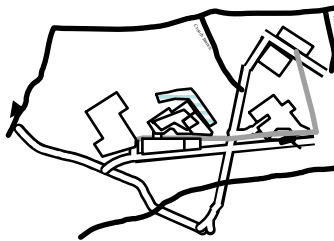




Working Safely at the Savannah River Site



Lee Fox, WSRC

February 26, 2008



EM Environmental Management
safety ♦ performance ♦ cleanup ♦ closure

The Savannah River Site

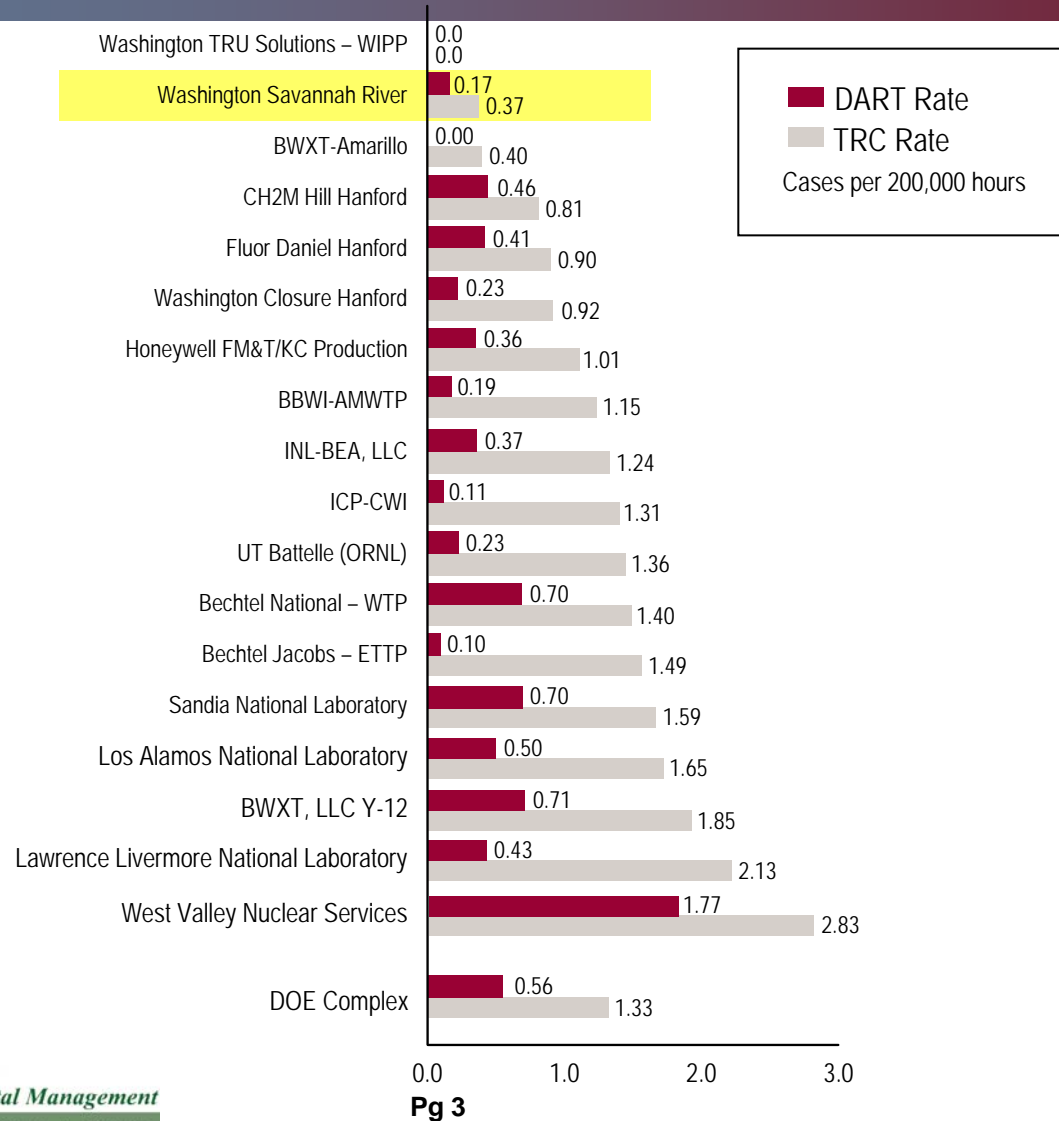


- 198,334 acres, or about 310 square miles
 - Fourth largest DOE site in the United States (behind Nevada Test Site, Idaho National Laboratory and Hanford Site)
- SRS workforce: Approximately 11,000
 - WSRC team (about 86 percent)
 - DOE-SR and DOE-NNSA
 - Other contractors



