



**NRC Performance Review of
Certified Activities**

Portsmouth Gaseous Diffusion Plant

**September 27, 2006
PUBLIC MEETING**

9/27/2006

Introduction

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Vice President, Operations

**USEC Perspective on
Performance**

**R. Wray Jordan
General Manager**

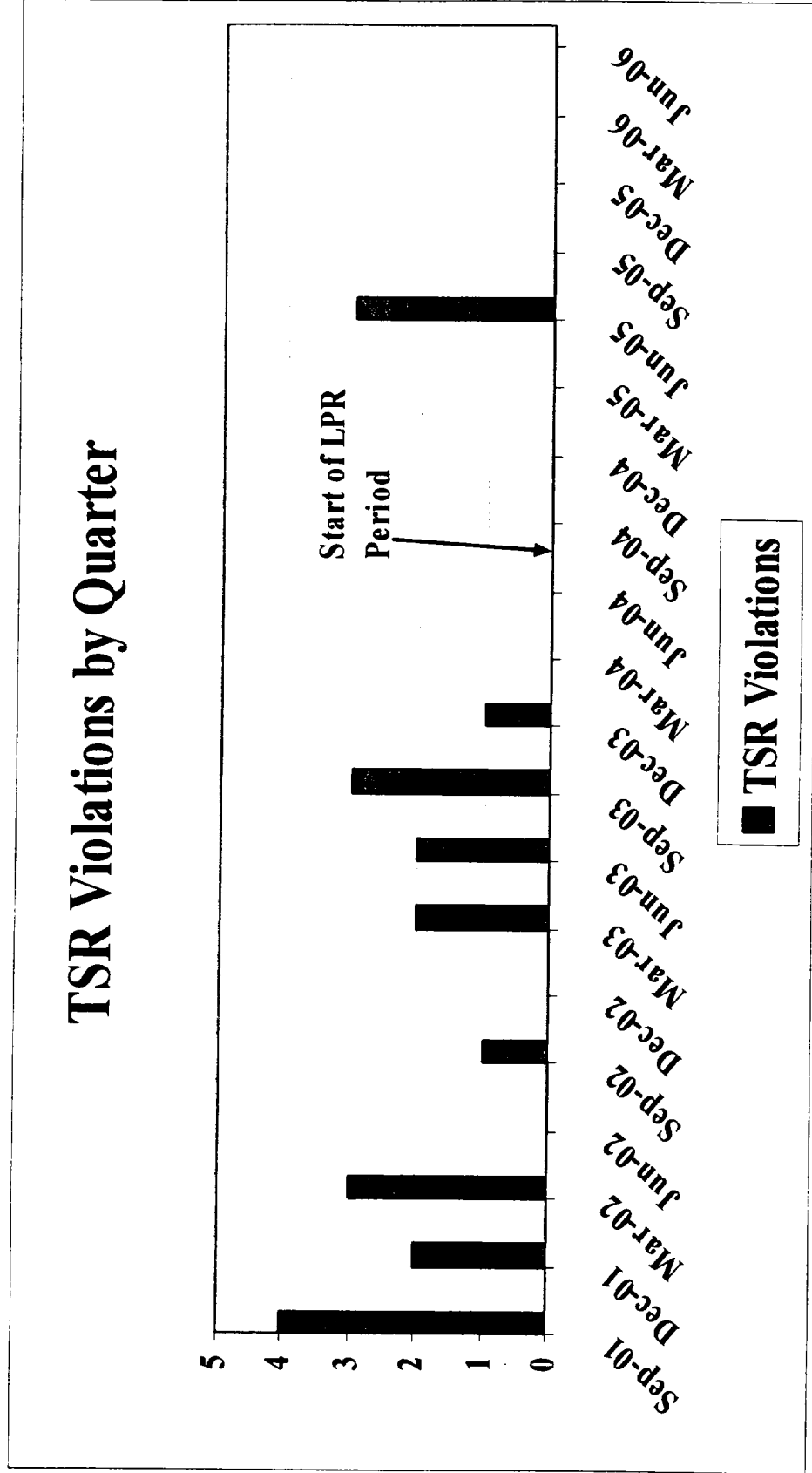
Overview of Performance

- **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

