

PACIFIC NORTHWEST NATIONAL LABORATORY

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What is in a Safety Plan/Program?



Presented by Sharon Dossett, PNNL Safety and Health
Division Manager, CHP, CSP

Example of ineffective safety program



Why?

- ▶ On average, two people lose their lives every week
- ▶ Yearly, more than 250,000 workers' compensation claims
- ▶ Medical care and wage replacement for injured workers costs more than a billion dollars
- ▶ Indirect costs are even larger
 - lost quality of life,
 - personal financial ruin,
 - operating costs of business, and
 - decreased profitability
- ▶ Effective safety programs
 - save lives,
 - reduce injuries and
 - result in cost savings



Basic Components of Safety Program



Voluntary Protection Program
Pacific Northwest National Laboratory

- ▶ Management leadership
- ▶ Employee involvement
- ▶ Worksite analysis
- ▶ Hazard prevention and control
- ▶ Safety and health training

<http://vpp.pnl.gov/default.asp>

<http://www.osha.gov/>

Basic Components of Safety Program

▶ *Occupational Health and Safety Management Systems* ANZI/AIHA Z-10-2005

- Management leadership
- Employee participation
- Planning
- Implementation
- Evaluation
- Corrective action
- Management review

*Continuous improvement is critical in
any safety program*

Regulatory Requirements

- ▶ Washington is an agreement state
 - Laws must be at least as protective as OSHA
 - Generally, the Washington regs are equivalent to OSHA regs
- ▶ Washington Administrative Code and RCWs are means by which safety requirements are promulgated in the State of Washington

Tools to help with meeting regulatory requirements

- ▶ The Washington State Department of Labor and Industries
<http://www.lni.wa.gov/Safety/Basics/Programs/default.asp>
- ▶ Small Business Basics
<http://www.lni.wa.gov/safety/basics/smallbusiness/default.asp>

State Core Rules

- ▶ Accident Prevention Program
- ▶ Personal Protective Equipment
- ▶ First-Aid
- ▶ Hazard Communication Program
- ▶ Relationship to fire, building and electrical codes
 - Basic requirements for portable fire extinguishers, exit routes, housekeeping, storage, stairs and electrical hazards
 - Additionally, you are encouraged to call your local fire, building or electrical authority for specific code requirements.

State Consultants

- ▶ WISHA safety and health consultation is free and confidential
- ▶ Safety and health professionals examine your workplace and make recommendations
- ▶ WISHA offers a wide variety of free services:
 - Safety and health workshops held in locations throughout the state.
 - A comprehensive safety and health video lending library.
 - Safety and health publications geared for both employer and employee.
 - Website with online publications and learning opportunities.
- ▶ By law, WISHA consultants do not have any enforcement authority.

For more information, call 1-800-4PE S/ FR (1-800-423-7233) or visit

<http://www.lni.wa.gov/Safety/default.asp>



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Other Local Consultants

- ▶ Dade Moeller – <http://www.moellerinc.com>
 - Full Service
- ▶ Energy Solutions – <http://www.energysolutions>
 - Full Service
- ▶ YAHS GS – <http://www.yahsgs.com>
- ▶ Complex Systems Solution - E-mail: joferguson@csswa.com
- ▶ id1, inc – <http://id1inc.com>
 - Industrial Hygiene focus
- ▶ Asbestos and Mold abatement – contacts are available on L&I website for companies such as Service Master

How does PNNL guarantee SB know, understand and comply with requirements?

- ▶ In addition to State and Code requirements PNNL must comply with DOE Worker Safety and Health Rule and all OSHA requirements
- ▶ Many Small Business contractors hired by PNNL are not prepared for this regulatory load
- ▶ PNNL provides a Contractor Environment Safety and Health Manual for use by all contractors hired by PNNL, large and small.



