Acknowledgements

• Doug Grosse, ORD
• Diana Bless, ORD
• Shahid Mahmud, OSWER
• Michele Mahoney, OSWER
• Barbara Butler, ORD
• Steve Hoffman, OSWER
• Rob Weber, Region 7
• Carol Russell, Region 8
• Jim Hanley, Region 8

• Greg Gervais, OSWER
• John McKernan, ORD
• Jim Lazorchak, ORD
• John Hillenbrand, Region 9
• Mark Purcell, Region 6
• Steven McDonald, USDA Forest Service
• Roger Yeardley, ORD
• Alina Martin, Leidos
• Mark Doolan, Region 8
Estimate of Mining Sites in the USA
ORD’s Mining Programs

• Mine Waste Technology Program (closed)
• Engineering Technical Support Center
• Technology Transfer Program
Collaboration

- EPA Program & Regional Offices (focus: OSWER and the Regions)
- NRMRL/ORD
- Industry Partners
- States and Tribes
- Western Governors Association
- Academia
- BLM/Forest Service
- DOE/DOD
- USGS
NRMRL Engineering Technical Support Center (ETSC)

• Constructed Wetlands
• Bioremediation
• MIW Treatment Processes
• Liquid/Solid Partitioning
• Electrolytic Processes
• Sequestration
• Capping
ORD Technology Transfer and Outreach

1993-2006 Mine Operations, Design, and Closure Conferences, Various
1998 Heavy Metals Contamination Workshop – 150
1998 Mining Workshop, Denver, CO - 300
1999 Heavy Metals Contamination Workshop -180
1999 Pit Lakes Workshop, Reno, NV - 240
2000 Mercury Workshop, San Francisco, CA – 275
2001 Arsenic Workshop, Denver, CO – 70
2002 Hard Rock Mining Conference, Denver, CO – 375
2003 Mining Impacted Native American Lands, Reno, NV – 275
2004 Pit Lakes, Reno, NV – 250
2005 Abandoned Mine Lands Workshop – 100
2006 Hard Rock Mining Conference – 350
2007 Abandoned Mine Lands Workshop – Coeur d’Alene, Idaho - 100
2012 Hardrock Mining: Advancing Solutions New Legacy, Denver, CO - 420
Current ETSC Activities

- Tri-State Mining District – Modeling Research with SWAT and Geospatial Tools, R7
- Bristol Bay Risk Assessment, the Pebble Deposit, NCEA, Under Review, R10
- Black Butte Mine, Cottage Grove, Hg Methylation in Reservoir Sampling, R10
- Formosa Mine, RARE Proposal Review on Biochar & Soil Remediation, R10
- Gegebic Taconite Mine Site, Tribal Area, WI, Sampling Plan and QAPP Review, R5
- Midnite Mine, Summary of Groundwater Treatment Technologies for Thallium, R10
- Lead Site in Southeastern NY, Size-Segregate Waste Rock to Limit Pb Leach, R2
- Federal Mine, Park Hills, MO, Review of Site Construction Plans, R8
- Bunker Hill, Smelterville, ID, Lime Slurry Treatment System On-site, R10
- Newtown County Mine Tailings, Remote Sensing and Geophysical Techniques, R7
- Anaconda Mine, Characterization of Uranium and Arsenic in Groundwater, R9
- Blue Ledge Mine, Construction and Piloting of BCRs for Treatment of MIW, R9
- Southwest Jefferson County Mining, Review of Design Drawings, R7
Potential ETSC Mining Technical Assistance:

- Upper Tenmile creek (PJK and Luttrell) near Helena, MT
- Barker-Hughesville (near Great Falls, MT)
- Carpenter Snow Creek (near Great Falls, MT)
- Crystal Mine near Basin, MT
- Callahan Mine, R1
- Buena Vista Mine Site, R9
- KBV Mines, R9
### 2014 Registration by Affiliation

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<th>Affiliation Type</th>
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**Total:** 284 100%
U.S. EPA MIW 2014 Conference Agenda

Tuesday, August 12th
- Plenary
- Characterization
- Source Control & Mine Closure
- Poster Session

Wednesday, August 13th
- Characterization (Continued)
- Water Treatment
- Source Control & Mine Closure (Continued)

Thursday, August 14th
- Beneficial Use
- Prediction & Modeling
- Panel Discussion
- Field Trip to the Nacimiento Copper Mine (Attendance limited)
Session Chairs

- Plenary Session – Doug Grosse, EPA/ORD (part 1) and Diana Bless, EPA/ORD (part 2)
- Session 1: Characterization – Carol Russell, EPA Region 8
- Session 2: Source Control/Mine Closure Approaches – Shahid Mahmud, EPA/OSWER
- Session 3: Characterization – Krista McKim, EPA Region 5
- Session 4: Source Control/Mine Closure Approaches – John Hillenbrand, EPA Region 9
- Session 5: Characterization – James Sickles, EPA Region 9
- Session 6: Water Treatment – James Hanley, EPA Region 8
- Session 7: Characterization – Mark Purcell, EPA Region 6
- Session 8: Water Treatment – Gary Riley, EPA Region 9
- Session 9: Source Control/Mine Closure Approaches – Stephen Hoffman, EPA/OSWER
- Session 10: Water Treatment – Joy Jenkins, EPA Region 8
- Session 11: Source Control/Mine Closure Approaches – Carter Jessup, EPA Region 9
- Session 12: Water Treatment – Michele Mahoney, EPA/OSWER
- Session 13: Beneficial Use – Scott Jacobs, EPA/ORD
- Session 14: Prediction and Modeling – Rob Weber, EPA/ORD
- Session 15: Panel Discussion – Doug Grosse, EPA/ORD
U.S. EPA Websites:

EPA’s Abandoned Mine Lands Program: www.cluin.org/mining

ORD’s Engineering Technical Support Center http://www.epa.gov/nrmrl/lrpcd/etsc

NRMRL: www.epa.gov/nrmrl