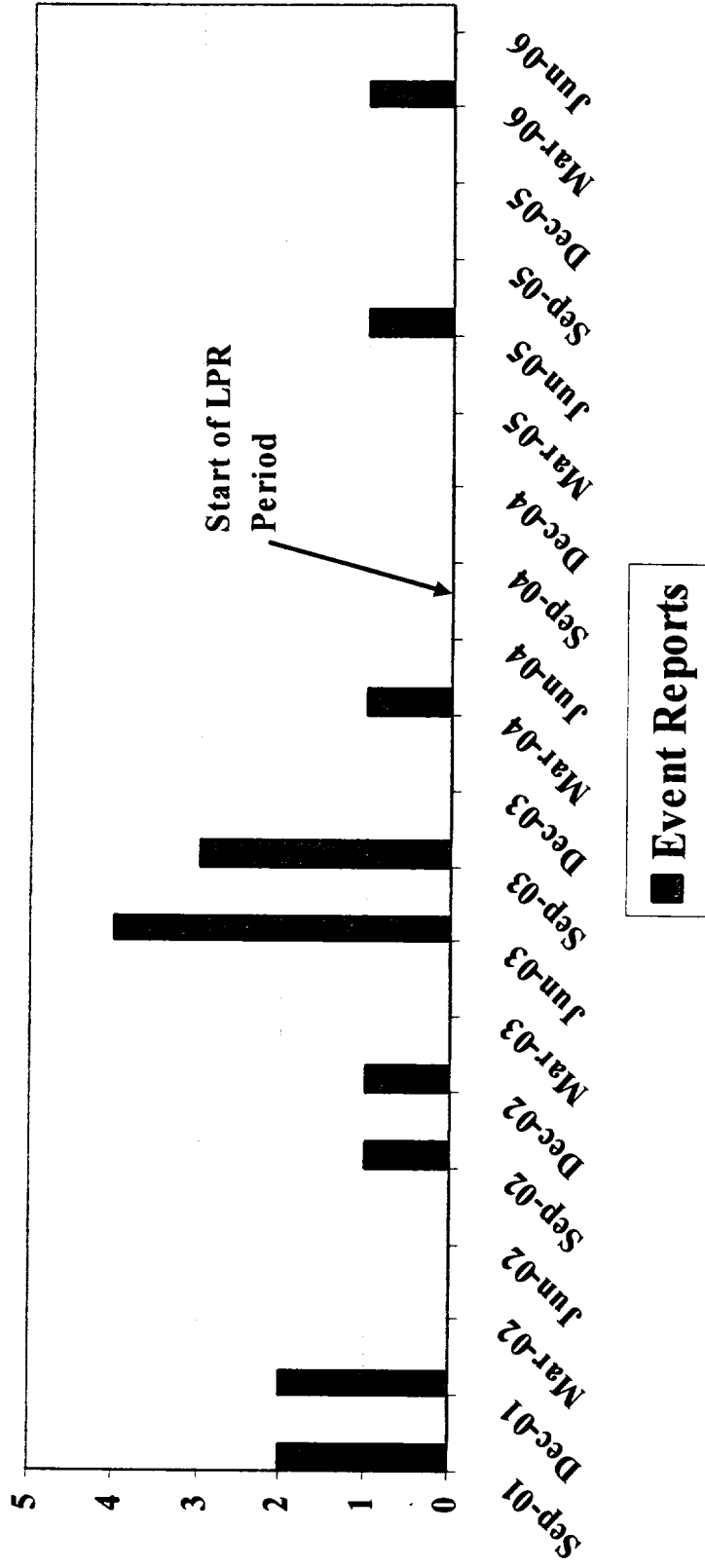
- **Nuclear Safety performance continues to be integrated into daily operations. Significant improvements continue to be seen in the following areas:**
 - **Technical Safety Requirements (TSR) Compliance: TSRs define the conditions, boundaries, and management or administrative controls to ensure safe 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



