

# U.S. EPA TECHNICAL SUPPORT PROJECT BIANNUAL MEETING AGENDA

November 5-8, 2007  
Las Vegas, Nevada



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Technical Support Project

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## TECHNICAL SUPPORT PROJECT CO-CHAIRS

### Federal Facilities Forum:

• Paul Ingrisano, Region 2 • Michael Overbay, Region 6 • Jim Kiefer, Region 8

### Ground-Water Forum:

Luanne Vanderpool, Region 5 • Glenn Bruck, Region 9

### Engineering Forum:

Jon Bornholm, Region 4 • Gary Miller, Region 6 • Michael Gill, Region 9

## MONDAY, November 5, 2007

### GROUND WATER FORUM BUSINESS SESSION

Executive Center Auditorium

8:00 am - 8:15 am	Welcome and Introductions, <i>Co-chairs Glenn Bruck (Region 9) and Luanne Vanderpool (Region 5)</i>
8:15 am - 10:00 am	Action items/Work Groups Status Update/Potential New Projects, <i>Co-chairs Glenn Bruck (Region 9) and Luanne Vanderpool (Region 5)</i>
10:00 am - 10:15 am	BREAK
10:15 am - 10:30 am	Issues with Long-Term Effectiveness and Protectiveness of Ground-Water Remedies, <i>Howard Orlean (Region 10)</i>
10:30 am - 10:45 am	Recommendations from 5-Year Review Work Group
10:45 am - 11:15 am	Discussion on Potential Actions, <i>Co-chairs Glenn Bruck (Region 9) and Luanne Vanderpool (Region 5)</i>
11:15 am - 12:00 pm	Status Update on the Technical Support Center in Ada, OK, <i>Dave Burden (NRMRL-Ada)</i>

12:00 pm - 1:30 pm **LUNCH**

### GROUND WATER FORUM BUSINESS SESSION (continued)

1:30 pm - 2:15 pm	Fractured Rock Conference Presentation - Research on Fate, Transport and Remediation of Chlorinated Solvents in Fractured Sedimentary Rock at the Former Naval Air Warfare Center, West Trenton, NJ, <i>Clair Tiedeman (USGS)</i>
2:15 pm - 2:45 pm	Questions and Answers
2:45 pm - 3:00 pm	BREAK
3:00 pm - 3:45 pm	Regional Feedback on the Fractured Rock Conference, <i>Forum members</i>
3:45 pm - 4:15 pm	Regional Case Study – Full-Scale Treatment of a DNAPL Source Zone through Injection of Food-Grade Vegetable Oil, <i>Henning Larsen (Oregon DEQ)</i>
4:15 pm - 5:00 pm	Roundtable discussion with the audience on the presentations and case study, <i>facilitated by Luanne Vanderpool (Region 5) and Glenn Bruck (Region 9) facilitators</i>

## TUESDAY, November 6, 2007

### PLENARY SESSION: Presentations from the National Exposure Research Laboratory (NERL) - Las Vegas Executive Center Auditorium

8:15 am - 8:25 am	Welcome, <i>Daniel Heggem (Director, NERL-Environmental Sciences Division [ESD])</i>
8:25 am - 8:35 am	Welcome, <i>John Reeder, Director, Federal Facilities Restoration and Reuse Office</i>
8:35 am - 9:00 am	Overview of Fractured Rock Technical Support Available from USGS <i>Claire Tiedeman (USGS)</i> and <i>Kathy Davies (Region 3)</i> —tentative
9:00 am - 9:15 am	Overview of the ESD-Las Vegas ( <i>Daniel Heggem, Division Director, NERL-ESD</i> )
9:15 am - 9:25 am	Technical Support Center Transition, <i>Brian Schumacher (ESD)</i>
9:25 am - 9:50 am	Geophysics to Monitor Remediation, <i>Dale Werkema (ESD)</i>
9:50 am - 10:15 am	Vacuum Distillation: An EPA Method that Expands the Number of Volatiles that Can be Analyzed, Especially in Difficult Matrices, <i>Michael Hiatt (NERL-Environmental Chem. Br.)</i>
10:15 am - 10:25 am	BREAK
10:25 am - 10:50 am	Thermal Multispectral Detection of Industrial Chemicals, <i>David Williams (NERL-Landscape Characterization Branch-Research Triangle Park)</i> via video link
10:50 am - 11:15 am	GIS and Logistics Regression for Predicting Nutrients and Pesticides in Streams, <i>Ann Pitchford (NERL-Landscape Ecology Branch)</i>
11:15 am - 12:00 pm	Tour of ESD, <i>George Brilis (ESD)</i>

