HNF-49950-VA
Revision 0

CHPRC Drilling Subcontractor Information Exchange

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

P.O. Box 1600
Richland, Washington 99352

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Date Published
June 2011

To Be Presented at
Driller's Conference

CHPRC
Richland, WA

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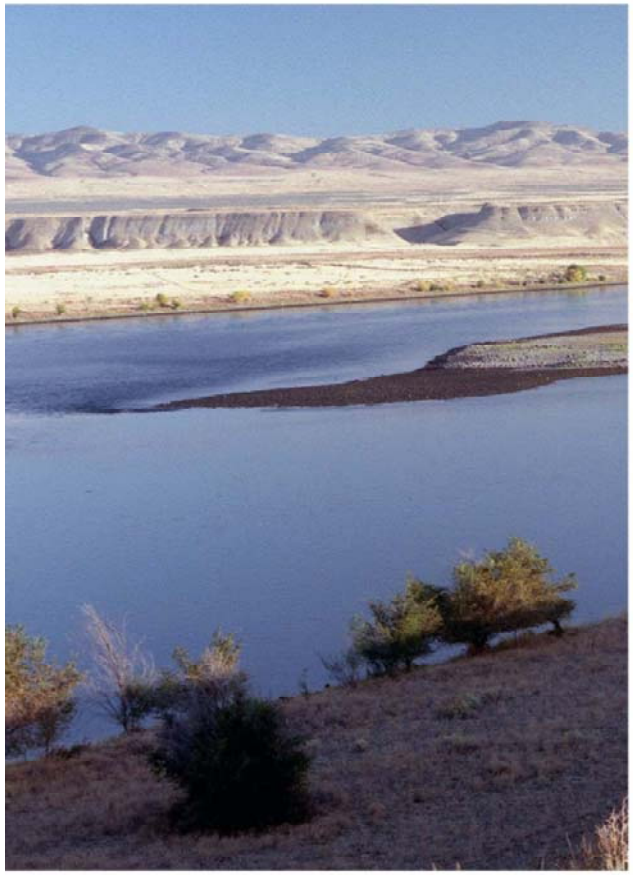
Release Approval _____ Date _____

CH2MHILL
Plateau Remediation Company



CHPRC Drilling Subcontractor Information Exchange

Presented to: Soil and Groundwater Subcontract Drilling Companies

Presented by: Soil and Groundwater Drilling Team

Shilo Inn, Richland, WA
June 9, 2011

One Team. One Culture.

Agenda

CHPRC Drilling Subcontractor Information Exchange Agenda

- Introduction and Opening Remarks - Dave Capelle
- CY11 Safety Performance/Lessons Learned - Todd Southerland
- Radiological Control During Drilling Operations – Craig Larson
- FY11/1FY2 Drilling Schedule - Chris Wright
- Contracts Review - Dan Sokol
- Performance Expectations - Mark Cherry
- Questions and Answers

