



# Business Success Through Safety Excellence



**Jeffrey D. Mousseau, P.E.**  
*President and General Manager*  
*Bechtel BWXT Idaho*





# Jeffrey Mousseau Bio

**Jeffrey D. Mousseau, P.E.**  
**President and General Manager**  
**Bechtel BWXT Idaho**  
**Advanced Mixed Waste Treatment Project**

Jeff is the President and General Manager of the Advanced Mixed Waste Treatment Project, managed and operated for the U.S. Department of Energy by an affiliate of Bechtel National, Inc. Located at the Department's Idaho site, the Advanced Mixed Waste Treatment Project (AMWTP) mission is to safely and compliantly retrieve and treat some 65,000 cubic meters of legacy plutonium contaminated mixed waste and safely ship it out of Idaho. The majority of waste will be shipped to the Waste Isolation Pilot Plant in Carlsbad New Mexico for disposal.

Prior to this assignment Mr. Mousseau served as Vice President and Plant Manager of AMWTP. In this capacity, he consistently and successfully worked with DOE's Idaho Operations and Carlsbad Field Offices to facilitate difficult compliance requirements and shipping schedules. His leadership was also instrumental in AMWTP obtaining DOE's Integrated Safety Management System validation which has helped AMWTP to compile one of the DOE's best safety records.

Mr. Mousseau's background includes 20 years of progressive responsibilities at the Idaho National Laboratory. In total, he has more than 28 years experience working and managing environmental cleanup and plant operations including compliant disposition of radioactive and hazardous waste for both commercial and federal customers.

An engineering graduate of the University of Idaho, Mr. Mousseau is licensed as a professional engineer in mechanical engineering in the state of Idaho. For the past two years he has served on the Leadership Board of the State of Idaho Board of Directors of the American Red Cross, and recently served as co-Chair of the United Way of Idaho Falls and Bonneville County. Mr. Mousseau is also on the Board of Directors of the YMCA of Idaho Falls.





# Challenge

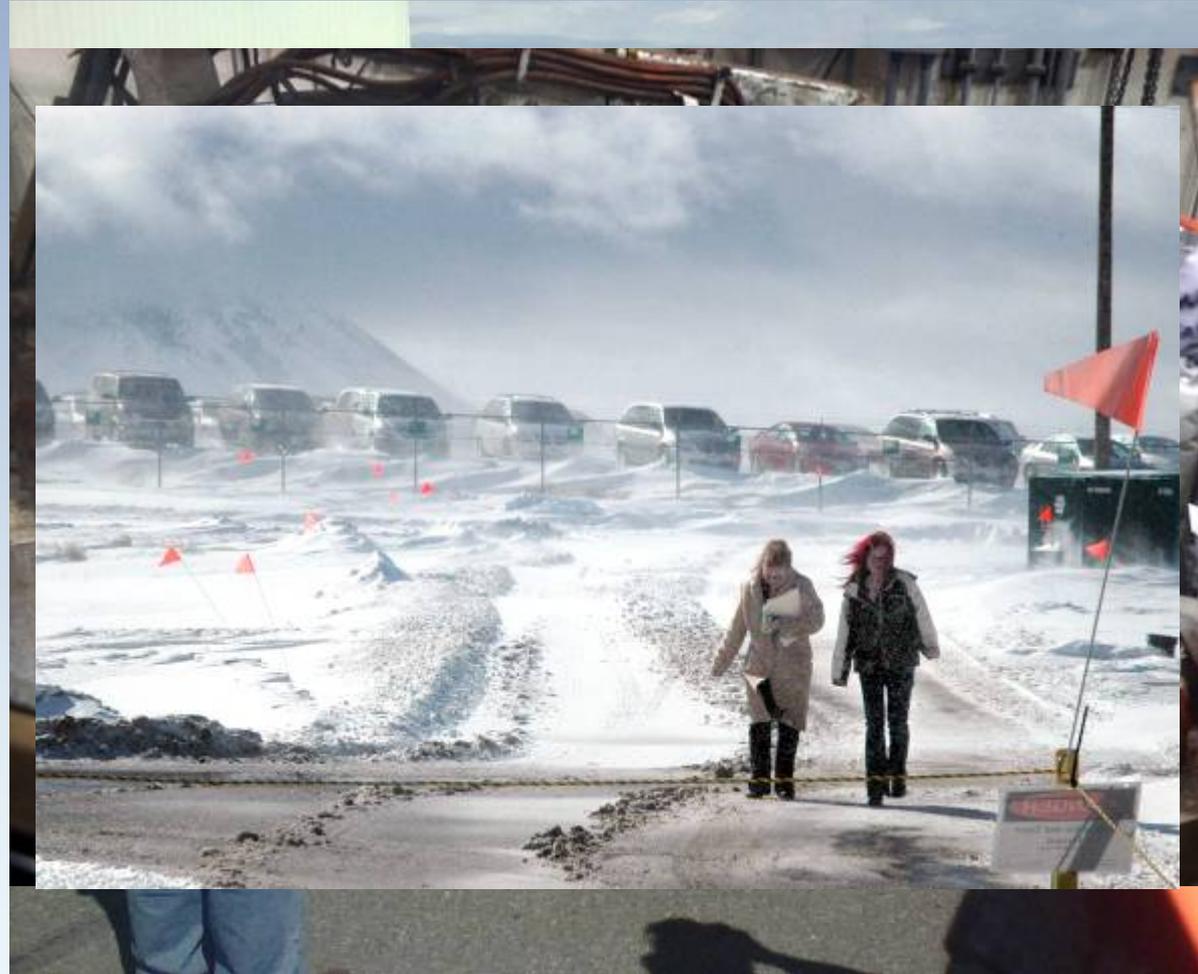
**Bechtel BWXT Idaho is committed to safely, compliantly, and efficiently managing and operating the Advanced Mixed Waste Treatment Project to retrieve, characterize, process, package and ship 65,000 cubic meters of historically managed stored transuranic nuclear waste for shipment to permanent disposal sites outside of Idaho and also support the receipt and treatment of transuranic waste from other DOE sites for shipment to the Waste Isolation Pilot Plant.**



