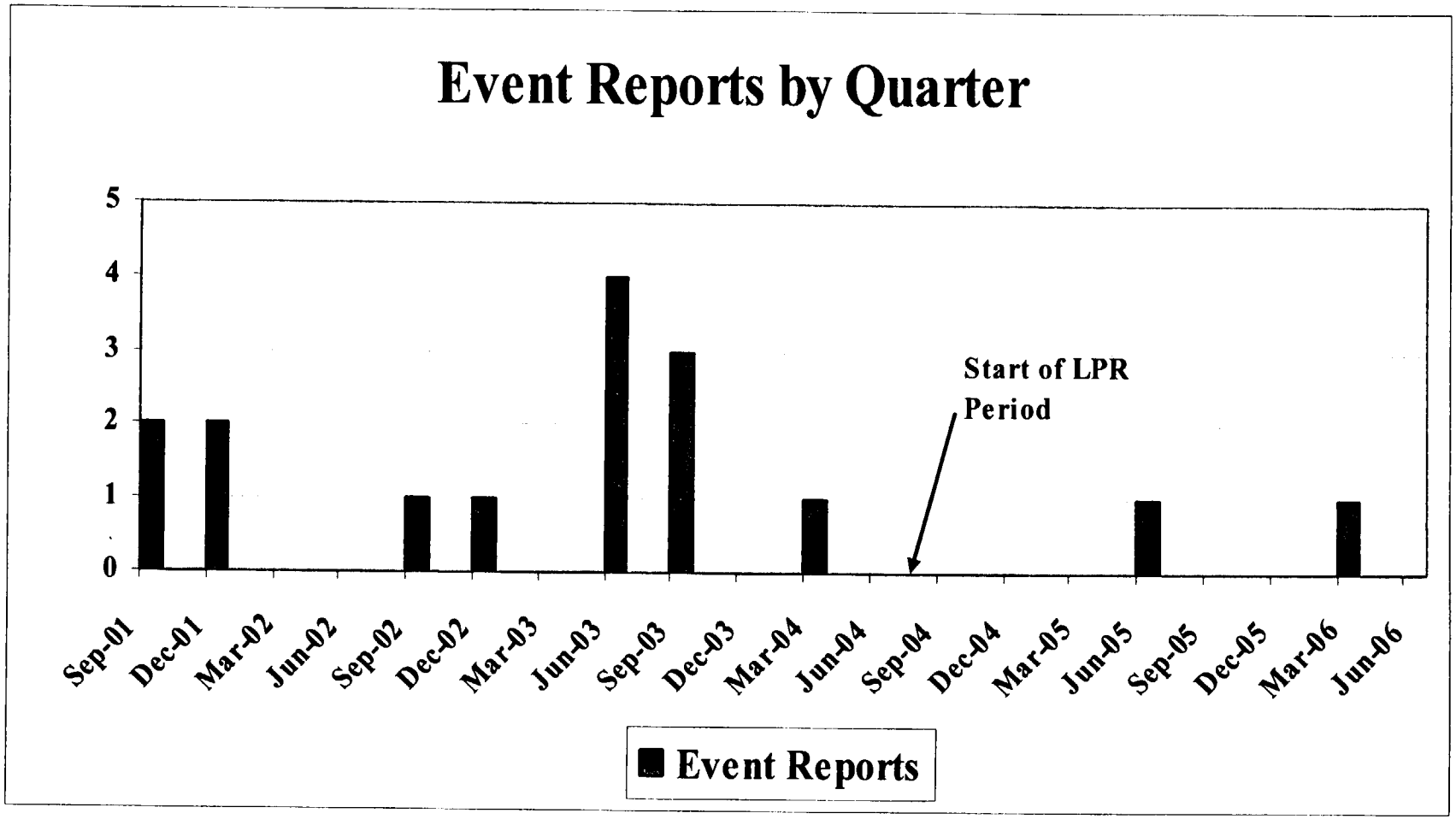
Safety Operations

- Nuclear Safety performance continues to be integrated into daily operations. Significant 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.

