



GROUNDWATER PROTECTION PROGRAM

Meeting Minutes Cover Sheet

Please find attached the Open Meeting Minutes from the Groundwater Protection Program of November 4, 2002.

If you have any comments or changes to these minutes, please reply to this email and your comments will be incorporated into the next meeting minutes.



GROUNDWATER PROTECTION PROGRAM

Meeting Minutes

SUBJECT GROUNDWATER PROTECTION PROGRAM MEETING - NOVEMBER 4, 2002

TO Distribution

FROM Dick Wilde, Groundwater Protection Program Manager

DATE November 20, 2002

ATTENDEES

See Attached List

DISTRIBUTION

Attendees
Groundwater Protection Program Distribution List

NEXT GROUNDWATER PROTECTION PROGRAM OPEN MEETING:

Next Meeting: Monday, December 7, 2002 – 1-3 p.m.

Location: 1200 Jadwin, Conference Room 1C1

Local Call-In Number: (509) 376-7411

Toll Free Call-In Number: (800) 664-0771

MEETING MINUTES

A Groundwater Protection Program (GPP) Open Meeting was held on November 4, 2002, at 1200 Jadwin, Conference Room 1C1, Richland, Washington.

WELCOME (John Morse)

John Morse welcomed the group in place of Dick Wilde, who was unable to attend the meeting.

FUNCTION OF THE INTERSTATE TECHNOLOGICAL REGULATORY COUNCIL AND SAMPLING CHARACTERIZATION AND MONITORING TEAM (Dib Goswami/Stu Nagourney/Deana Crumbling)

The presentation on the Interstate Technological Regulatory Council (ITRC) was completed with the help of Stu Nagourney and Deana Crumbling. The ITRC is a state-led national coalition of regulators and others working to improve state permitting processes and speed implementation of new environmental technologies. Representatives from industry, academia, federal agencies, and state organizations, and public stakeholders participate. ITRC products and services include regulatory and technical guidelines,

technology overviews, case studies, peer exchanges, technology advocates, classroom training courses, and internet-based training sessions.

The Sampling Characterization and Monitoring Team (ScaM) addresses innovations and paradigm shifts in sampling and monitoring related to real-time information, continuous monitoring, and monitoring for site closure and long-term stewardship. Members are from U.S. Environmental Protection Agency (EPA), U.S. Department of Defense (DOD), U.S. Department of Energy (DOE), academia, and industry.

The ITRC's mission is a state-led, national coalition of regulators and others working to improve state permitting processes and speed implementation of new environmental technologies.

Deana Crumbling presented information on the triad data model developed by the ScaM team. The triad model provides flexibility, improves the quality of data and decision-making, and saves time and money. The key theme of the triad model is managing uncertainty. The triad uses the same concept as the Data Quality Objective (DQO) process but goes beyond the DQO method. For more specific information on the presentation, please refer to the handout, which is available upon request.

PROGRAM UPDATES

Science and Technology (Mark Freshley)

Twelve copies of the updated Science and Technology (S&T) roadmap on CD were available at the meeting, and the CD will be mailed to those on the distribution list. The update includes information from the workshops earlier this year and incorporates the geotechnical element. The roadmap is a living document used to manage our work and will be updated in the future; comments are welcome. Data and transport aspects that could be improved have been identified and form the basis of fiscal year 2003 (FY03) planning.

Drilling (Ron Jackson/Bruce Ford)

The wells at Hanford are needed for soil or groundwater characterization and groundwater monitoring. Two programs were discussed – the FY03 drilling campaign and the Resource Conservation and Recovery Act of 1976 (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) drilling progress (see attachment 2).

In fiscal year 2002 (FY02), four RCRA/CERCLA wells were planned. The two RCRA wells have been completed, and work should start on the two CERCLA wells next week and completed by mid-December.

RL and regulators, in the C3T RCRA/CERCLA drilling integration meetings, have identified a tentative list of approximately 19 RCRA or CERCLA wells to be drilled in calendar year 2003. The drilling progress table will be revised to reflect the new drilling campaign based on the C3T. The well drilling program will be integrated with the 200 Area remedial actions. The 200 Area remedial action scope may include three boreholes at PW-1 representative sites, one borehole at PW-2 drive casing 6, five boreholes at PW-2, and three boreholes at CS-1.