# Hazardous Work

*Radiological, chemical, physical, environmental, and other*

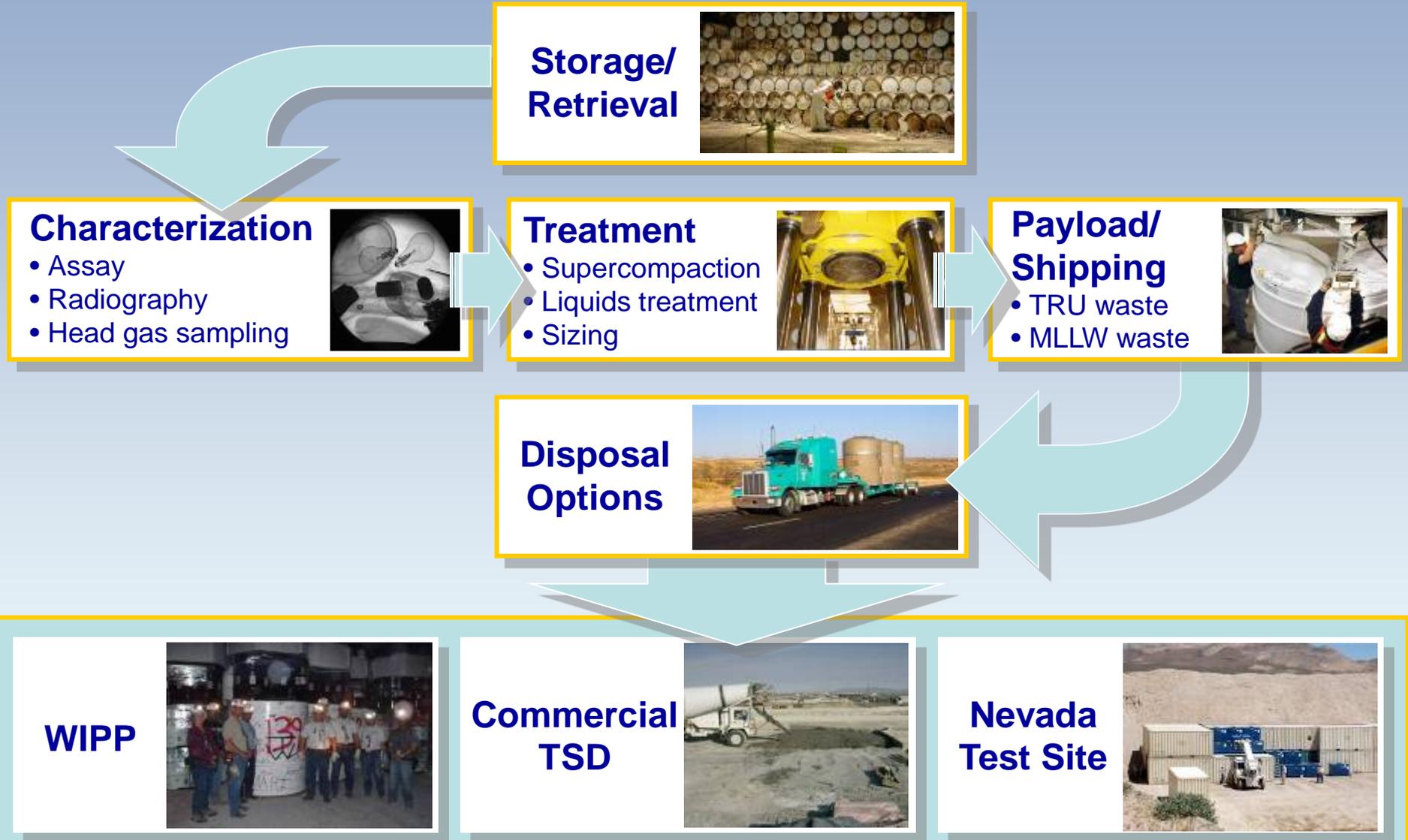
- Physical hazards
- Organic, inorganic, PCB, Be
- Radiological contamination
- Environmental hazards
- Unexpected hazards





# AMWTP Process Flow

65,000 m<sup>3</sup> Transuranic Waste Inventory





# AMWTP Aerial





# Customer Expectations

- Customer Safety Expectations
  - Must provide a safe and secure work environment
  - Must remain the top priority and never be compromised by other priorities
  - Must maintain the highest safety standards
  - Must be integrated into all work
  - Must have an unwavering commitment to the protection of workers and zero accidents/incidents
  - Must establish a safe workplace culture
- CPOF, DEAR 970.5215-3
  - Payment of fee dependent upon, "...worker safety and health, including performance under an approved Integrated Safety Management System..."
  - If contractor does not meet...ES&H...fee may be unilaterally reduced by the contracting officer
  - Up to 100 percent of earned fee may be lost