Contractor Environment Safety and Health Manual (CESH)

Developed to identify the minimum requirements for Contractors and Subcontractors performing industrial, construction, service, maintenance work in Battelle facilities

<http://www.pnl.gov/contracts/esh-procedures/cesh-manual-sp00d010.pdf>

**Battelle Contractor
Environment, Safety & Health
Manual**



PNNL Contractors

▶ Non-construction contractors

- Accept PNNL safety program as their own and have a PNNL host
- Provided with specific training for just the task being performed
- Permits and PPE may be developed and provided by PNNL

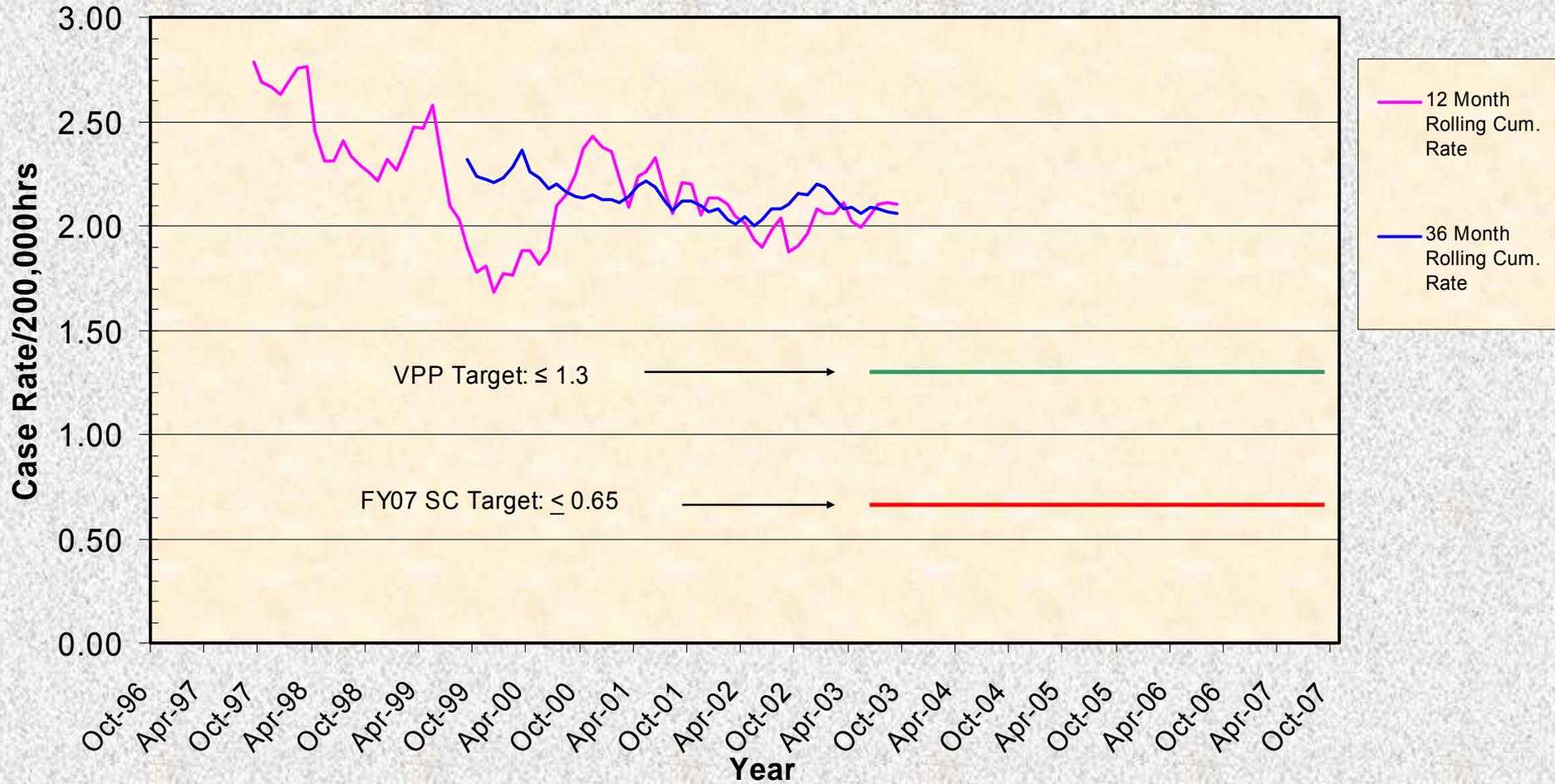
▶ Construction contractors

- Accept PNNL safety program as their own
- Provide their own training with exception of radiological or beryllium workers
- Provide their own permits and PPE, with PNNL review of permits and work plans
- PNNL safety walk-throughs of worksites on a daily basis