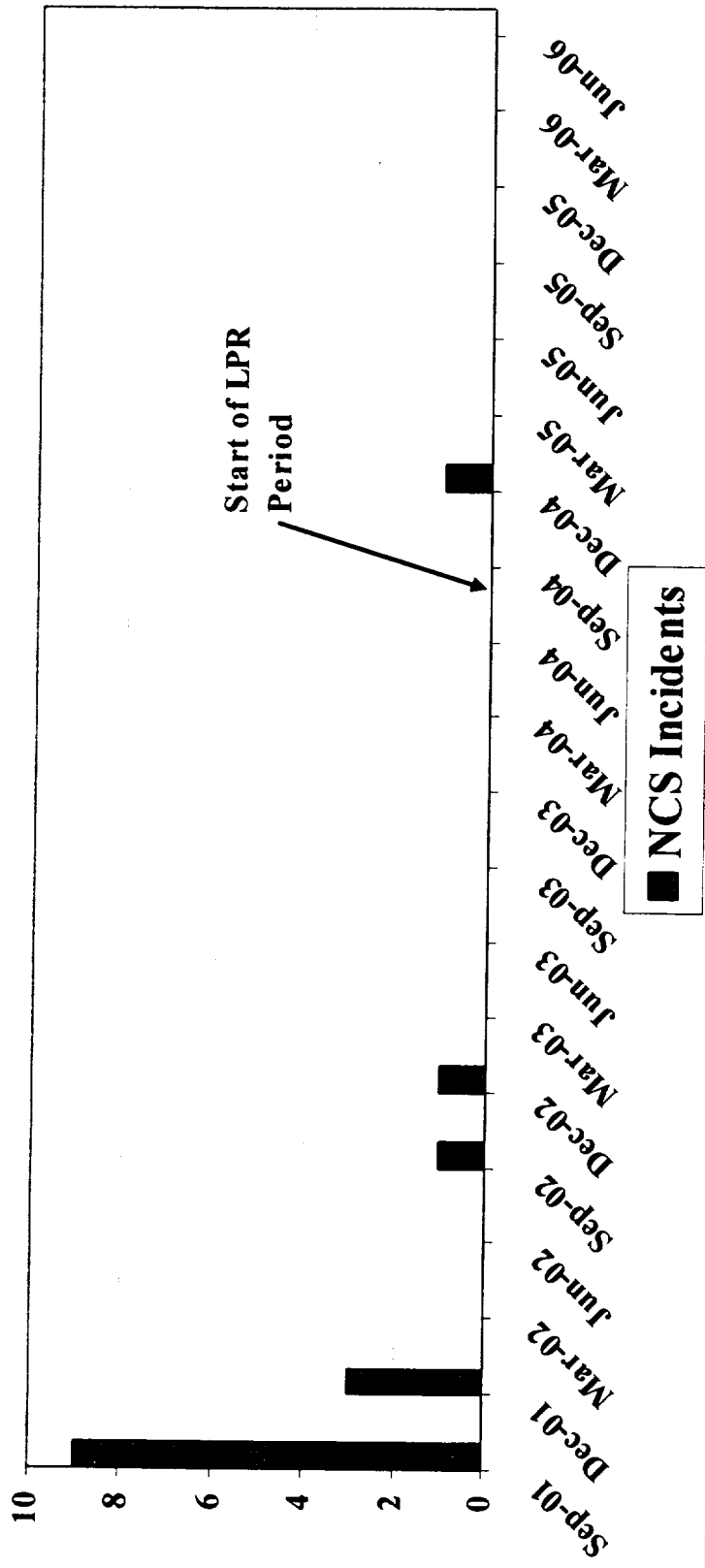
Safety Operations

Event Reports by Quarter



Safety Operations

NCS Incidents by Quarter

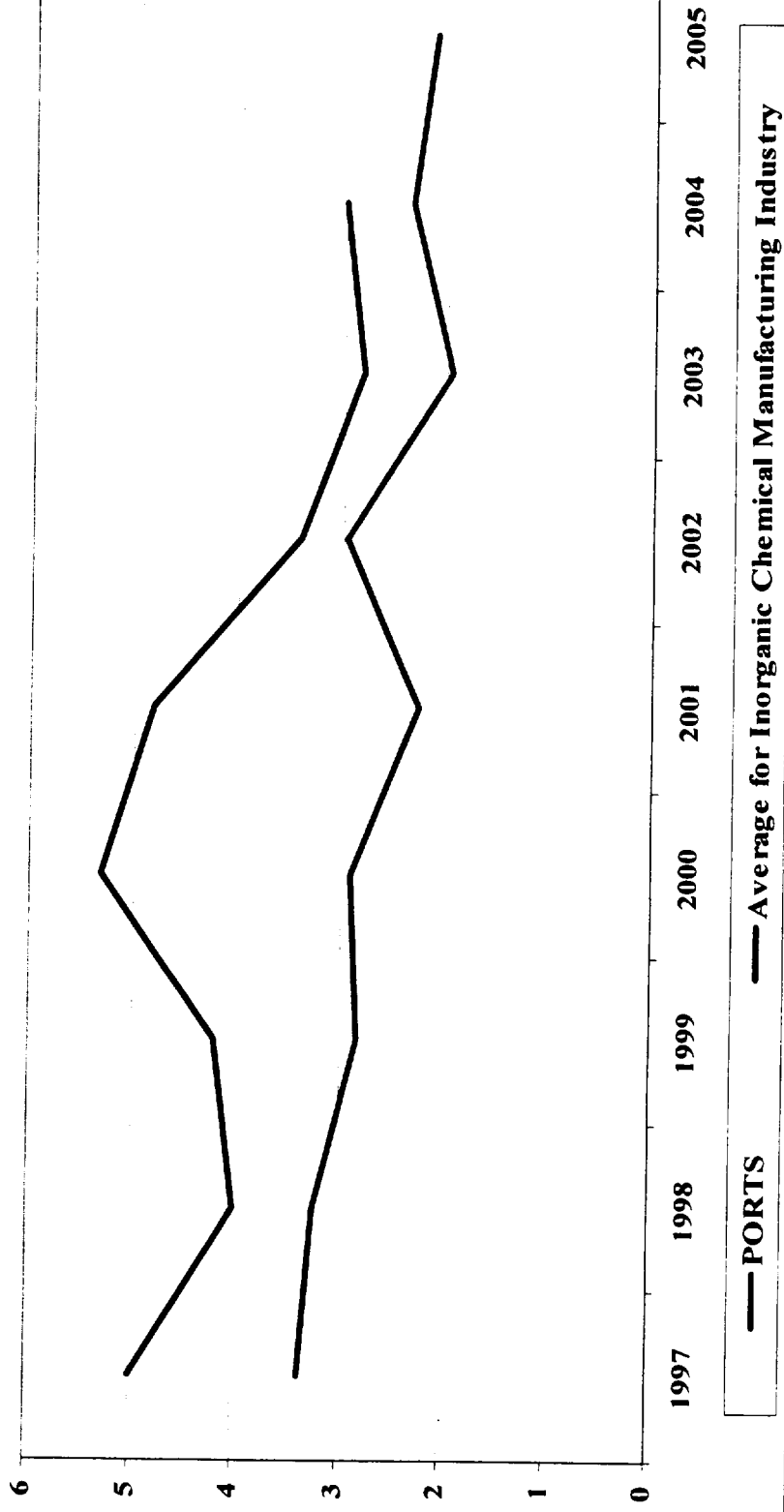