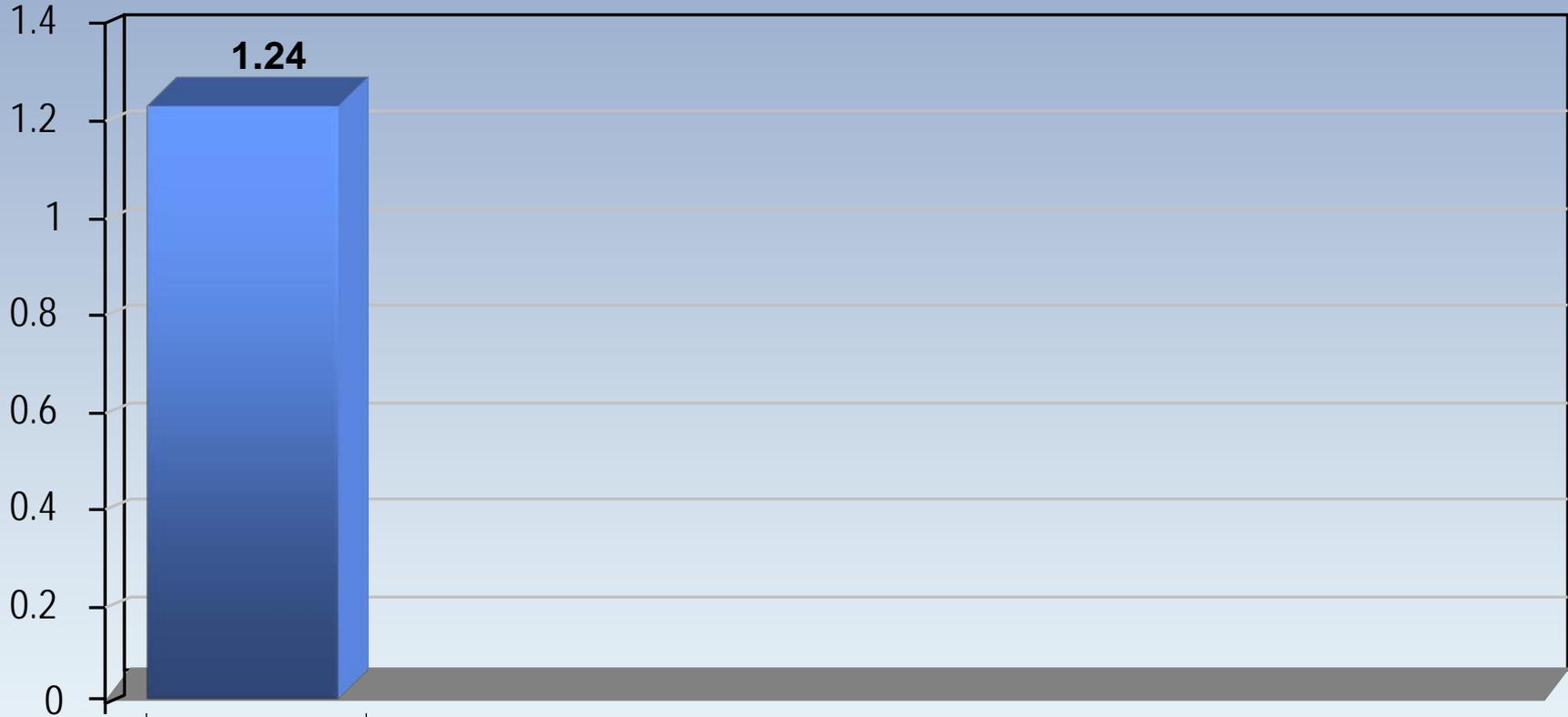


# Safety Performance Affects Bottom Line

- Contractor Performance Assessment Report
  - Worker safety and health key consideration
  - Completed report cards used for source selection
  - Poor report card = reduced opportunities
- Bechtel BWXT Idaho fee earned based on production performance
  - Performance is safety based
  - Poor safety performance = lower production performance = production delays