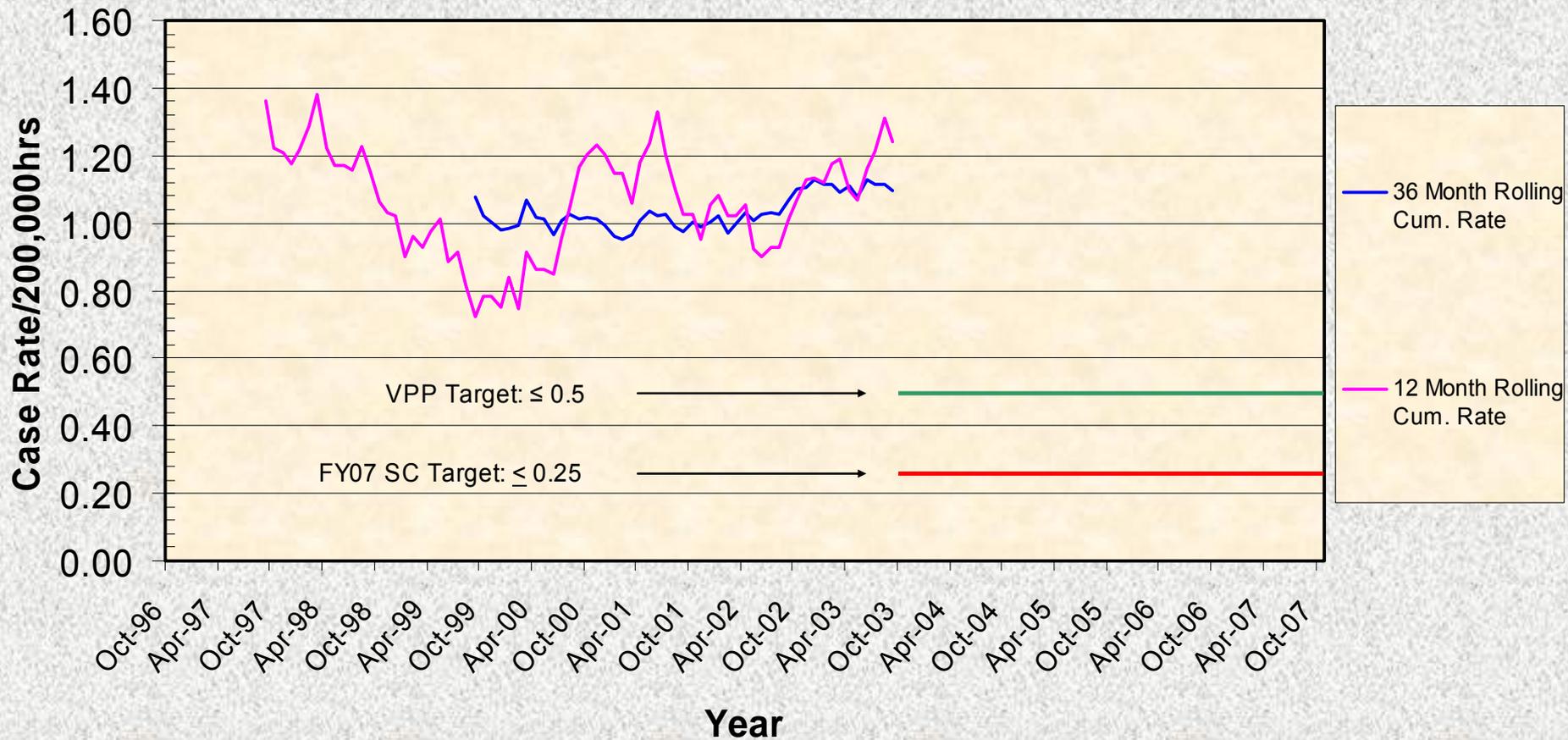
Case Study

- ▶ Demonstrate why culture matters
- ▶ Why program elements are cornerstone of a safety
- ▶ Safety must be a value