Safety Operations

- **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

Recordable Injury/Illness Rate
per 200,000 Hours Worked

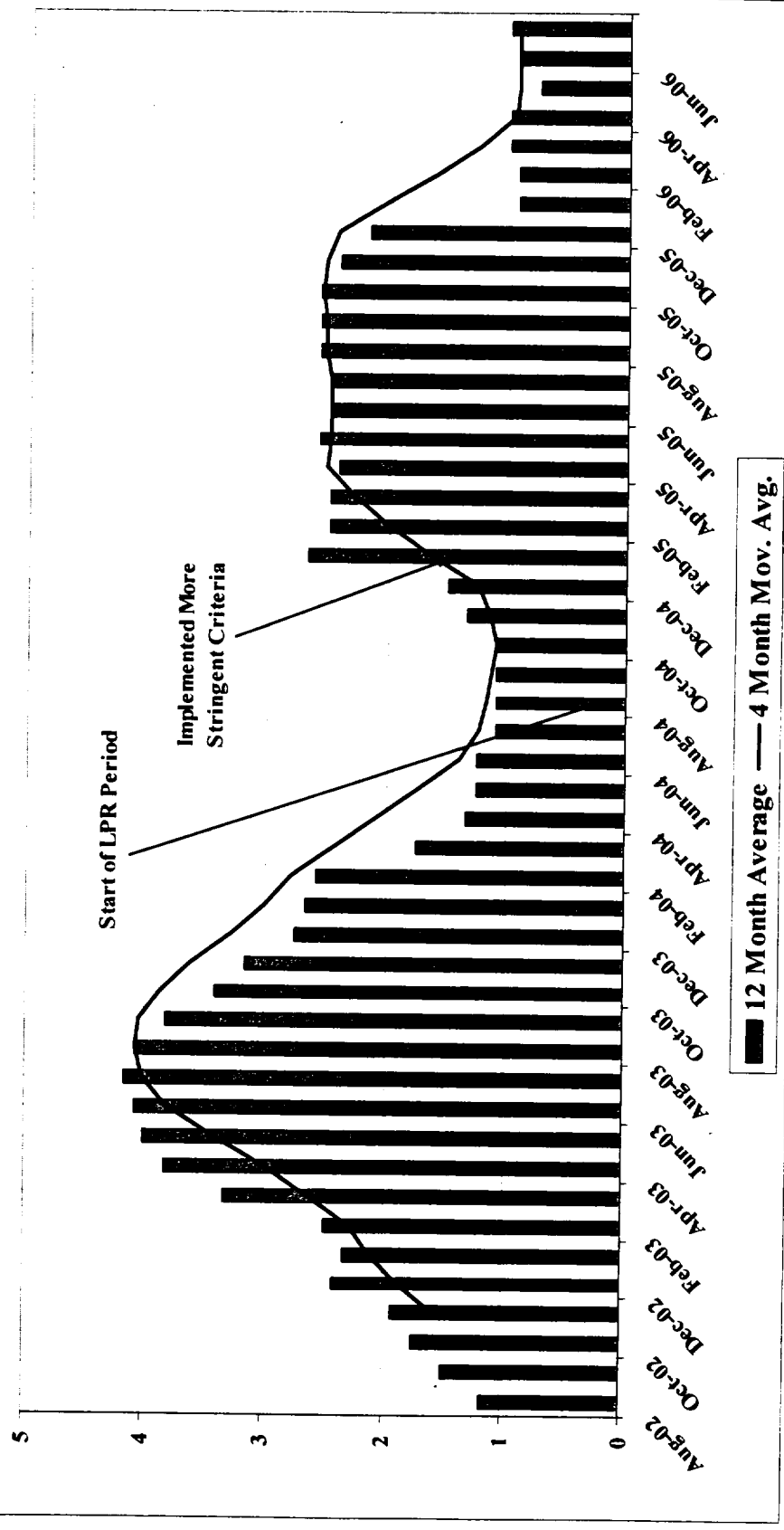


Safety Operations

- **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

Human Performance Errors (HPE)