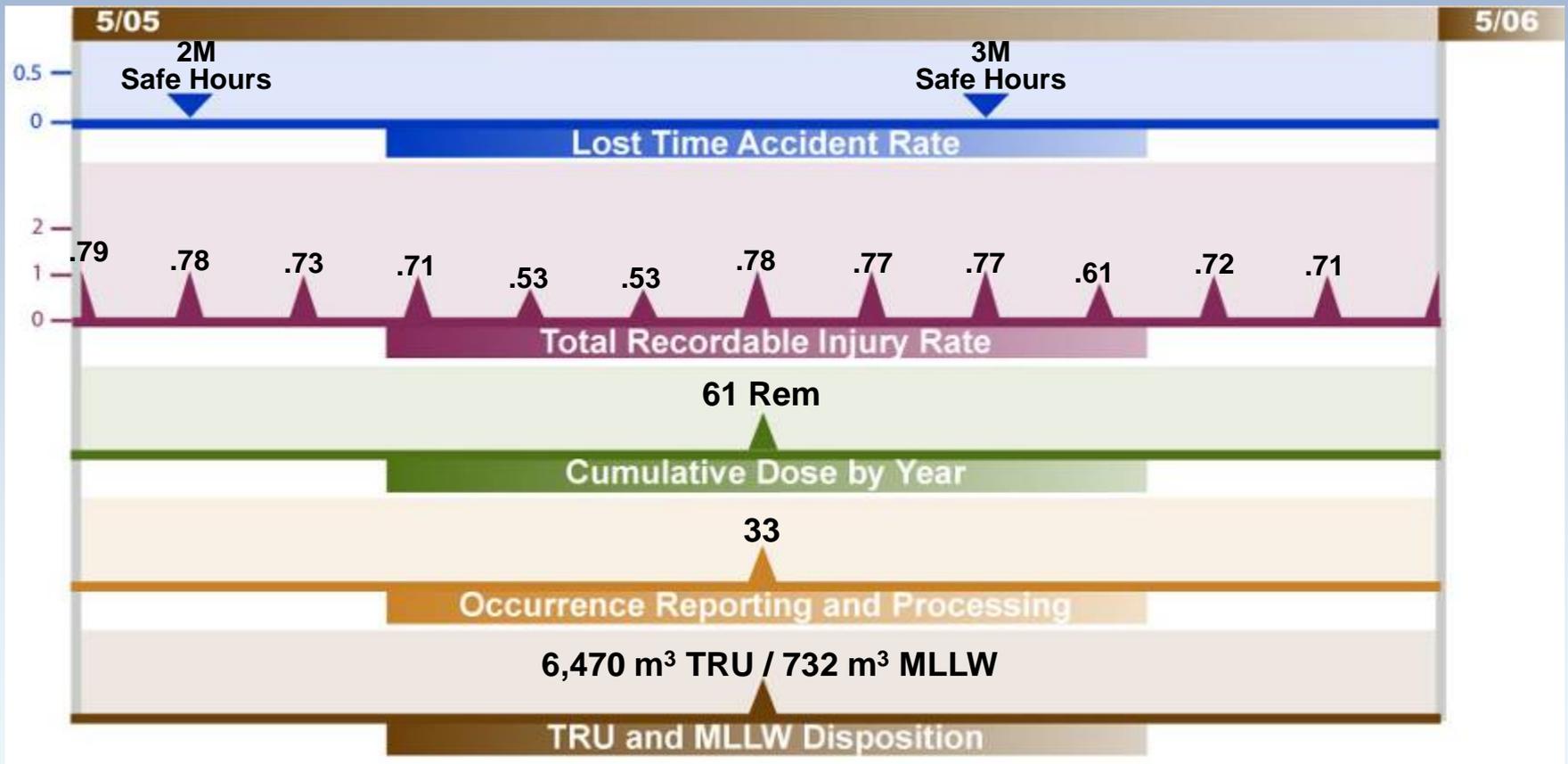


# Financial Results



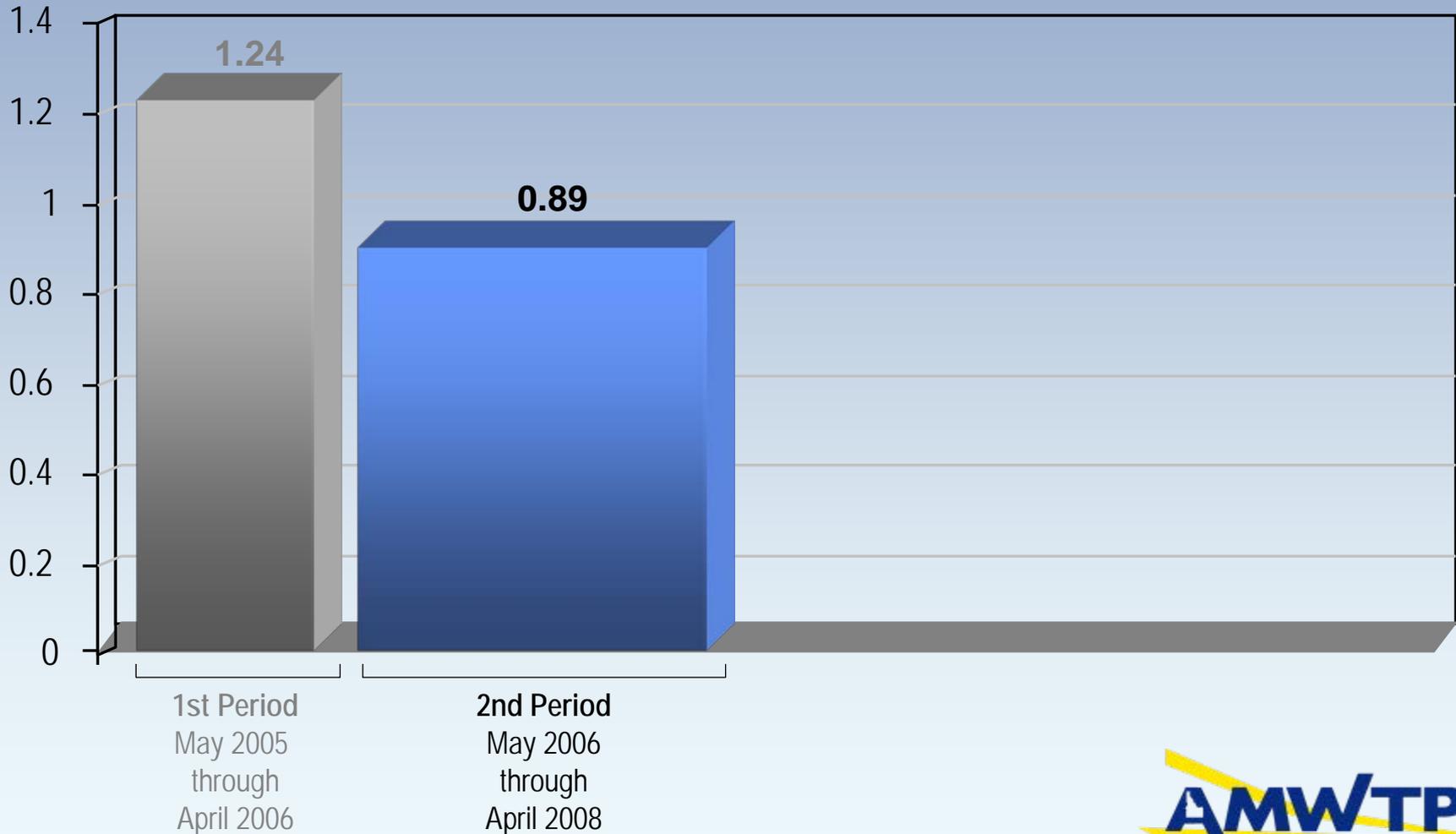
1st Period  
May 2005  
through  
April 2006

- **Developed and Implemented a Safety Plan for this goal to begin** September 2005
- **Implemented the RA Committee work order system based** May 2005
- **Set up Safety Decision Matrix with the Employee Safety** February 2005
- **Developed the AWTBTP Core Area Participation** December 2005
- **Implemented a new system to improve AXMIO significantly** February 2006  
enhancing integration and data recording capabilities