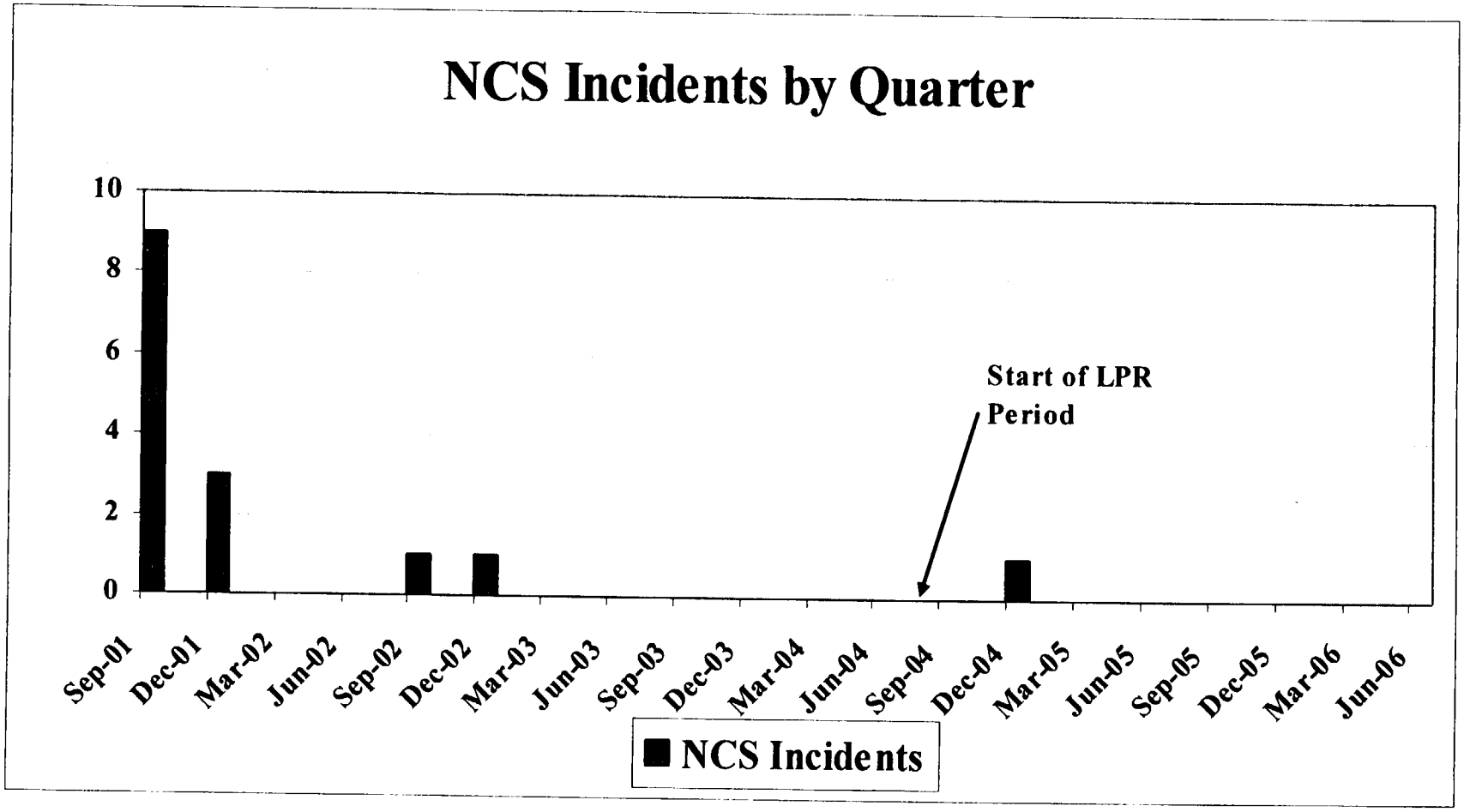
Safety Operations



Safety Operations



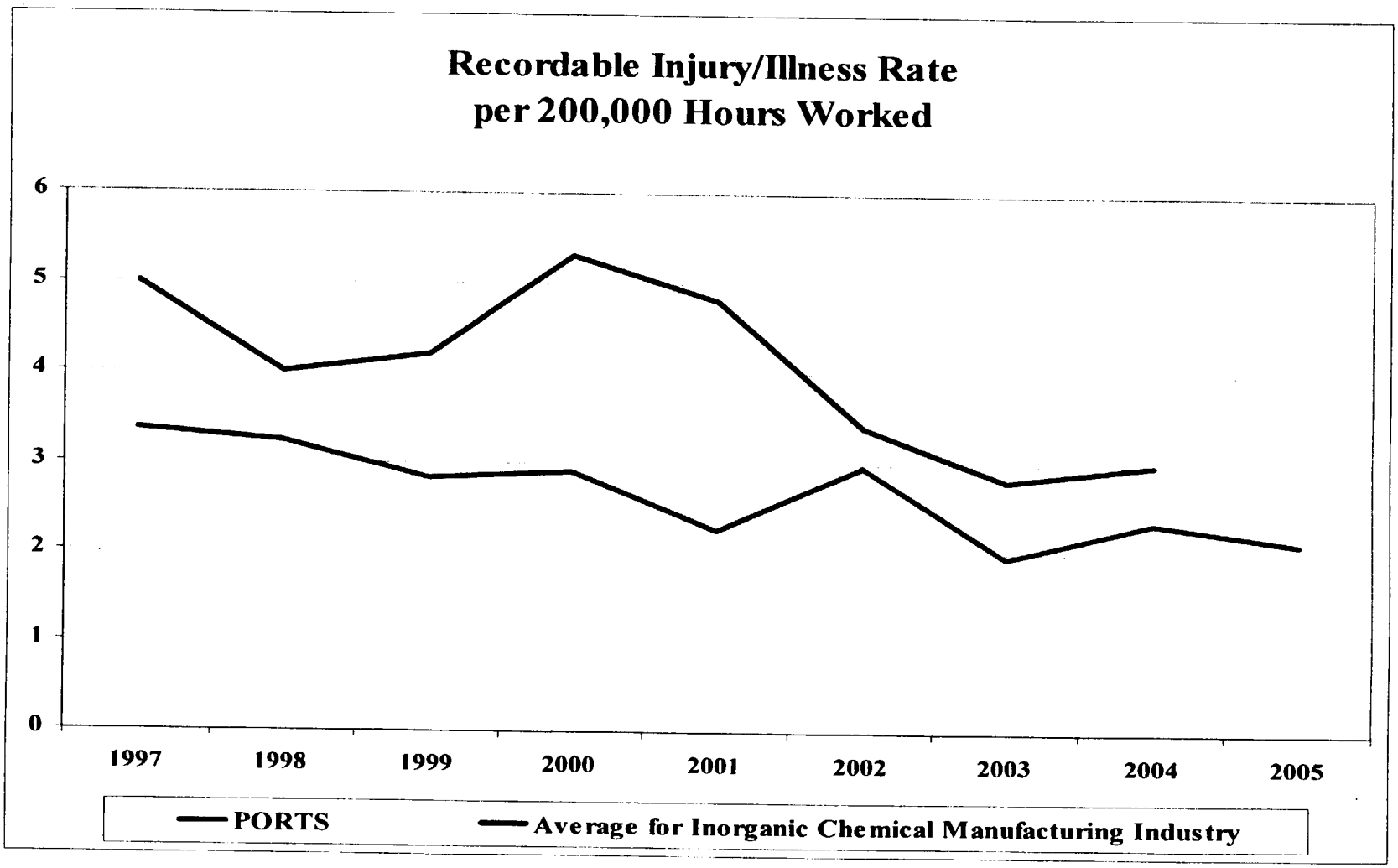
Safety Operations



Safety Operations

- Focused on worker integration and ownership of workplace safety programs
- Recognized for outstanding workplace safety by the Ross County Safety Council
- Continue efforts to drive injury rates down even though employee Recordable Illness & Injury rate remains better than industry averages