Applied Research Associates, Inc. (ARA) tested the Enhanced Access Penetration System (EAPS) method last week. This system reached a total depth of approximately 200 ft. Groundwater was encountered at a depth of about 190 ft. ARA will provide a report and then there will be a decision as to whether we go to Phase II – testing within the 200 Area. The EAPS method will provide more data points cheaply and this will reduce drilling costs.

At 200-PW-2 we'll be characterizing six waste sites. There will be six direct pushes in one of the waste sites. Drilling will begin in mid-January at the S-10 Pond and Ditch in the 200-CS-1 area. At 200-PW-1 and PW-2, we will be doing sampling and wrap around science for Science and Technology.

100-H Area Pump and Treat (Bill McMahon)

An overview of 100 H Area and the pump-and-treat system operating there was distributed at the meeting. (Handout available upon request.)

100-HR-3 and 100-KR-4 Operable Unit pump-and-treat systems operate under a Record of Decision (ROD) signed in 1996. Protection of the Columbia River and the aquatic receptors is the objective of these operations. They are located along the river to protect river water quality near the shoreline.

Tank Waste Remedial Investigation (Bruce Ford)

Tri-Party Agreement (TPA) milestone M-15-41B to deliver a regulator review copy of the Remedial Investigation report was due by the end of October. That report was issued October 23, 2002, and covers the investigation conducted last year on representative waste sites within the tank waste and scavenged waste operable units. The purpose of the report is to bring to a close the remediation investigation. The Feasibility Study now will begin.

ECOLOGY UPDATE (Dib Goswami)

Phytoremediation – The Science and Technology program issued a call for proposals for studies to support phytoremediation.

UPCOMING EVENTS

The calendar was reviewed.

NOTES:

The Groundwater Protection Program web site is operational and the URL is <http://www.hanford.gov/cp/gpp>

Please contact Barbara Howard (509-373-3871), Alison Bryan (509-373-4456), or Shelley Switzer (509) 373-3847 if you have questions or comments.

ATTACHMENTS:

- 1) Groundwater Protection Program Two-Month Look Ahead Calendar

ATTENDEES:

Marty Bensky – HAB

Jane Borghese – FH

Bob Bryce – PNNL

Alison Bryan - FH

Don Clark – DEC Enterprises

Carl Connell – FH

Deana Crumbly – EPA (by phone)

Dennis Faulk – EPA

Dale Fluck – Argonne National Laboratory (by phone)

Bruce Ford – FH

Mark Freshley – PNNL

Dib Goswami – Ecology

Edye Jenkins – GPP

Bob Johnson – Argonne National Laboratory

Tony Knepp – CHG

Sandra Lilligren – Nez Perce

Doug Maddox – DOE-HQ (by phone)

Fred Mann – CHG

Rick McCain – SMSTO

Bill McMahan – CHG

John Morse – DOE-RL

Stu Nagourney – New Jersey Department of Environmental Protection (by phone)

Tom Page – PNNL

Bob Raidl – FH

Ted Repasky – CTUIR

Gordon Rogers – HAB

Sue Safford – Oregon Office of Energy (by phone)

Tom Stoops – Oregon Office of Energy (by phone)

Craig Swanson – FH

Bill Thackaberry – FH

Mike Thompson – DOE-RL

GROUNDWATER PROTECTION PROGRAM CALENDAR
September 2002 to December 2002
FOUR-MONTH LOOK AHEAD CALENDAR

October 7	Groundwater Protection Program Open Meeting (1-3 p.m., Richland, WA)
October 16	Ecology Groundwater Meeting (1:30 p.m., Kennewick, WA)
November 4	Groundwater Protection Program Open Meeting (1-3 p.m., Richland, WA)
November 7-8	HAB Meeting (Tri-Cities, WA)
November 20	Ecology Groundwater Meeting (1:30 p.m., Kennewick, WA)
December 2	Groundwater Protection Program Open Meeting (1-3 p.m., Richland, WA)
December 5-6	HAB Meeting (Radisson Hotel, Portland, OR)
December 18	Ecology Groundwater Meeting (1:30 p.m., Kennewick, WA)