Introduction and Opening Remarks

Dave Capelle

CY11 Safety Performance/Lessons Learned

Todd Southerland

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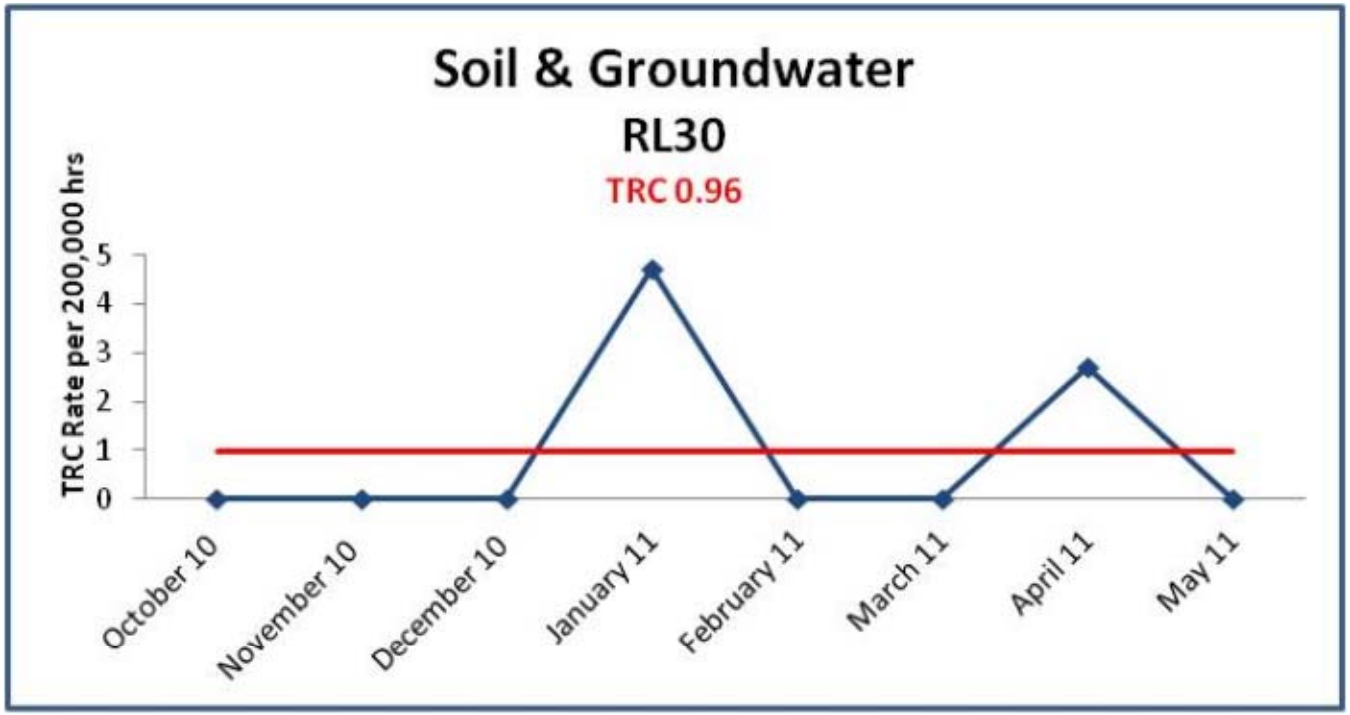
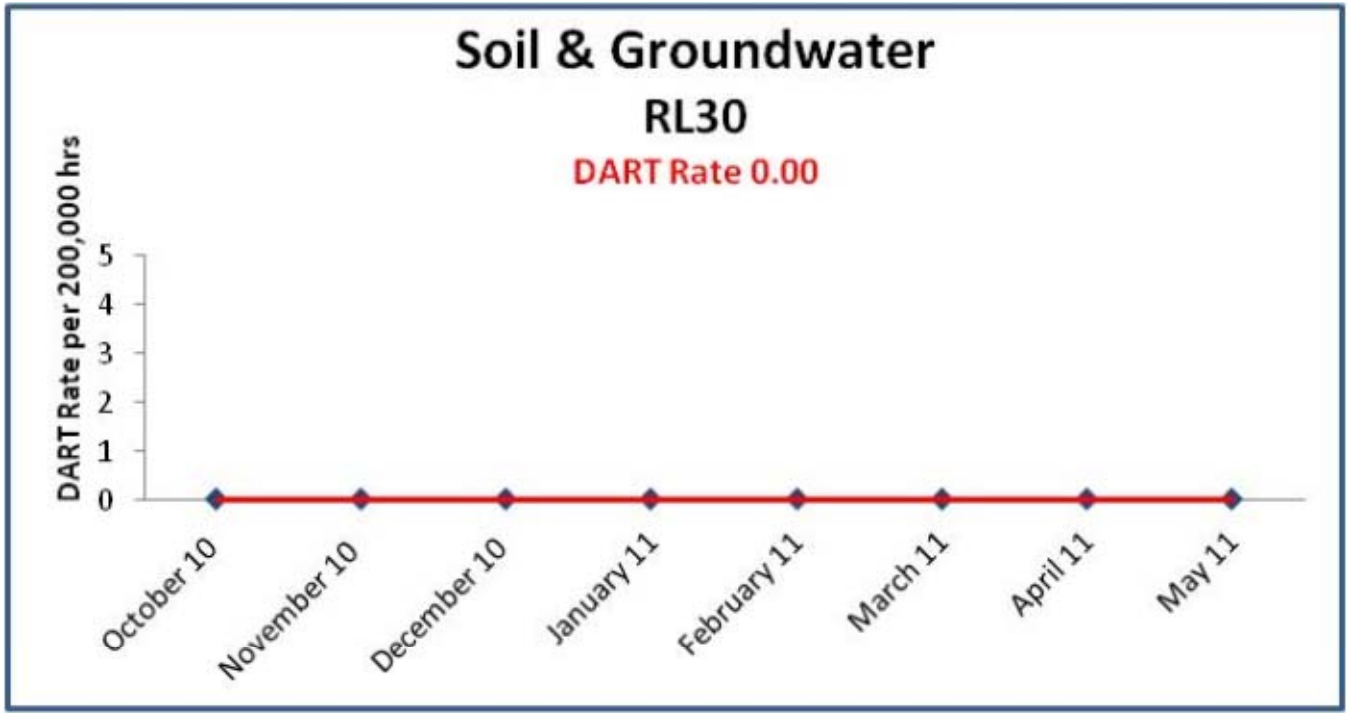
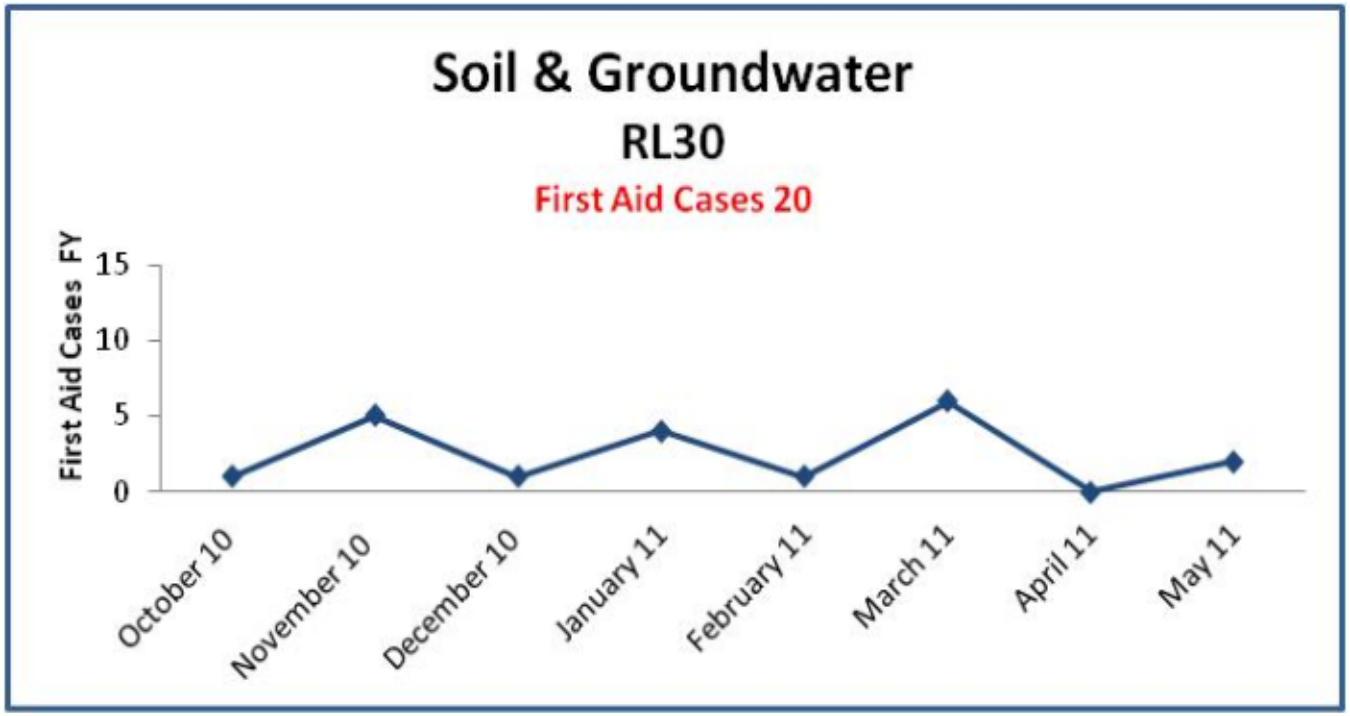
RL30 Total Recordable Cases



