

The Challenge of Getting What You Asked For

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788



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The Challenge of Getting What You Asked For

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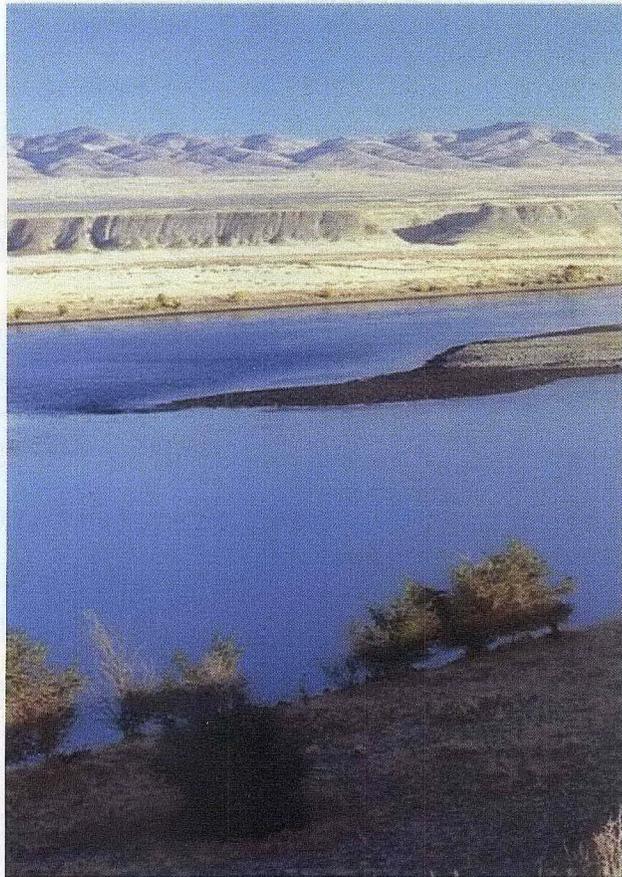
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CH2MHILL
Plateau Remediation Company



The Challenge of Getting What You Asked For

**Integrated Safety Management
Summit**

Knoxville TN

August 24-27, 2009

Presented By: Patrice McEahern



U.S. DEPARTMENT OF
ENERGY

One Team. One Culture.

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Personal BIO – Patrice McEahern

**Vice President, CH2M HILL Plateau Remediation Company
(CHPRC) Safety, Health, Security and Quality**

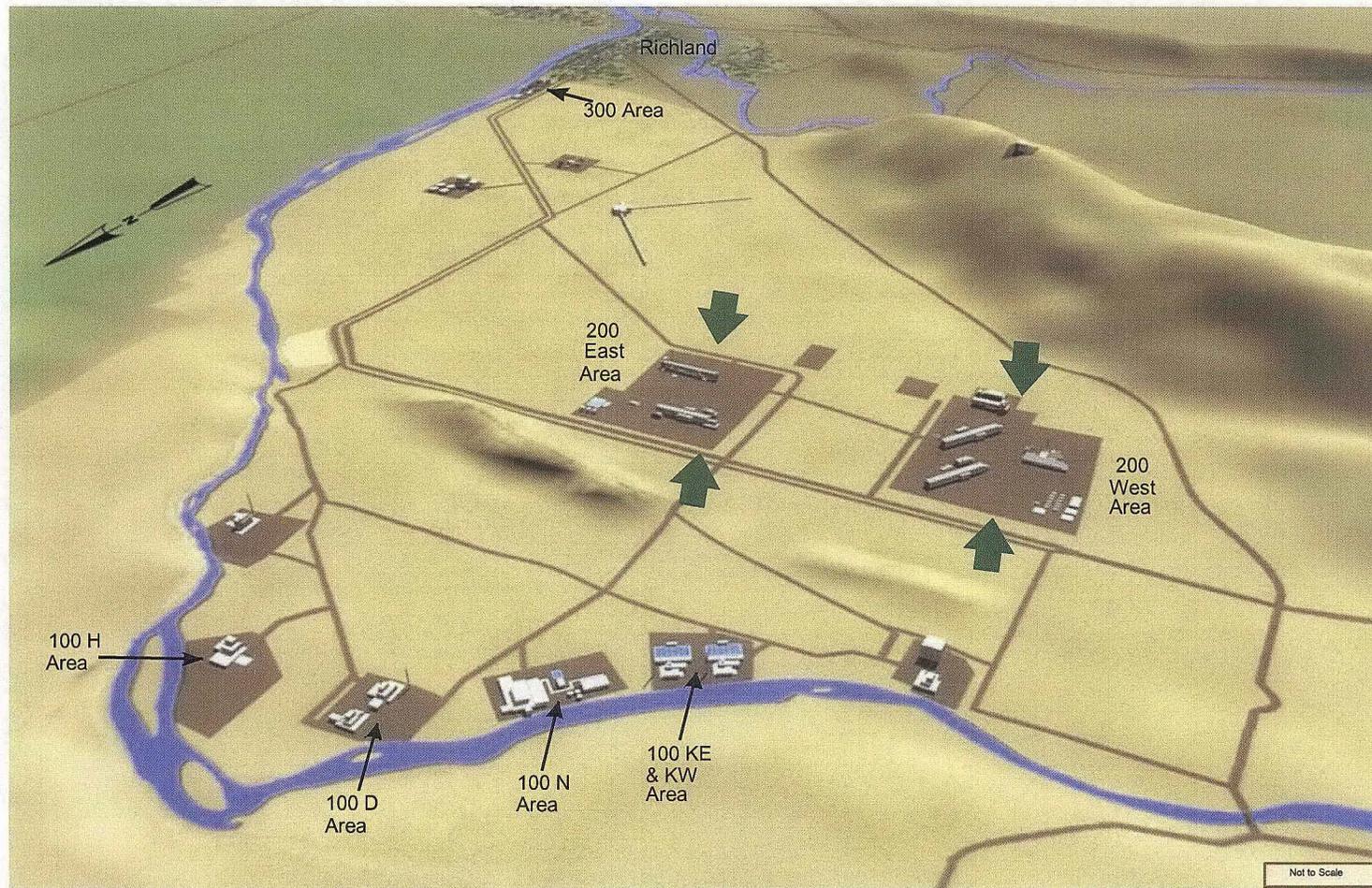
Current responsibilities include management of implementation of the ISMS/EMS for CHPRC. Ms. McEahern's has more than 25 years of nuclear experience that spans both US and Canadian commercial facilities, and several Department of Energy sites. Ms. McEahern's experience includes design, operations, construction, and D&D. She has supported the development of International Atomic Energy Agency standards and environmental restoration activities for the Department of Defense. She has a BS in Engineering Science.