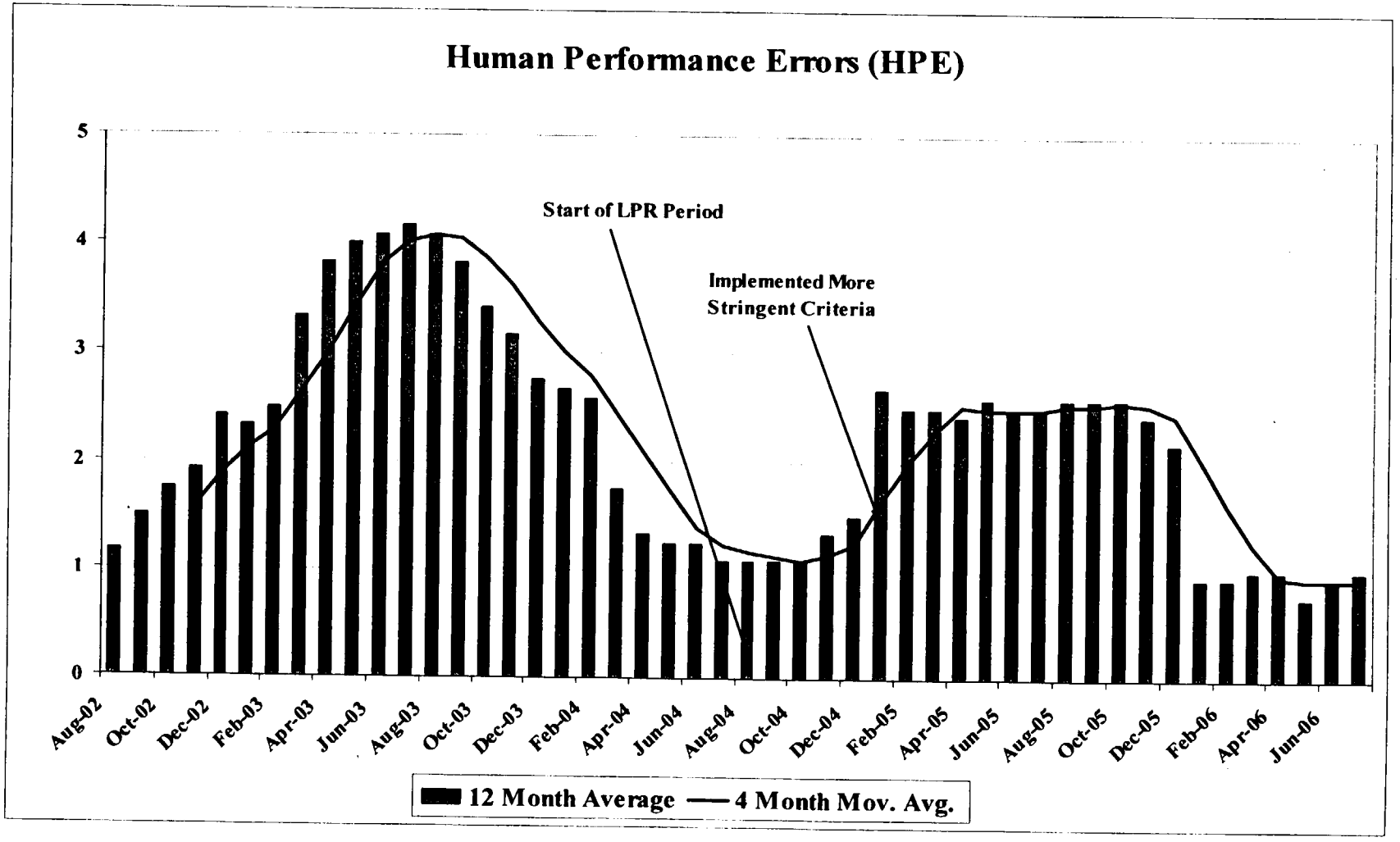
Safety Operations



Safety Operations

- Human performance errors continue to decrease
  - Annual average decreased from a high of over four per month in August 2003 to one per month in August 2006
- Efforts to continue this trend include:
  - Monitoring of near miss and pre-cursor events
  - Increased focus on procedure adherence
  - Proactive responses to leading indicators