12:00 pm - 1:30 pm **LUNCH**

### FORUM BUSINESS SESSIONS

<b>Ground Water</b> Executive Center Auditorium	<b>Engineering</b> Executive Center Conference Room	<b>Federal Facilities</b> QAL Conference Room
<p>1:30 pm - 2:15 pm Environmental Geophysics Overview, <i>Dale Werkema (NERL-Las Vegas)</i></p> <p>2:15 pm - 2:30 pm Purpose of Session, Review of GWF Mission Statement, <i>Co-chairs</i></p> <p>2:30 pm - 3:15 pm Discuss GWF Goals for Future, <i>All</i></p> <p>3:15 pm - 3:30 pm BREAK</p> <p>3:30 pm - 4:30 pm (<i>continued</i>) Discuss GWF Goals for Future, <i>All</i></p> <p>4:30 pm - 5:30 pm Discuss consequences of 1 meeting/year and ways to maintain 2<sup>nd</sup> meeting, <i>All</i></p> <p>5:30 pm - 6:00 pm Discuss Working with Other Forums, <i>All</i></p>	<p>1:30 pm - 3:30 pm Green remediation as future direction for the Engineering Forum (½ hr)</p> <p>Prepare Co-chairs' presentation for November 7<sup>th</sup> Plenary Session</p> <ul style="list-style-type: none"> <li>• Dry run presentation (½ hr)</li> <li>• Get input/feedback (½ hr)</li> <li>• Finalize presentation (½ hr)</li> </ul> <p>3:30 pm - 5:30 pm Plan PRB Roundtable for 2008 NARPM</p> <ul style="list-style-type: none"> <li>• Brainstorm for presentation approaches and identify potential presenters and panel members, identify potential case studies, products, or outcome of the roundtable (1 hr)</li> <li>• Review ideas and goals from brainstorming (½ hr)</li> <li>• Consolidate above efforts (½ hr)</li> </ul>	<p>1:30 pm - 5:30 pm</p> <ul style="list-style-type: none"> <li>• Introductions</li> <li>• Updates with John Reeder, Director, FFRRO</li> <li>• Identify topics for Federal Facilities Leadership Council (FFLC) coordination</li> <li>• Should Federal Facility Forum fall meetings with be with the TSP or FFLC?</li> <li>• Regional issues</li> </ul>