RL30 Days Away Restricted Total



RL30 First Aid Cases



S&GRP Event

- April 21, 2011 at 100 NR2 Drill Site, 100N Area
- High wind – 23 mph sustained with 35 mph gusts
- Leg struck by door as employee stepped into trailer

Anatomy of the Event

- Stepped into trailer with left foot
- Wind gust caught door slamming it into employee's leg
- No restraint on trailer door to keep it from swinging
- Employee was not prepared for sudden change in wind condition
- Door restraint installed on trailer
- S&GRP evaluation of other trailers/storage containers, door restraints installed

Radiological Control During Drilling Operations

Craig Larson

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Radiological Overview

- Rad Engineer (RE) Receives Excavation Permit
- RE Performs Review of Historical Data
  - Q-Map, Waste Information Data System (WIDS), Hanford Environmental Information System (HEIS), Walk Down & Posting Review
- RE Performs Hazard Analysis
  - Low, Medium, High Hazard
- Radiological Controls are based on
  - Hazard Level
  - Transferability

Radiological Overview Continued

- Most of the Wells Screen Low Hazard and a Task Description is Written for the RadCon Technicians,
  - Guidance on Postings
  - Frequency of Surveying, RadCon Requirements, and Isotopes of Concern
- Contamination Control
  - Sleeving, Windbreaks, Flooring
  - Postings, Boundaries
  - Personal Protective Equipment (PPE)
  - Radiological Work Permit (RWP)

Radiological Overview Continued

- Worker Unescorted Access Training Requirements
  - Radiologically Controlled Area (RCA), Soil Contamination Area (SCA)= General Employee Radiological Training (GERT)
  - Radiological Buffer Area (RBA), Radioactive Material Area (RMA), Radiation Area (RA) = Rad Worker I Training
  - Underground Radioactive Material Area (URMA) = Rad Worker II Training (Intrusive Work)

FY11/FY12 Drilling Schedule

Chris Wright

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CHPRC Soil and Groundwater Remediation Program
FY11/ FY12 Draft Drilling Schedule

S&GRP Well Management

Chris Wright

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CHPRC Soil and Groundwater Remediation Program
FY 11/FY12 Draft Drilling Schedule

Assumptions/Disclaimers

- "Low Risk" means open to all method unless restricted by Operable Unit Plans. Marked in Green.
- "Medium Risk" has low levels of radionuclides in the soil, no use of air circulatory methods, but without excessive PPE or controls. Marked in Orange.
- "High Risk" has moderate to high levels of radionuclides, no use of air circulatory methods, extensive PPE and controls Marked in Red.
- This is a preliminary estimate of future work. Risk levels may change. All projected workscope is subject to changing cleanup priorities and funding levels. <u>These plans are not set in stone.</u>

CHPRC Soil and Groundwater Remediation Program
FY11/FY12 Draft Drilling Schedule

FY 12 Contracts

- BC- Cribs, 2 Geophysical Logging Wells ~60 feet deep (FY11).
- Well Bonding Contract ~250-400 Wells (FY11)
- M-24 Drilling: 5 Monitoring Wells, 4” Completions, ~250-300 feet deep
- 100-HR-3: Up to 11 Compliance Wells at 100-D/H, 6” completions, ~35-100 feet deep
- 100-HR-3 5 Monitoring Wells for Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) 5 year Review ~35-100 feet deep
- 100-KR-4 4-6 Extraction/Injection Wells at 100-K 6” completions, 180 feet deep
- 200-ZP-1: 8 Extraction/Injection Wells at 200-W, 8” completions, ~480 feet deep
- 100-BC-5 4 Monitoring Wells for CERCLA 5 year Review ~120 feet deep

CHPRC Soil and Groundwater Remediation Program
FY11/FY12 Draft Drilling Schedule

FY 12 Contracts Continued

- 100-FR-3 2 Monitoring Wells for CERCLA 5 year Review ~35-50 feet deep
- 300-FF-5 2 Monitoring Wells for CERCLA 5 year Review ~35-100 feet deep
- 200-BP-5: 2 Extraction/Monitoring Wells at 200 East , 4” and 6” completion, ~250-300 feet deep. May have extensive sampling or method restrictions
- 100-NR-2 3 Monitoring Wells for CERCLA 5 year Review ~35-100 feet deep
- 200-DV-1 3 Wells for Pore water sampling
- Direct Push Technology (DPT)/Geoprobe to support waste site characterization

CHPRC Soil and Groundwater Remediation Program FY11/FY12 Draft Drilling Schedule

Other Potential Campaigns

- Sampling to Support Waste Site Remediation
- Drilling to Support PNNL, WCH, or Office of Science funded projects. To date, can represent another 20% to 30% of budgeted wells

FY 12 Projects

- 2 Additional Water Supply Wells for WCH
- Replacement Wells to support 100 area D&D work

Contracts Review

Dan Sokol

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Contracts Review

- Changes to Certified Payroll Requirements
- Form SF 1413
- Travel Pay
- New Hanford Site Stabilization Agreement (HSSA) Rates Effective June
- Contractual Flow Down and Submission of Lower Tier Proposals
- Back Charges for Missed Training and Medical

Performance Expectations

Mark Cherry

Back To Basics

- Involve the Drilling Team in Planning the Job
- Conduct Detailed Pre-Job Briefings
- Stop When Things are Different than Planned
- Maintain Effective Supervision In the Field
- Rollup Lessons Learned and Feedback at the End of Every Day
- Schedule is Important, but Nothing is More Important Than Finishing the Work Safely

Questions and Answers