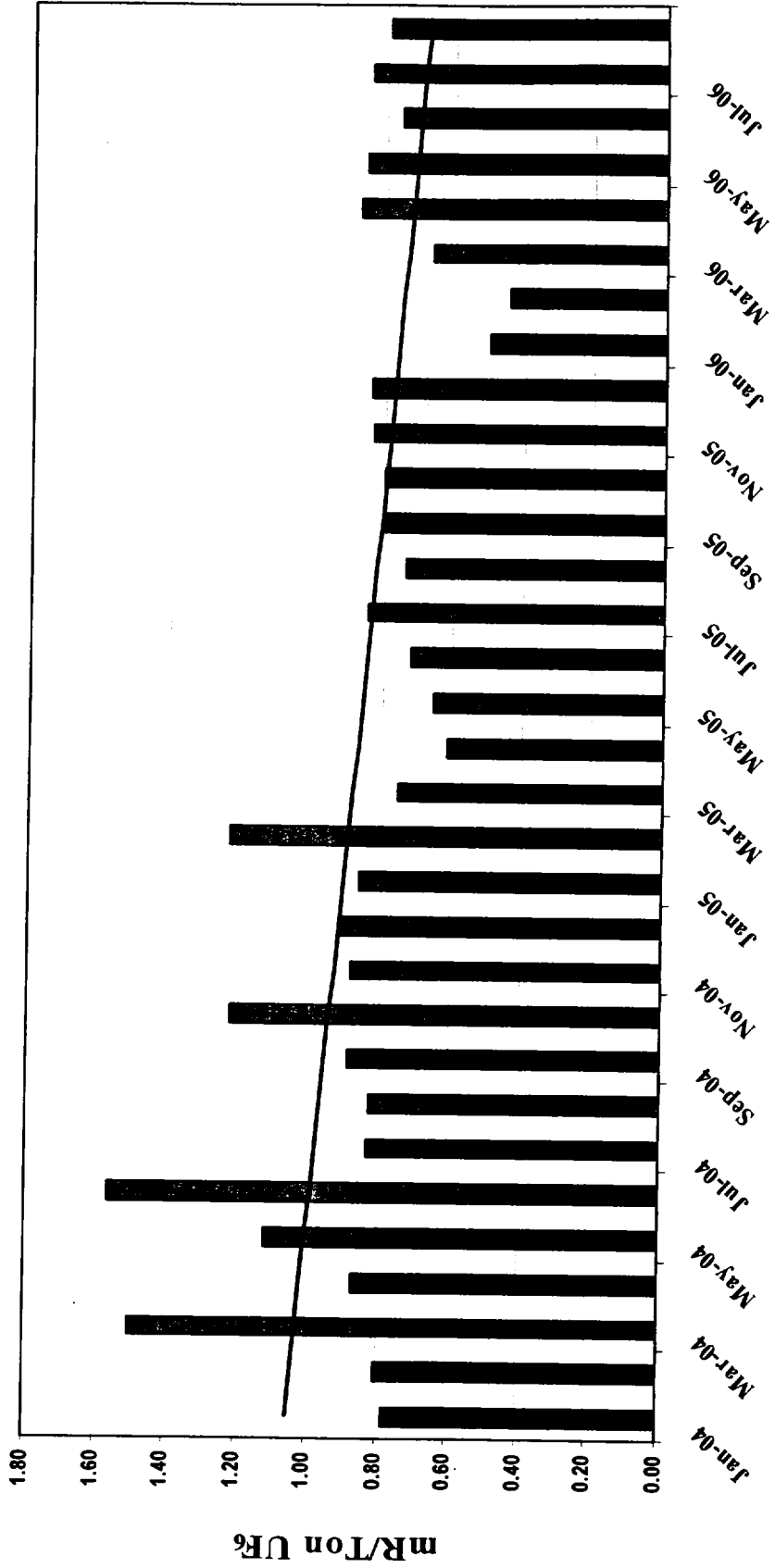


Radiological Controls

- **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

Dose per Ton of UF₆ Processed



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 UF₆ 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**