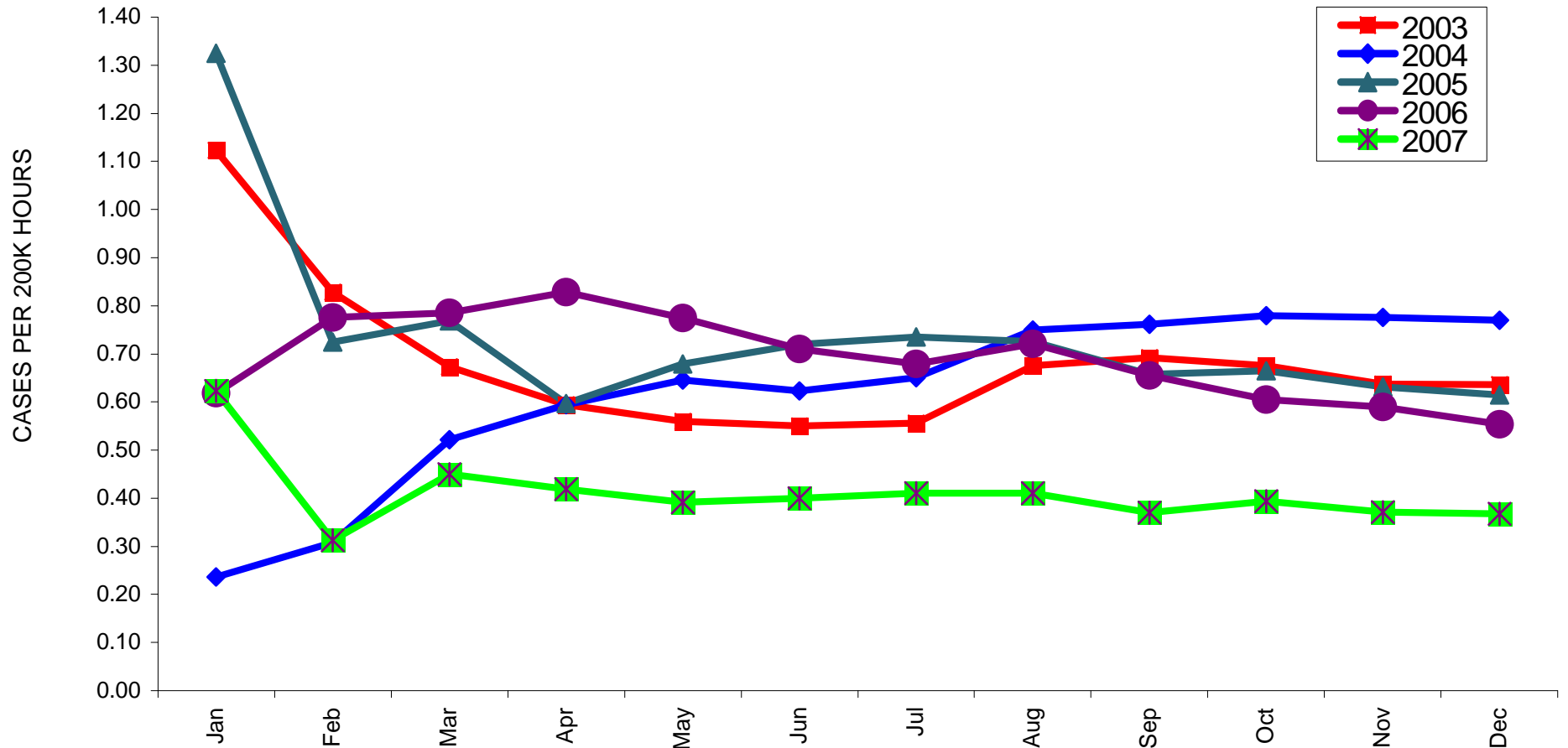
Illness & Injury Ranking Within DOE Complex

