Campbell Award Success Story

Fluor Hanford Case Study

National Safety Council
Where Is Hanford?

Hanford Site

586 square miles
Hanford History

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Hanford Cleanup Challenge

- 1,700 waste sites
- 500 contaminated facilities
- 53 million gallons of tank waste
- 2,300 tons of spent nuclear fuel
- 20 tons of plutonium material
- 80 square miles of contaminated groundwater
Where We Are in the Cleanup

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Safety

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Mission – Business Profile

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Mission – Business Activities

Waste Stabilization

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Mission – Business Activities

Waste Shipment

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Mission – Business Activities

D&D

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Mission – Business Activities

Contaminated Groundwater

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Mission – Business Activities

Utilities & Infrastructure

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Mission – Business Activities

Security

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Fire Department

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Mission – Business Activities

Training

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Injury Cost Avoidance by Fiscal Year

Cost Avoidance per Year

OSHA Cases per 200,000 Hours

FY 96 FY 97 FY 98 FY 99 FY 00 FY 01 FY 02 FY 03 FY 04 FY 05 FY 06 FY 07 FY 08

Begin Fluor Hanford Contract

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SH&E Supports Milestone Completion

Flour Hanford OSHA Recordable Cases per 200,000 Hours and Protecting the Columbia River

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Employee Partnership

- Union Rep Safety Program
- Safety Councils
- HAMMER / Worker Trainers
- Voluntary Protection Program
- Safety Culture – 24/7

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Benefits of Union Safety Representatives

- Fewer safety and health-related concerns
- More worker involvement
- Fewer grievances
- Increased ownership of safety
- Partnering culture between union and management
Safety Councils

Presidents’ Zero Accident Council

- Safety decisions and information are made and communicated up and down the chain
- Management and employees equally represented
- Structured with a company-level council that represents 50 project/organization councils
Fluor Hanford has earned nine DOE-VPP Star site designations
- Strengthened management / employee partnerships
- Provides mentoring/benchmarking opportunities
Integrated SH&E Management System

Business Systems

- Integrated Safety Management System — foundation for all we do
- Work management — team approach
- AJHA — National Awards
- Training methods and facility — world class
- As-Low-As-Reasonably-Achievable (ALARA) Center
- Metrics
ISMS – Foundation for All We Do

Integrated Environment, Safety and Health Management System

Establish ES&H Policy

Define Workscope

Identify Hazards

Perform Work

Hazard Control

Management Review

Feedback

VPP

EWP

EMS

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Automated Job Hazard Analysis – National Awards

- Creates a “team” approach
- ESH involvement up front
- Technically based selection of hazard controls
- Reduces planning and execution time
- Consistency in the hazards-analysis process

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Identify Potential Job Hazards

Hazard Tree questions are written with “LEVELS” of detail.

The yellow shadow always reminds you where you are in the JHA process.
AJHA – National Awards

Printed Reports

- Waste Planning Checklist
- Waste Packaging Instructions
- Hazards and Controls

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Volpentest HAMMER Training & Education Center

World-Class Training Methods and Facility

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ALARA Center

Where Workers and Planners Meet

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Community Impact / Involvement

- Safety and Health EXPO
  - 62,000 visitors in two days
- VPP Mentoring
- United Way
  - Highest local contributor
- Junior Achievement – Bowling

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Innovation led to cost savings and reduced employee exposure

- Open-Air Demolition
  - 233-S removal (Plutonium)
- Open-Air Demolition
  - 105KE Transite removal
- U-Plant rubbilizing and entombing *versus* material removal and burial

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Fluor Hanford

- Ranked among the safest companies in the industry in which we work
- Additional work is being completed due to ESH efficiencies and injury reduction
- Earned reputation of timely milestone completion and effective stewardship of taxpayer money
- Performance key to winning new contracts

☑️ Productivity ☑️ Environment ☑️ Sustainability
On-Site Review Results

Reflected our business values

Safety
Integrity
Teamwork
Excellence

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Questions and Answers

From yesterday

Campbell Award Success Story
Questions and Answers

To today