

Environment SAFETY & HEALTH

Fluor Hanford employees have achieved some impressive safety records in a variety of categories during the year. Strong site-wide safety performance has been achieved through successful implementation of the Integrated Environment, Safety and Health Management System (ISMS), and through continuing employee partnership in reducing injuries.

Integrated Environment, Safety and Health Management System

Fluor Hanford is finishing the substantial task of implementing the ISMS at Hanford. ISMS is a method of “doing work safely,” aimed at protecting site workers, the public and the environment.

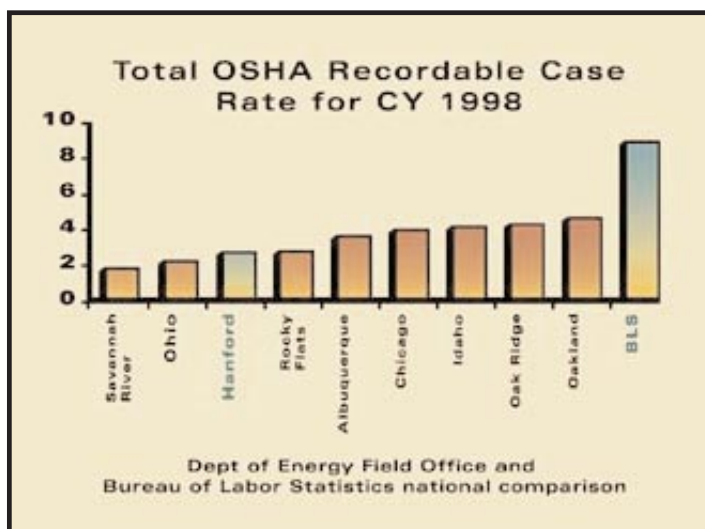
The ISMS plan establishes a single, defined system that integrates environmental, safety and health requirements into Hanford’s work planning and execution processes. It improves efficiency by identifying, ana-

Hanford’s OSHA recordable case rate is lower than the Bureau of Labor Statistics national average, and lower than almost every other site in the DOE Complex.

lyzing and controlling work hazards and environmental impacts. It also increases worker involvement and ownership in the work-planning processes.

Nearly two years of preparation culminated in a two-week-long Department of Energy (DOE) assessment of Phase I, which found that the Fluor Hanford team had successfully met 12 of 13 verification objectives. The last objective will be verified by the end of the year. Phase II verification activities focus on ISMS implementation in the facilities and projects. Phase I and II reviews for K Basins and the River Protection Project (formerly the Tank Waste Remediation System) have already been verified.

Effective use of the ISMS plan integrates the best practices of the DOE’s Voluntary Protection Program with other Fluor Hanford safety and performance improvement initiatives.



Safe Work Accomplishments

- Fluor Hanford employees reached 4 million safe work hours. (Recorded since October 1, 1996)
- Workers at the Plutonium Finishing Plant, the Fast Flux Test Facility, the 300 Area and the Tank Farms each crossed the 1 million safe hours mark.
- Engineering & Technology staff have gone three years without a lost workday and reached one million safe hours.
- Workers at the Waste Sampling and Characterization Facility have gone without a lost time injury since operation began on October 1, 1993. The Waste Receiving and Processing facility has operated without a lost time injury since it began operation in January 1997.
- The Cold Vacuum Drying Facility construction project has gone more than 33 months without an OSHA recordable injury.

Emergency Preparedness – Hanford Incident Command System Improvements

Improvements in the Hanford Incident Command System earned one Hanford team an impressive “Superior Performance” rating in a FY 1999 DOE

exercise evaluation report. The site-wide task team is comprised of members from the Hanford Fire Department, Hanford Patrol, Pacific Northwest National Laboratory, Bechtel Hanford, Inc. and Fluor Hanford. The goal was to improve the emergency response effort through implementation of a single Incident Command System. The rating illustrates the concerted efforts that have been made on the site to improve emergency preparedness programs.

Health & Safety Symposia

Fluor Hanford developed and conducted major health and safety symposia during the year including:

- The fifth annual Hanford Health and Safety Exposition, attended by 14,000 employees and community members. Expo '99 was an exhibition of information, equipment, supplies and success stories to promote health and safety of workers both at home and at work.
- A two-day forum entitled "Safety Summit '99," sponsored jointly by

Fluor Hanford, the labor unions and DOE's Richland Operations office, to explore means of taking Hanford safety to the next level of performance.

- An applied ALARA (As Low As Reasonably Achievable) radiation workshop attended by 150 people, comprised



of contractors from across the DOE Complex and other representatives of the nuclear industry.

Safety Culture

Fluor Hanford continued improving the safety culture by increasing worker involvement. For example, Fluor Hanford continued to build on a strong partnership with the Hanford Atomic Metal Trades Council on the Union Safety Representative program, which has enhanced employee involvement, improved lines of communication and strengthened employee commitment to a safety-conscious work environment.

In January, full-scale plutonium stabilization resumed at PFP after a two-year, self-imposed hold to implement safety improvements.

After successful completion of operations readiness reviews, DOE cited five outstanding areas at PFP including emergency preparedness, criticality safety, quality assurance, maintenance and radiological controls.