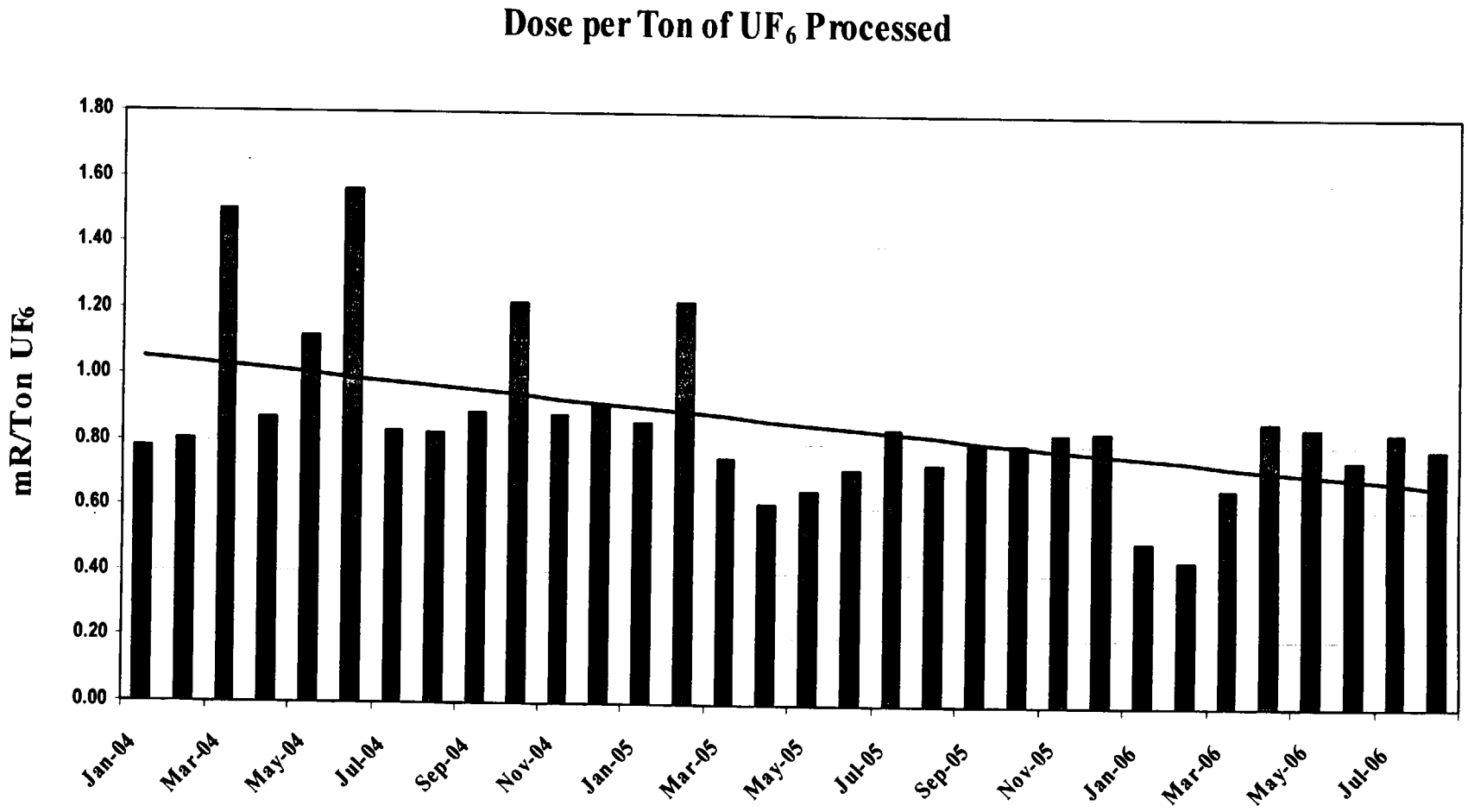
Safety Operations



Radiological Controls

- Continuous Improvement in ALARA Program
  - Continually evaluating changing work assignments and frequency of tasks performed in radiological areas to minimize employee exposure
  - Advancements in shielding
  - Remote monitoring capabilities
- Continue to increase emphasis placed on Self Evaluation
  - Management by Walking Around
  - Procedural Adherence surveillances
  - Boundary Inspections
  - Organizational Self-Assessments

Radiological Controls



Facility Support

- Conducted successful biennial Emergency Response Organization exercise that included:
  - 7 local fire department and emergency response organizations
  - 5 local Emergency Medical Service Squads
  - 2 local law enforcement agencies
  - 1 local hospital
  - 2 state agencies and 1 federal regulatory agency
  - Approximately 600 participants in the NRC graded exercise
- Resulted in no negative observations from the NRC

Facility Support

- **Community Interaction**
  - **Contributed equipment, financial, and technical support for establishment of the Pike County Hazardous Material Response Team**
  - **Provided mutual aid assistance – 3 recent requests for emergency assistance**
  - **Continue to maintain Mutual Aid Agreements with Pike County Fire Fighters Association, Pike County Sheriff, area hospitals, Emergency Medical Services, and schools**
  - **Continue to foster ongoing interface with local fire departments**

Future Operations

- Plant mission will remain similar to mission during 2004-2006 evaluation period
  - Cold Standby transitioning to Cold Shutdown
  - Liquid UF_6 handling operations will continue
  - 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
  - Improvements in Training
  - Continue to include worker integration and involvement in safety programs
  - Increased proactive response to pre-cursor events
- Continue efforts to maintain a strong Radiation Protection Program