Agenda

- **Introduction**
- **Background**
- **Status of ISMS Program Implementation**
- **Impact of ARRA Funding**
- **Lessons Learned to date**
- **Conclusion**

Introduction – Hanford Site



Introduction - CHPRC Mission

Project Mission:
Decommissioning
and remediating
the Central
Plateau, 100K
Area, 400 Area,
and site
groundwater

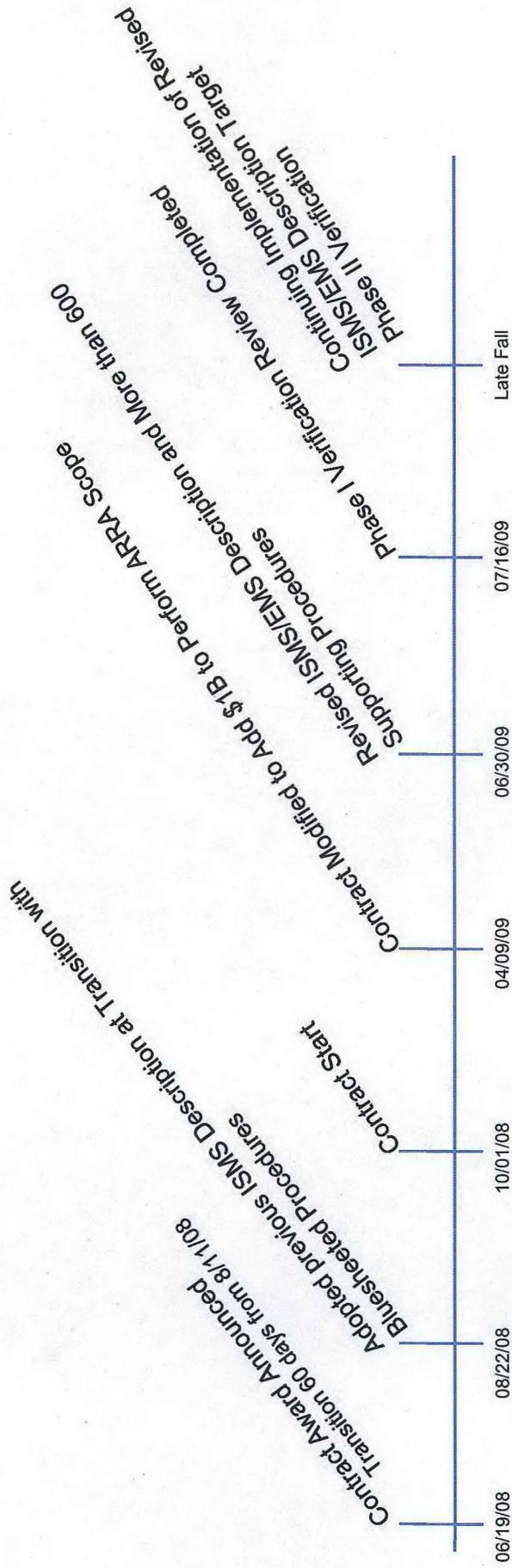
\$4.5 billion,
5-year contract
with 5-year
option