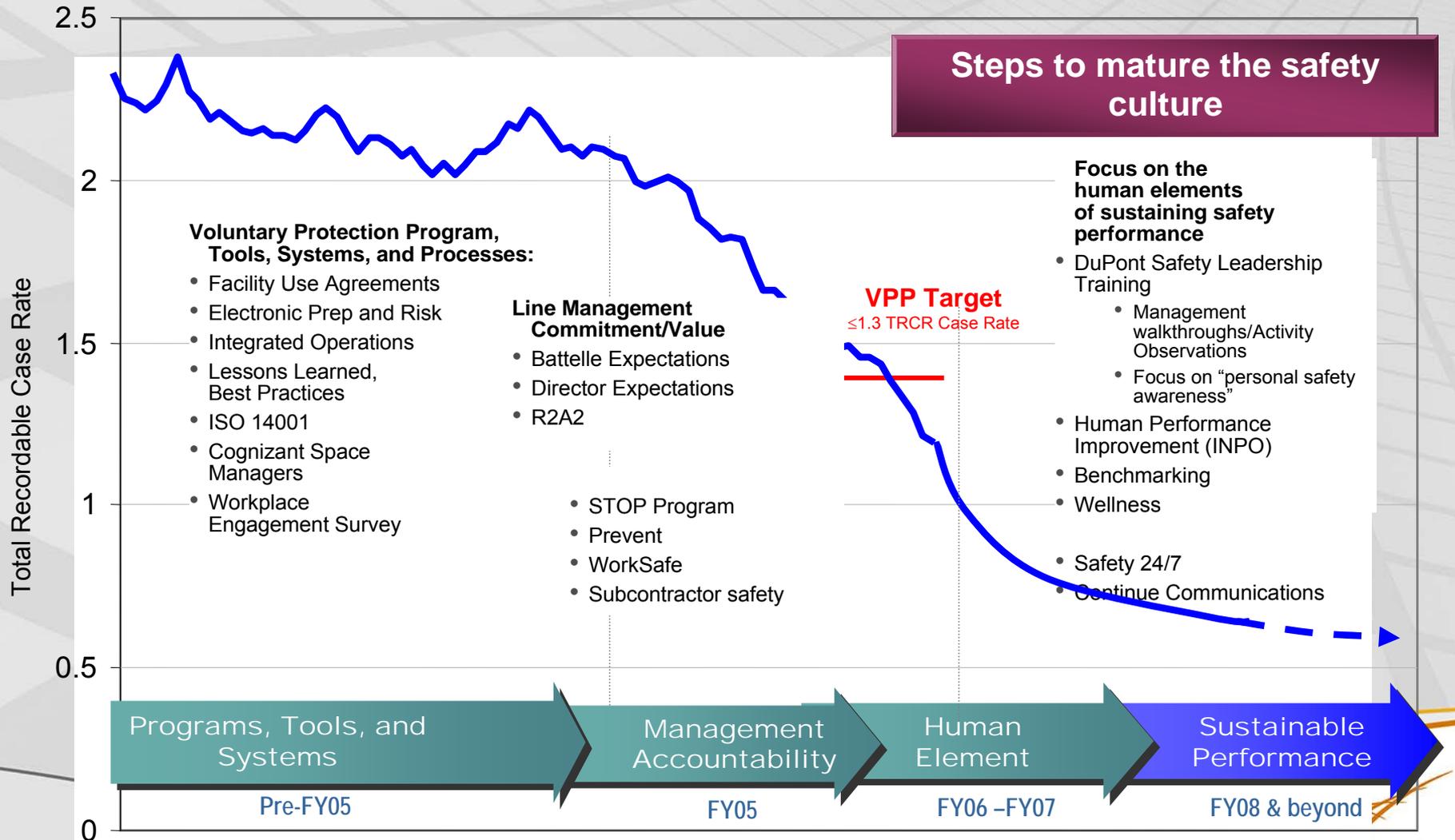
12 & 36 Month Rolling Cumulative Total Recordable Case Rate (TRCR) Pre FY04



12 & 36 Month Rolling Cumulative Days Away, Restricted & Transferred (DART) Case Rate Pre FY04