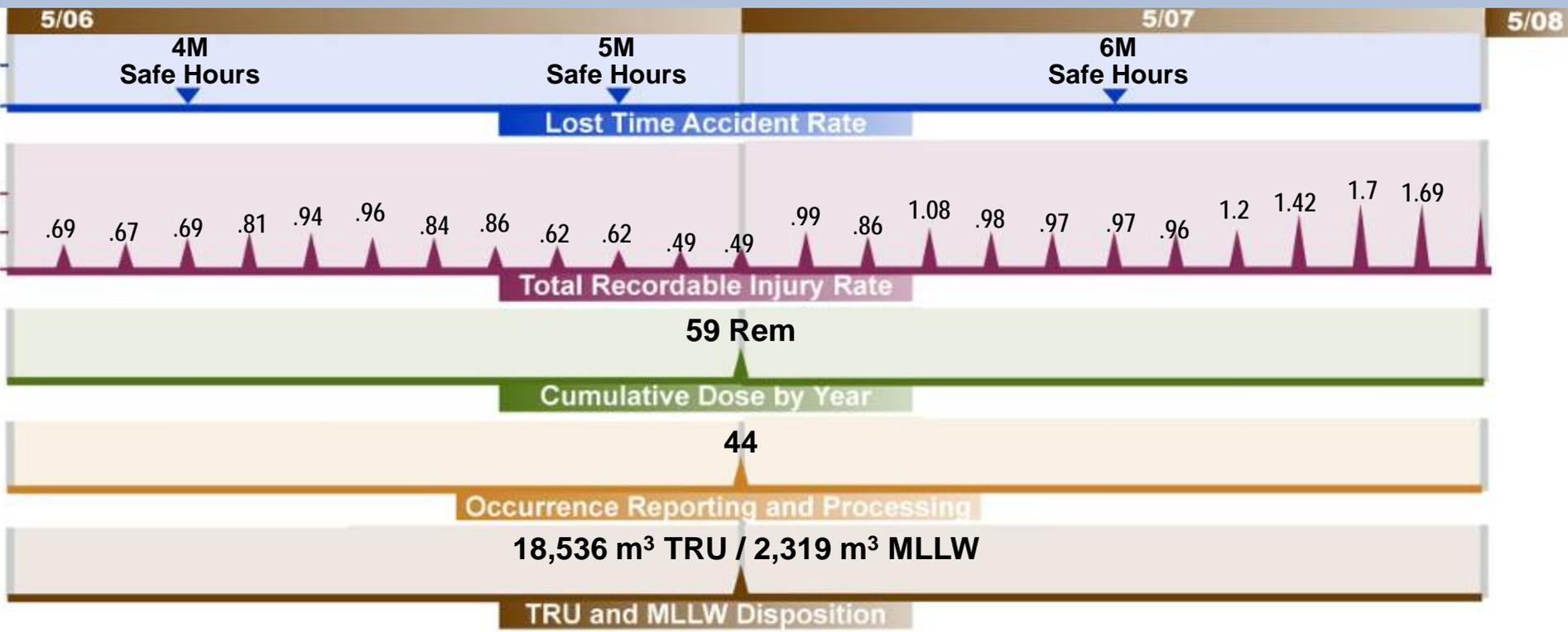


# Financial Results



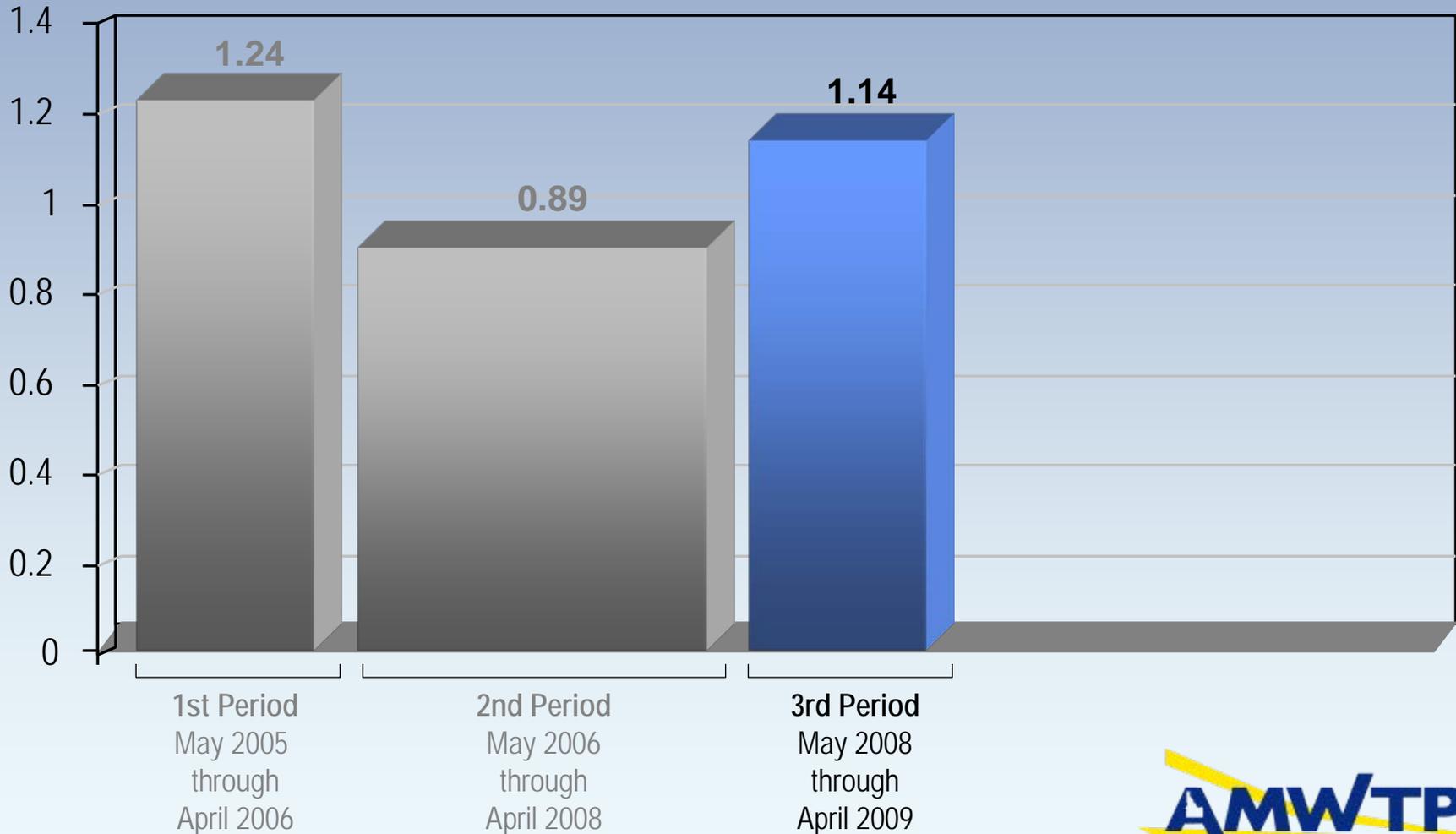
- Began implementation of DOE orders in List B requirements
  - Began ISMS implementation
  - Implemented Keys Behavior-based Safety Program
  - Implemented enhanced safety engineering
  - Safety leadership training initiated
  - ISMS Phase II implementation approved by DOE-ID
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September 2006  
 May 2006  
 April 2007  
 May 2008  
 May 2008  
 October 2007