- 100K Area remediation 2 reactor complexes, 35 cubic meters of highly radioactive material, 89 facilities to demolish, 109 waste sites
- Plutonium Finishing Plant (PFP) closure 46 facilities to demolish, 232 gloveboxes, special nuclear material and fuel
- Groundwater/vadose zone remediation project 12 plumes with 10 major contaminants encompassing approximately 100 square miles
- Facility, waste site, and canyon remediation >700 facilities, and more than 1,100 waste sites
- Treatment and disposal of more than 15,000 legacy containers of radioactive waste, retrieval of 5,400 cubic meters of TRU waste, treatment of more than 130 million gallons of liquid waste annually, management of 2,300 metric tons of spent fuel and interim storage of 1,936 cesium and strontium capsules
- Place Fast Flux Test Facility into minimum surveillance and maintenance condition (Cold & Dark)



Status of ISMS Program Implementation



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Impact of ARRA Funding

- **ARRA added \$1.3B to the near-term baseline (FY 2009-2011)**
 - **ARRA scope fully integrated into the planning**
 - **Additional hiring (+1,400) that require**
 - **Training**
 - **Facilities (over 100 trailers being installed)**
 - **IT Upgrades**

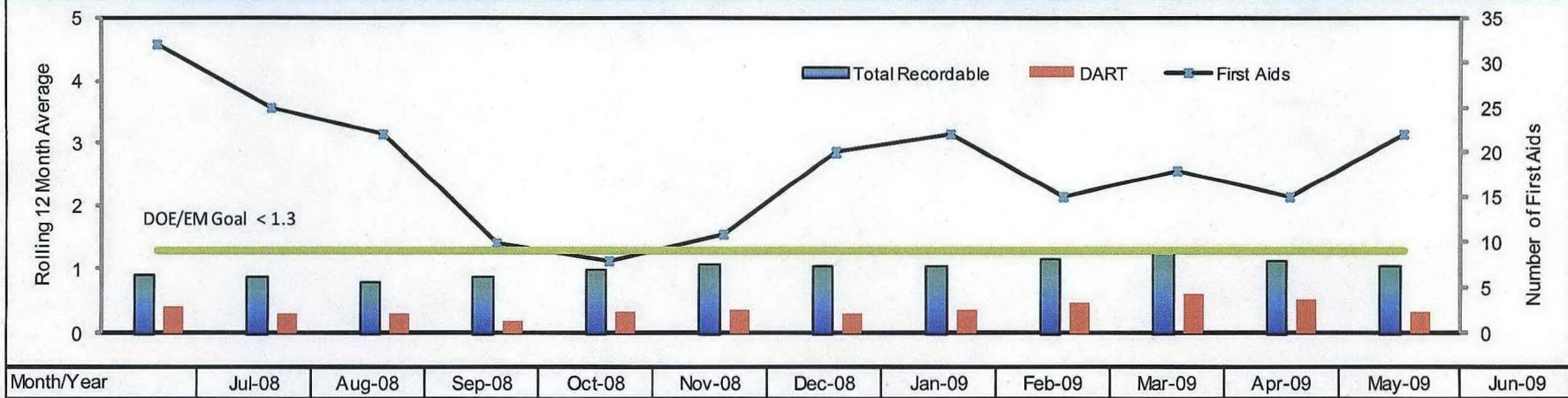


Lessons Learned to date

- **Integrated staffing plan that identifies long-lead staffing needs and sequencing of training and start to support short lead resources**
- **Embrace new hires by teaming with incumbents**
 - Communicate long term opportunities
 - Communicate common information
- **Training set up as a “block session” by assignment**
 - Includes a safety culture orientation “Do Work Safely”
 - D&D Worker Fundamentals
 - Supported a programmatic review/audit of training
- **Incorporation of lessons learned from operational events must be performed quickly to ensure new employees benefit**
- **Culture is difficult to change – vigilance is required**

Results

CH2M HILL Self Assessment Scorecard First Aid, Recordable, DART



CY09 TRC/DART ARRA Injuries/Illnesses

Month	TRC	DART
April	0	0
May	0	0
June	2	0



Conclusion

- A robust ISMS program is capable of absorbing additional work scope without modification
 - All ARRA work performed within the existing system
 - Introduction and continuing reinforcement of the principles and expectations is important to success