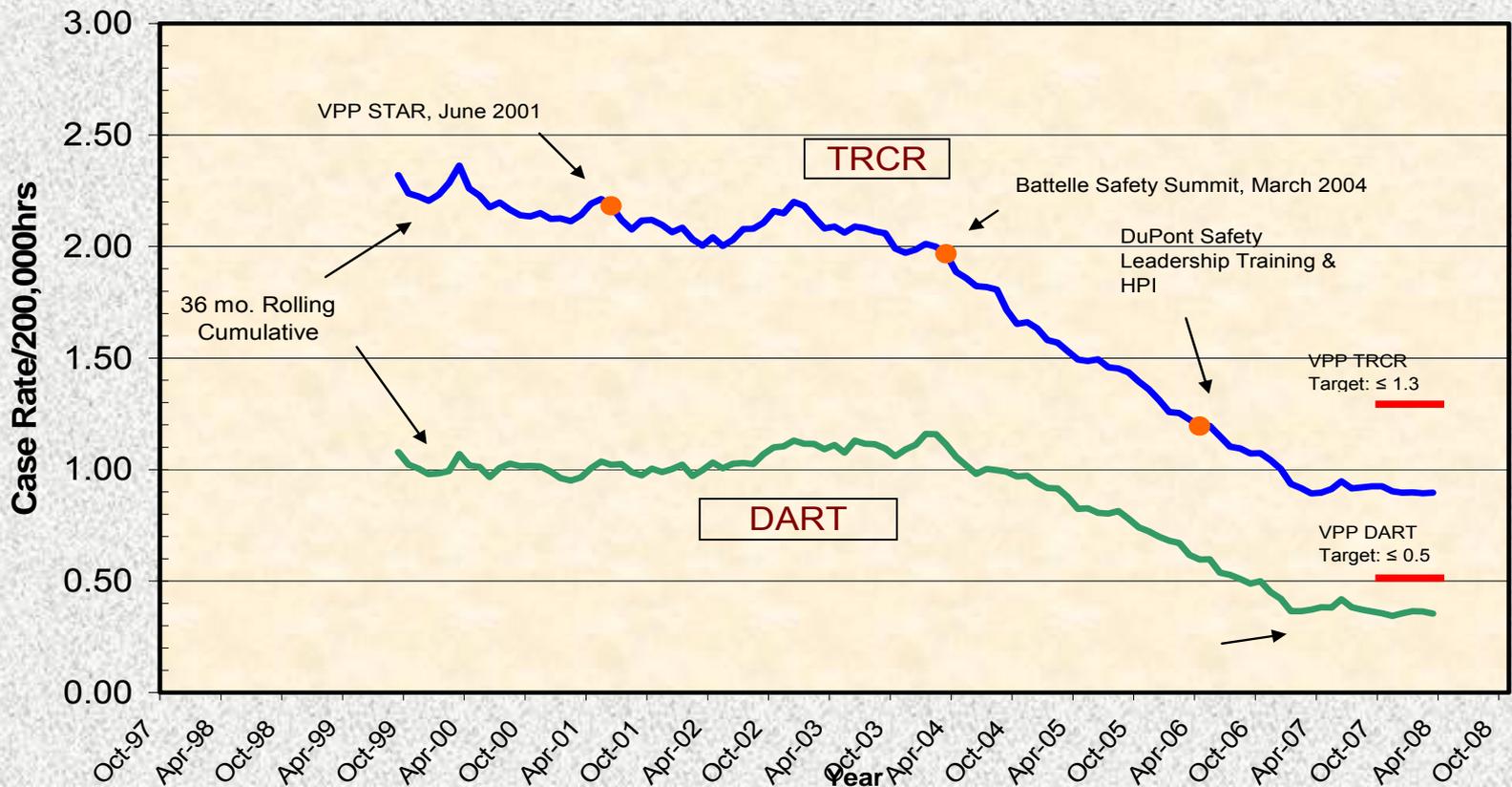


PNNL path to achieving a sustainable safety and operational culture



Sustaining the Level of Performance continues to be a Challenge

36 Month Rolling Cumulative DART and TRCR March 2008



Critical Components

- ▶ Integrated systems that aid in deployment of the requirements
- ▶ A culture that passionately believes that all accidents, injuries, and work-related illnesses are preventable
 - This requires a vision/commitment, led by top leadership
 - Senior managers exhibit strong, visible, and consistent leadership
 - All employees and senior managers are highly motivated to achieve the safety vision

Safety is a core value