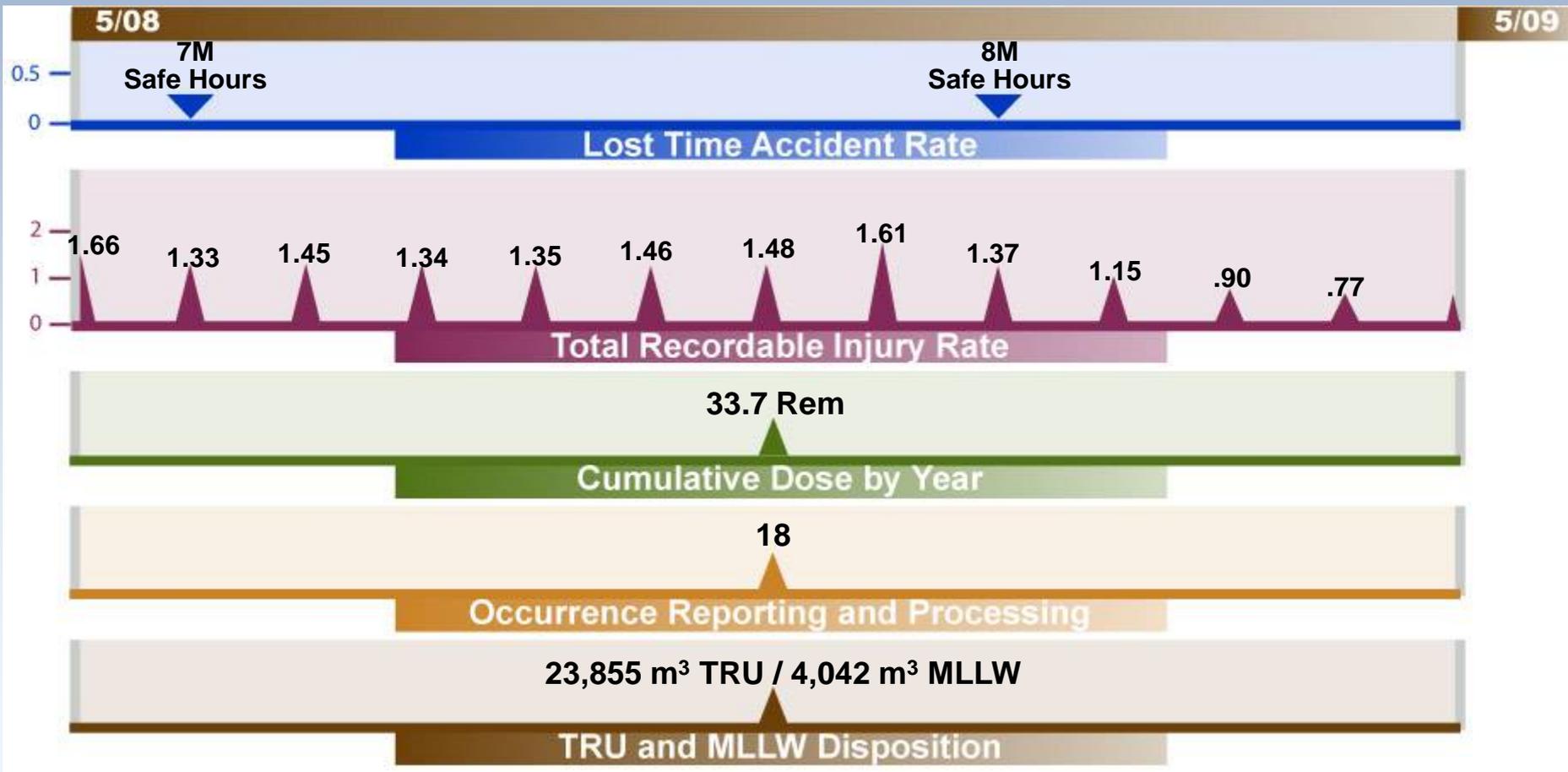




# Financial Results

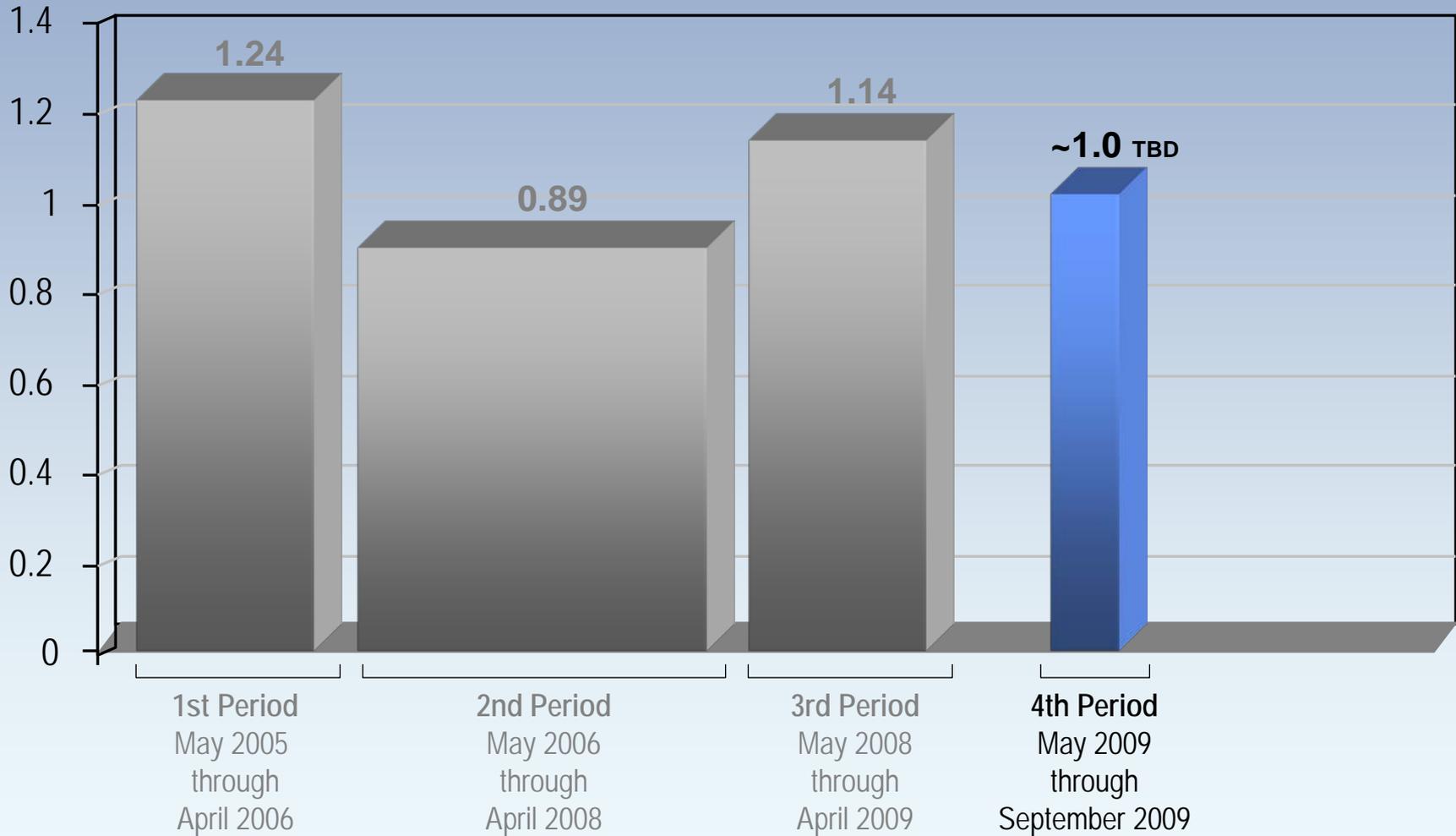


- Key Safety Initiatives for Safety period Dec 07 - 2008
- Safety improvements in low-hazard activities November 2008
- Employee safety video safety plan finalized December 2008
- Employees on-shift HPI mentors March 2009
- Employee safety video judging completed May 2009