## WEDNESDAY, November 7, 2007

<b>PLENARY SESSION: Forum Business</b> Executive Center Auditorium		
8:00 am - 8:15 am	Welcome & Introductions, <i>Mike Overbay (Co-chair Federal Facilities Forum)</i>	
8:15 am - 9:15 am	Future of the TSP Forums, <i>Norm Niedergang (Director, TIFSD) and John Reeder (Director, FFRRO)</i>	
9:15 am - 9:35 am	Engineering Forum Update, <i>Mike Gill (Co-chair, Region 9) 15</i>	
9:35 am - 9:55 am	Federal Facilities Forum Update, <i>Mike Overbay (Co-chair, Region 6) 15</i>	
9:55 am - 10:15 am	Ground Water Forum Update, <i>Luanne Vanderpool (Co-chair, Region 5) 15</i>	
10:15 am - 10:30 am	BREAK	
10:30 am - 12:00 pm	Facilitated Joint Discussion <ul style="list-style-type: none"><li>What are the impacts of one meeting per year at NARPM?</li><li>Can the TSP forums be more efficient?</li><li>Future of TSP</li></ul>	
12:00 pm - 1:30 pm	<b>LUNCH</b>	
<b>FORUM BUSINESS SESSIONS</b>		
<b>Ground Water, Engineering, and Federal Facilities</b> Executive Center Auditorium		
1:30 pm - 2:30 pm Ground Water/Surface Water Interactions and Perchlorate Transport along the Las Vegas Wash, Henderson, Nevada <i>Brian Giroux (McGinley &amp; Associates, Inc.), Paul Hackenberry (Hackenberry Associates, LLC), and Greg Pohll, Desert Research Institute)</i>		
<b>Ground Water and Engineering</b> Executive Center Auditorium		<b>Federal Facilities</b> QAL Conference Room
2:30 pm - 3:30 pm Technical Impracticability Waivers, <i>Matt Charsky and David Bartenfelder (OSRTI)</i>		2:30 pm - 5:00 pm Meet with Idaho National Laboratory representatives about the Explosives at Contaminated Sites Issue Paper
3:30 pm - 3:45 pm BREAK		
3:45 pm - 4:45 pm Technical Impracticability Waivers (continued), <i>Matt Charsky and David Bartenfelder (OSRTI)</i>		
<b>Ground Water</b> Executive Center Auditorium	<b>Engineering</b> Executive Center Conference Room	
4:45 pm - 5:15 pm Karst/Army/DNAPL TI Waiver Case Study—What worked and what did not <i>Kay Wischkaemper (Region 4)</i>	4:00 pm - 5:30 pm Evergreen List including issue paper updates <ul style="list-style-type: none"><li>Materials Handling Equipment</li><li>In-Situ Chemical Oxidation</li><li>Oxygenates</li><li>Evapotranspiration Covers</li><li>In-Situ Thermal Treatment</li></ul>	
5:15 pm - 5:45 pm TI Waiver Case Study, <i>Herb Levine (Region 9)</i>		

## THURSDAY, November 8, 2007

FIELD TRIP		GROUND WATER FORUM BUSINESS SESSION Executive Center Auditorium	
7:45 am	Assemble in front of hotel and load bus	8:00 am - 8:40 am	Webpage and QuickPlace, <i>Howard Orelan (Region 10)</i>
8:00 am	Depart hotel	8:40 am - 9:00 am	Working with the Interstate Technology & and Regulatory Council (ITRC), <i>Co-chairs</i>
8:30 am	Arrive AMPAC facility and begin tour	9:00 am -10:00 am	Spring 2008 meeting: theme, tech. topics, case studies, training
9:30 am	Depart AMPAC for bus tour	10:00 am - 10:15 am	BREAK
10:30 am	Arrive Las Vegas Wash Erosion Control System Site	10:15 am - 11:00 am	Potential new projects: Triad, Stable Isotopes, Others? <i>Co-chairs</i>
11:30 am	Depart for hotel	11:00 am - 11:30 am	Summary and Recap of Action Items, <i>Co-chairs</i>
		11:30 am - 12:00 pm	Sensors: A New Way to Collect Data for Environmental Decision-Making, <i>Elizabeth Conroy (ITRC New Jersey Schools Development Authority)</i>
12:00 pm - 1:30 pm <b>LUNCH</b>			
FORUM BUSINESS SESSIONS			
Federal Facilities QAL Conference Room		Ground Water and Engineering Executive Center Auditorium	
<ul style="list-style-type: none"> <li>Site Investigations in the Military Munitions Response Program (MMRP): Policy and Technical Issues</li> <li>Training at NARPM 2008 conference</li> <li>National training on munitions site investigations</li> <li>Underwater Munitions</li> <li>Open Topics and Parking Lot</li> </ul>		1:30 pm - 3:15 pm Mass Flux Seminar, <i>Lynn Wood and Michael Brooks (GWERD-Ada)</i>	
		3:15 pm - 3:30 pm BREAK	
		<b>Ground Water</b> Executive Center Auditorium	<b>Engineering</b> Executive Center Conference Room
		3:30 pm - 4:00 pm Mass Flux Case Study <i>Lynn Wood and Michael Brooks (GWERD-Ada)</i>	3:45 pm - 5:30 pm Future EPA Contracting Strategies: Performance/Fixed-Price Based vs. Current Contracting Strategies, <i>Marie Noel (Region 7)</i>
		4:00 pm - 4:15 pm Seminar Feedback, <i>Forum members</i>	
		4:15 pm - 4:30 pm Reprise NAPL delineation with TarGost at the Manufactured Gas Plant Superfund, Vermont, <i>Steve Mangion (Region 1 STL)</i>	