January-September 2007



SRS Operations

Total Recordable Cases, January 2003-December 2007

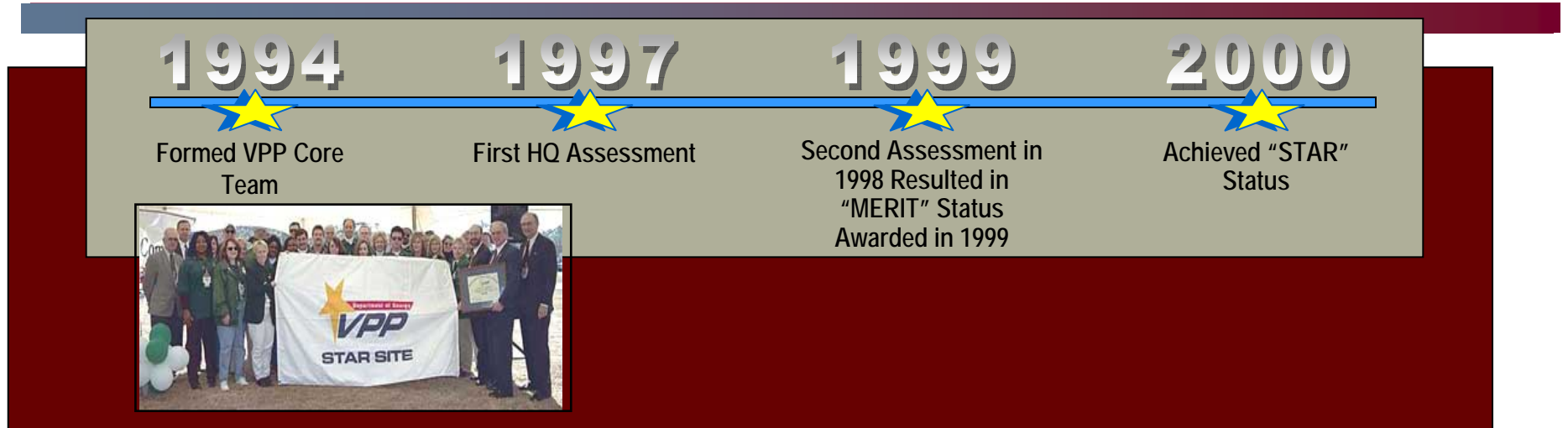


Safety Programs at SRS

- Voluntary Protection Program (VPP)
- Integrated Safety Management System (ISMS)
- Behavior Based Safety (BBS)
- Human Performance Improvement (HPI)



VPP Legacy at SRS



- ★ Largest, most complex site to ever earn "STAR" status
- ★ Performed on-site assist visits to West Valley
- ★ Conducted sessions at Regional and National VPP Conferences
- ★ Developed an electronic survey tool that collects employee input on site safety perceptions for use in annual VPP evaluations



