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<td>Aeration Treatment Systems</td>
<td>MIW</td>
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<td>Backfilling and Subaqueous Disposal</td>
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<td>• Hume Mine, MO&lt;br&gt;• Cottonwood Creek Mine, MO&lt;br&gt;• Valzinco Mine, VA&lt;br&gt;• Copper Basin, TN&lt;br&gt;• Tar Creek Superfund Site, OK&lt;br&gt;• McNeely Green Reclamation, OK&lt;br&gt;• Bark Camp, PA&lt;br&gt;• Central City/Clear Creek Superfund Site, National Tunnel, CO</td>
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<td>Biochemical Reactors</td>
<td>MIW</td>
<td>• Leviathan Mine, CA&lt;br&gt;• Golinsky Mine, CA&lt;br&gt;• Stowell Mine, CA&lt;br&gt;• Copper Basin, TN&lt;br&gt;• Central City/Clear Creek Superfund Site, CO&lt;br&gt;• Alpine Co., California 1 &amp; 2</td>
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| **Capping, Covers, and Grading** | MSW | • Annapolis Lead Mine, MO  
• Big River mine Site, MO  
• Dunka Mine, MN  
• Gribbons Basin, MT  
• Horse Heaven, OR  
• Iron Mountain Mine, CA  
• Kerramerican, ME  
• Magmont Mine Site, MO  
• Orono-Dunweg, Mo  
• Valzinco Mine, VA  
• Copper Basin, TN  
• Bark Camp, PA  
• Cottonwood Creek, MO  
• Ely Copper Mine, VT  
• Hume Mine, Mo  
• I-99 Remediation, PA  
• Lava Cap Mine, NV  
• Ohio Numerous Coal mine Sites, OH  
• McNeely Green, OK  
• Stull Yard, ID  
• Tecumseh, AM Site 262, IN |
| **Chemical Precipitation** | MIW | • Multiple Ohio sites  
• Copper Basin Mining- Lower Potato TN  
• I-99 Remediation, PA  
• Iron Mountain Mine (Copper), CA  
• Leviathan Mines, CA  
• Fire Road Mine, New Brunswick, Canada  
• Copper Basin of TN  
• Unnamed Site, Alpine CA  
• Sunshine Mine, ID  
• Inactive Copper Mine, VT  
• Zortman Landusky–Swift Gulch Site, MT  
• Wellington-Oro Water Treatment Plant  
• Lava Cap Mine, CA  
• Toby Creek, PA  
• Friendship Hill, PA  
• Argo Tunnel, CO  
• Cement Creek, CO  
• American Tunnel, CO  
• Confidential, Gold/Silver Mine, CO |
| **Chemical Stabilization Phosphate and Biosolids Treatment** | SMW | • Orono-Dunweg, MO  
• Ore Hill Mine, NH |
| Constructed Treatment Wetland | MIW | • Bark Camp, PA  
• Commerce/Mayer, OK  
• Copper Basin, TN  
• Dunka Mine, MN  
• Keystone, CA  
• Hartshorne/Whitlock, OK  
• Ohio Multiple Sites  
• Tecumseh, AML Site 262, IN  
• Valzinco Mine, VA |
| Diversionary Structures | MIW | • Leviathan Mine, CA  
• Copper Hill  
• Bingham Canyon Mine  
• Stowell Mine, CA  
• Tar Creek, OK |
| Electronic Coagulation | MIW | • Hydro-met LLC, SD |
| Electrokinetics | SMW | • Electrokinetic Remediation at Alameda Point, Alameda California - http://costperformance.org/profile.cfm?ID=5&CaseID=5  
• Electrokinetic Extraction at the Unlined Chromic Acid Pit, Sandia National Laboratories, New Mexico - http://costperformance.org/profile.cfm?ID=246&CaseID=246  
• Electrokinetics at Site 5, Naval Air Weapons Station Point Mugu, California - http://costperformance.org/profile.cfm?ID=189&CaseID=189  
• In Situ Electrokinetics Remediation at the Naval Air Weapons Station, point Mugu, California - http://costperformance.org/profile.cfm?ID=188&CaseID=188 |
| Excavation and Disposal of Solid Mining Waste | SMW | • Annapolis Lead Mine, MO  
• Lava Cap Mine, NV  
• Potosi Area, MS  
• Shiny Rock Mine, WA  
• Valzinco Mine, VA |
| In Situ Biological Treatment | MIW & SMW | • Sequatchie Valley Coal Mine, TN |
| In Situ Treatment of Mine Pools and Pit Lakes | MIW | • Red Oak Coal Mine, OK |
| Ion Exchange | MIW | • Soudan Mine, MN |
| Microbial Mats          | MIW   | • Fort Hood, TX  
|                       |       | • Tennessee Valley Authority, AL |
| Passivation Technologies | SMW   | • Golden Sunlight Mine, MT |
| Permeable Reactive Barrier Systems | MIW   | • [ITRC PRB-4, 2005](http://www.kemron.com/Documents/Hard%20Rock%20Presentation.ppt#315,1,Slide) - Nickel Rim Mine Site, Sudbury, Ontario, Canada  
|                       |       | • [ITRC PRB-4, 2005](http://www.kemron.com/Documents/Hard%20Rock%20Presentation.ppt#315,1,Slide) - Monticello Mill Tailings Site, Monticello, Utah  
|                       |       | • Permeable Reactive Wall Treatment of Acid Mine leachate at the Basin Luttrell Pit, Ten Mile Creek Site, Lewis and Clark County, Montana, Robert Semenak, Kemron; Kinghan, N., Kemron; Powell, G., USEPA; Way, S., USEPA 1  
| Phytotechnologies      | MIW & MSW | • Ely Copper Mine, VT, phytosequestration  
|                       |       | • Kerramerican NPL, ME, phytohydraulics  
|                       |       | • Magmont Mine, MO, phytosequestration  
|                       |       | • Black Butte Mercury Mine, OR, phytosequestration  
|                       |       | • Gribbons Basin, MI, phytosequestration, phytohydraulics  
|                       |       | • Valzinco Mine, VA, phytosequestration  
|                       |       | • Copper Basin, TN, phytosequestration  
|                       |       | • Sequatchie Valley Coal Mine, TN, phytosequestration, phytohydraulics  
|                       |       | • Bark Camp, PA, phytosequestration, phytohydraulics  
|                       |       | • Annapolis Lead Mine Site, MO, phytosequestration  
|                       |       | • UP Mines, MI, phytosequestration  
|                       |       | • Boston Mill, Cochise County, AZ  
| Pressure Driven Membrane Separation Technologies | MIW   | • Bingham Canyon Mine Ground Water Project, Zone A Sulfate Plume, Kennecott South Zone, Copperton UT  
|                       |       | • Pennsylvania Coal Mine, Southwest  
| Re-Use and Reprocess (R²) Technologies | MIW & SMW | • Tar Creek (Operable Unit 4)  
|                       |       | • Potosi Mine, MO |