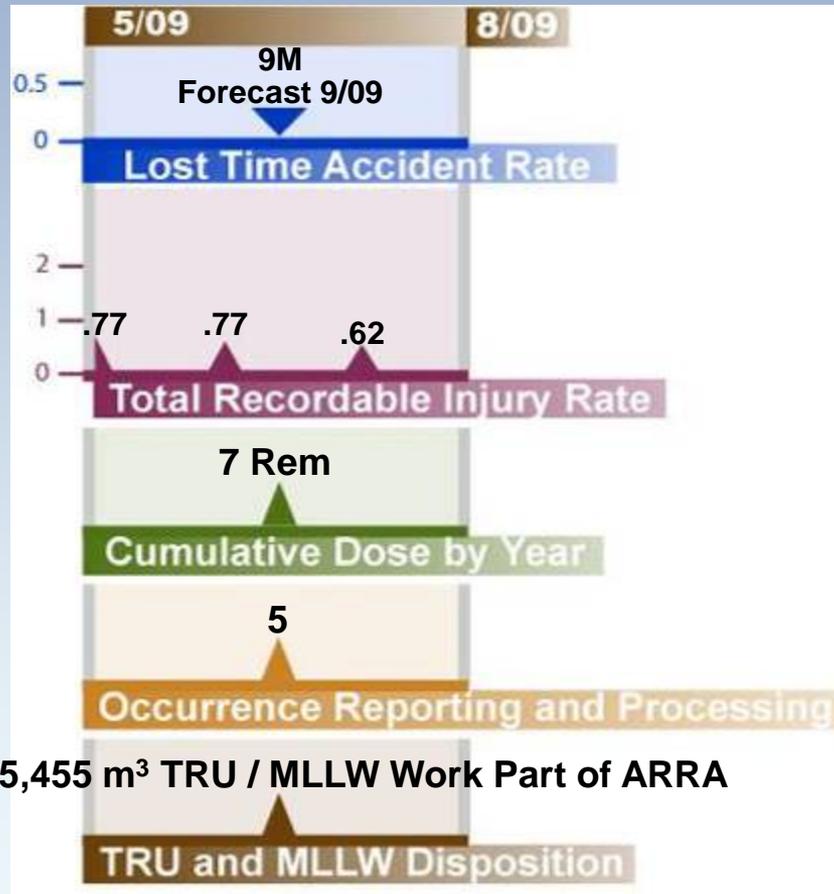




# Financial Results

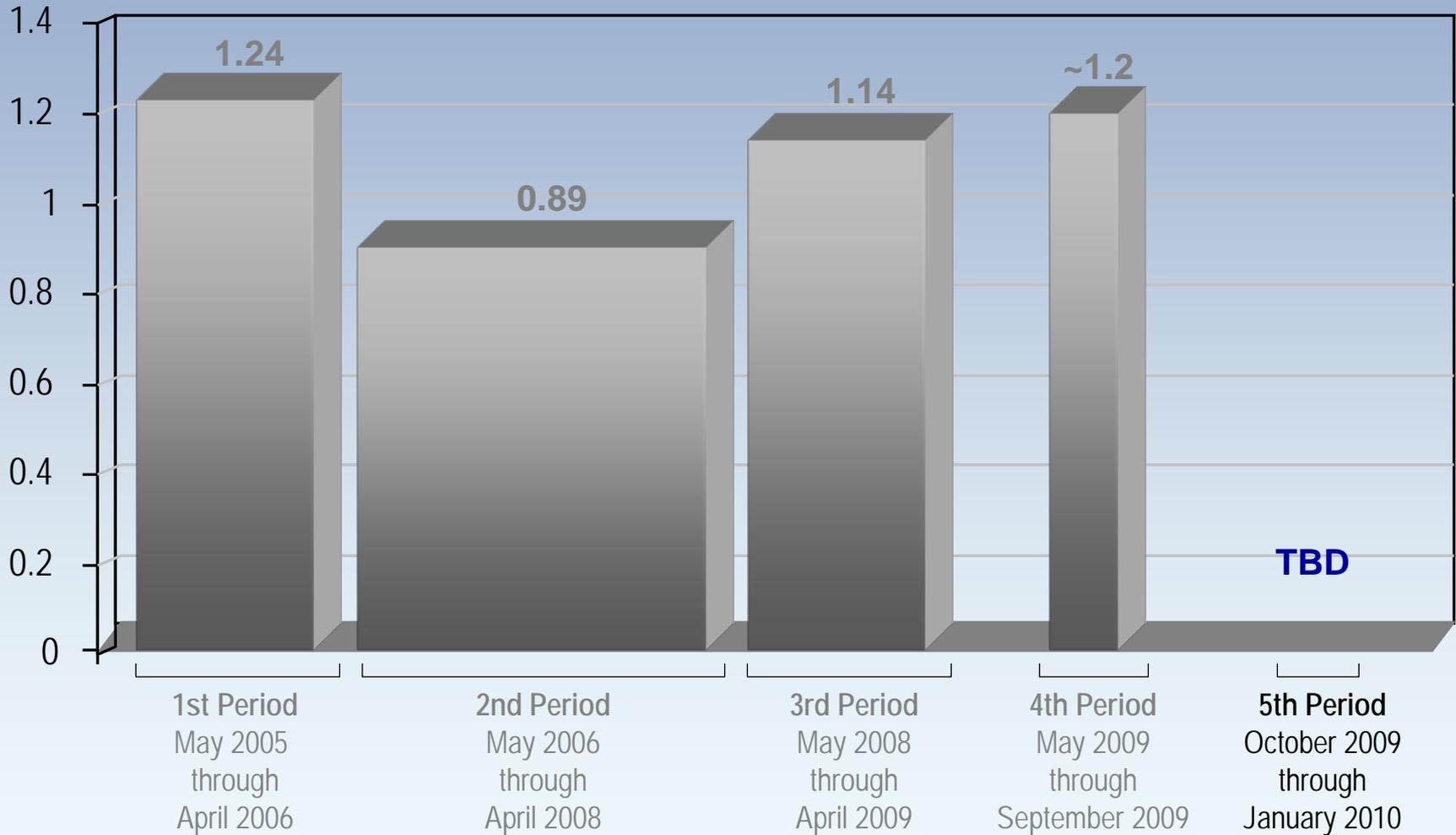


- Total Recordable Cause Rate for the contract period was 0 with July 2009
- VAP Safety (current reporting rate from August 2008 through July 2009)
- App 2009 (0.62 with 5 cases) without Anticipate September 2009 lost time accident





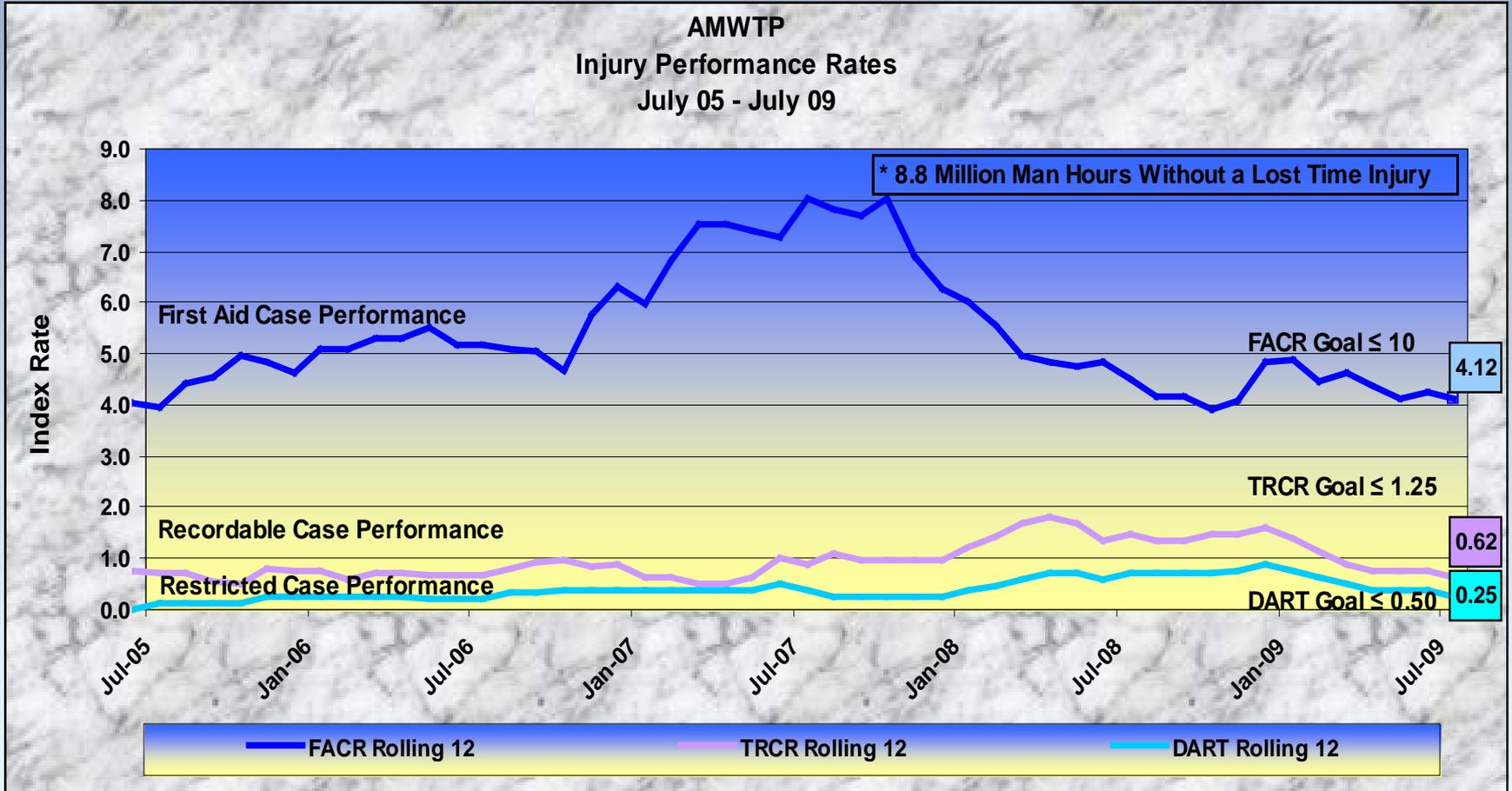
# Financial Results





# Safety Excellence

8.8 million hours without a lost time accident





# Active Employee Participation

- Active and engaged workforce
- KEYS – Keep everyone and yourself safe
- Employee communications
- Integrated ISM





# Celebrating Working Safely

*Recognizing Human Performance excellence*

Safety is an inherent part of our culture, which we celebrate throughout the year:

- Baseball nights
- Breakfast at the plant
- Ice cream celebrations
- Celebrating VPP





# The Bottom Line, Safety Pays



AMWTP employees gather to raise the VPP Star site flag on Tuesday, July 28, 2009

*“All of us, together, are united in continuing to make the AMWTP the safest worksite possible, by actively caring for the safety of each other.”*