VPP Continues

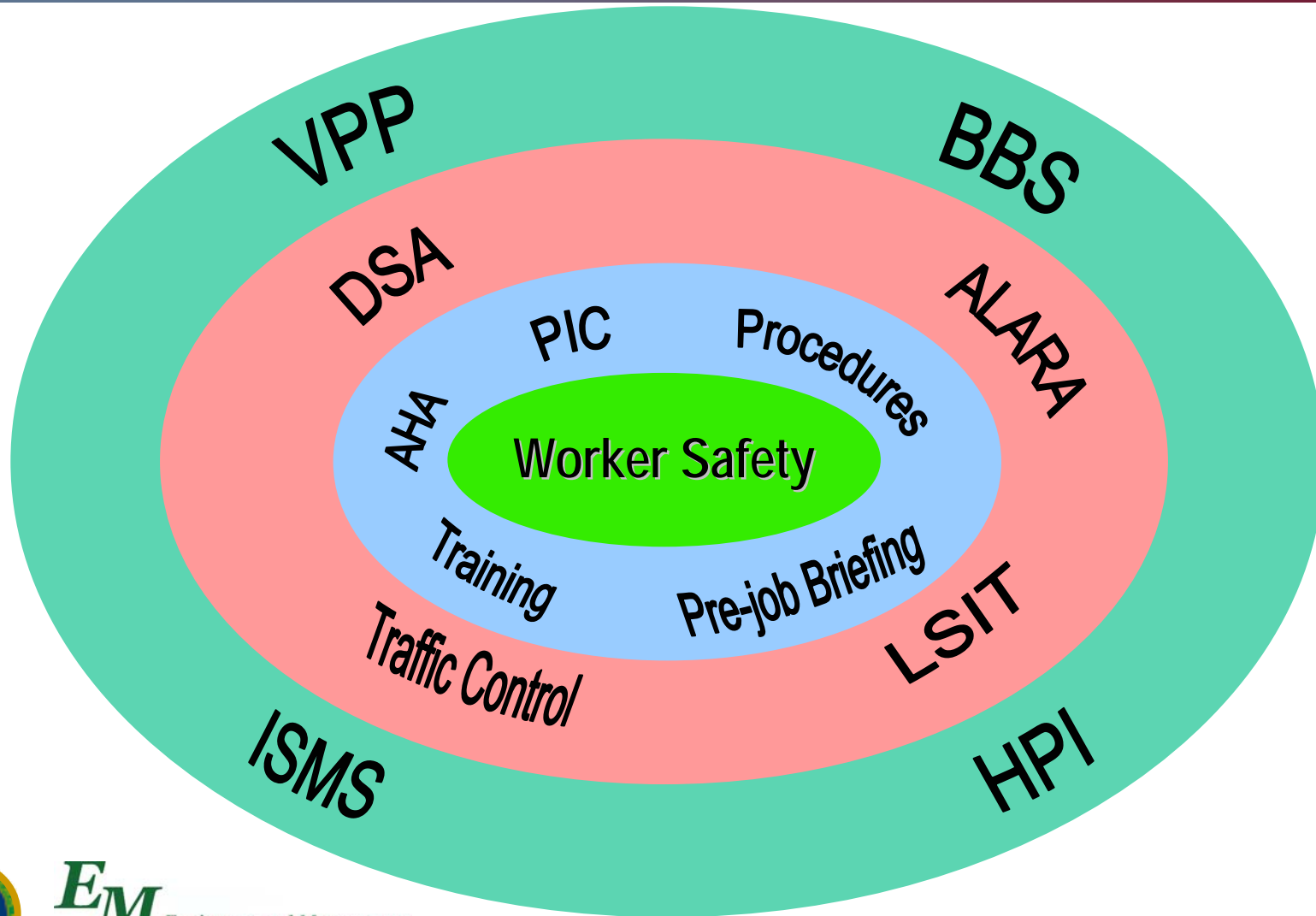
2003	2004	2006	2007
Recertified as STAR	Earned Legacy of Stars Award	Earned 5 th consecutive STAR of Excellence Award from DOE	Poised to receive 2 nd Legacy of STARS and 6 th STAR of Excellence



- ★ Earned the Legacy of Stars Award from DOE
- ★ First DOE Site to mentor a DOD Site in VPP (Warner Robins Air Base)
- ★ Earned 5 Consecutive STAR of Excellence Awards
- ★ Expanded outreach efforts to Oak Ridge, Hanford, and Los Alamos



It's all about WORKER SAFETY



Ship-to-WIPP Program

- Program
 - 32,000 - 55 gallon drums of TRU waste
 - 10,000 drums with WIPP prohibited content
 - Limited storage space
 - Inventory (PE-Ci) limitations
- Success to Date
 - Disposed of ~27,000 drums
 - Removed WIPP prohibited content from 8,800 drums
 - No major injuries
 - No major drum handling accidents



Drum Handling



- 20,000 drum movements per month
- Contains highly contaminated TRU job control wastes
- ❖ Traffic Control Plan
- ❖ Drum movement by forklift
- ❖ Spotters



Prohibited Item Removal



- 20 – 30 year old waste
- Sharps
- Unknown liquids
- Hidden objects
- > 1,000,000 dpm alpha
- Dose rates > 200 mRem/hr

- ❖ Glove Development Program
- ❖ Tools
- ❖ Ergonomic Evaluation



Summary

Excellence integrating our safety programs at the individual worker level

