

FY 1999 TOP ACCOMPLISHMENTS

1) Continued strong, site-wide safety performance through sustained emphasis on worker safety and implementation of the Integrated Environment, Safety and Health Management System.



The OSHA recordable case rate for 1999 was maintained at 2.5 injuries reported per 200,000 hours worked after a **50% reduction in injuries** during Fluor Hanford's first two years at Hanford.

2) *Nearly 1.9 million liters (half a million gallons) of radioactive waste were pumped* from aging single-shell tanks into safer double-shell tanks – 190,000 liters (50,000 gallons) beyond the target set for the Interim Stabilization Project.

3) The new cross-site transfer line – critical for pumping single-shell tanks in Hanford's 200 West Area – was used to **transfer 6.27 million liters (1.65 million gallons) of radioactive waste into double-shell Tank 241-AP-107.**

4) The long-standing high-heat safety issue in Tank 241-C-106 was effectively resolved with the successful sluicing of 95% of the tank's sludge. This work was completed **2.5 months ahead of schedule and \$1.8 million under budget.**



5) Significant quantities of radioactive materials have been moved out of the 300 Area since deactivation began in 1996, including **150,000 curies of spent fuel samples; 8 million curies of waste vitrified into glass logs; 400,000 curies of cesium; and 137,236 waste containers and seven shipments of spent nuclear fuel** removed this year – greatly reducing nuclear inventory near populated areas.



6) The Spent Nuclear Fuel Project made significant progress toward the November 2000 target to begin moving fuel away from the river and into long-term storage. **The Integrated Water Treatment System was installed, the Cold Vacuum Drying Facility structure was completed, and the Canister Storage Building is essentially finished.**

7) Full-scale plutonium stabilization resumed at the Plutonium Finishing Plant after a two-year, self-imposed hold to implement safety improvements. **150 oxide and sludge items were stabilized – 40 more than targeted.**

8) Retrieval of stored transuranic waste was initiated – **14 months ahead of schedule** – in preparation for shipment to the Waste Isolation Pilot Plant.

9) Onsite disposal of mixed low-level waste from both onsite and offsite generators was initiated in the Hanford

mixed-waste trench, meeting the Tri-Party Agreement milestone commitment **more than 18 months ahead of schedule.**



10) Fluor Hanford furthered its commitment to Tri-Cities community economic development by **committing \$4.3 million** to build a 100,000-square-foot industrial building to attract new business to the area.

11) Fluor Hanford continued its aggressive indirect-cost reduction effort, resulting in a **\$12 million savings.** This reduction includes cost-cutting strategies and process improvement.

12) HAMMER conducted two highly successful performance-based exercises. One was a Tank Farms emergency response simulation. The other was a



Plutonium Finishing Plant mock-up for replacing equipment in a highly radioactive location. The mock-up identified a major safety issue, 24 equipment changes and 12 critical work-sequence changes that were implemented for the actual job. **For every dollar spent to stage the mock-up, the plant saved \$300 in potential corrective actions.**