



**Massachusetts Department of Environmental Protection - Drinking Water Program**

**NEW TECHNOLOGY APPROVED FOR USE IN MASSACHUSETTS**

Contact : Frank R. Niles (617) 574-6871  
 Updated: January 22, 2014

*The following table contains a list of technologies that has been approved for use in Massachusetts. Electing to use any of these technologies will avoid the need for further New Technology approval. However, regional piloting may still be required. If you elect to use any of these technologies, please contact the appropriate regional office below. Please contact Frank Niles if you are requesting approval for a New Technology not on this list.*

|  |  |  |   |
|--|--|--|---|
| MADEP Northeast Region (NERO)<br>Drinking Water Program<br>205B Lowell Street<br>Wilmington, MA 01887<br>Att: Hilary Jean or Nick Zessoules<br><br>Tele. No.: (978) 694-3230 | MADEP Southeast Region (SERO)<br>Drinking Water Program<br>20 Riverside Drive<br>Lakeville, MA 02347<br>Att: Mike Quink<br><br>Tele. No.: (508) 946-2766 | MADEP Central Region (CERO)<br>Drinking Water Program<br>627 Main Street<br>Worcester, MA 01608<br>Att: Eugene Brunelle<br><br>Tele. No.: (508) 767 2710 | MADEP Western Region (WERO)<br>Drinking Water Program<br>436 Dwight Street<br>Springfield, MA 01103<br>Att: Mike McGrath<br><br>Tele. No.: (413) 755-2202 |
|--|--|--|---|

**NEW TECHNOLOGIES APPROVED BY DEP/DWP**

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>  | <b>Purpose of Technology</b>                       | <b>Trade Name</b> | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|---|--|-------------------|--------------------------------|----------------|---------------------------|
| DEP/DWP         | 4/7/97               | Filtronics<br><a href="http://www.filtronics.com/">http://www.filtronics.com/</a>                       | Iron and Manganese removal                         | Electromedia 1    | Daniel Adner                   | (617) 969 1149 | Iron & Manganese removal  |
| DEP/DWP         | 2/1/97               | WesTech Engineering<br><a href="http://www.westech-inc.com/">http://www.westech-inc.com/</a>            | Adsorption /clarification                          | Trident system    | David Lucey                    | (413) 813-9782 | Clarification             |
| DEP/DWP         | 8/7/97               | F.B. Leopold<br><a href="http://www.fbleopold.com/Co">www.fbleopold.com/Co</a>                          | Clarification process for suspended solid removal. | Leopold-DAF       | Andrew Aedes                   | (412) 453-2093 | Clarification             |
| DEP/DWP         | 1/3/92               | Infilto Degremont<br><a href="http://www.degremont-technologies.com">www.degremont-technologies.com</a> | Water filtration Unit                              | Advent            | Rick Jaccarino                 | (804) 756 7667 | Filtration                |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>  | <b>Purpose of Technology</b>                                | <b>Trade Name</b>        | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|---|---|--------------------------|--------------------------------|----------------|---------------------------|
| DEP/DEP         | 08/23/00             | Tnemec Co.<br><a href="http://www.tnemec.com/">www.tnemec.com/</a>                                  | Coating for storage tank and distribution system.           | Pota_Pox Series          | Willy Peterson                 | (816) 474-3400 | Coating                   |
| DEP/DWP         | 11/26/90             | Rochester Midland Corp.<br><a href="http://www.rochestermidland.com/">www.rochestermidland.com/</a> | Cationic coagulant  | Midflow PW 1303L         | Ed Woodwick                    | (716) 467-4406 | Coagulant                 |
| DEP/DWP         | 3/25/91              | Themec Co.<br><a href="http://www.tnemec.com/">www.tnemec.com/</a>                                  | Pipe Coating used as a corrosion control inhibitor          | <b>Series 20 Potapox</b> | Kevin Settles                  | (816) 474-3400 | Coating                   |
| DEP/DWP         | 8/29/91              | Cook Paint and Varnish Co.  | Epoxy coating for lining water tanks/pipes                  | Cook Paint Epicon-925    | Glenn Fowler                   | (816) 391-6000 | Coating                   |
| DEP/DWP         | 3/13/92              | Water Solutions consultants<br><a href="http://www.h2osolutions.com/">www.h2osolutions.com/</a>     | Sequester (tie up) iron and manganese for corrosion control | <b>Aqua Mag</b>          | William Cornish                | (508) 758-6126 | Sequester                 |
| DEP/DWP         | 3/17/92              | Aqua Smart<br><a href="http://www.aquasmart.com/">www.aquasmart.com/</a>                            | Sequester Metals. A corrosion control agent.                | <b>Seaquest</b>          | Grossblatt                     | (404) 696-4406 | Sequester                 |
| DEP/DWP         | 12/03/92             | WesTech Engineering<br><a href="http://www.westech-inc.com/">http://www.westech-inc.com/</a>        | Pressure filtration   | Multitech systems        | David Lucey                    | (413) 813-9782 | Filtration                |
| DEP/DWP         | 8/4/93               | Calciquest Inc.   | Corrosion control chemical                                  | <b>Calciquest</b>        | John Walsh                     | (704) 394-9871 | Corrosion Control         |
| DEP/DWP         | 9/9/93               | Venturi Aeration Inc.<br><a href="http://www.venturi-aeration.com/">www.venturi-aeration.com/</a>   | Carbon dioxide removal, pH increase and corrosion control.  | Venturi Aerator          | Gary Smith                     | (603) 635-8239 | Voc -off gas              |
| DEP/DWP         | 9/29/93              | American Chemical Co.   | Epoxy coating for potable water pipes.                      | Aquata Coating           | Jeffrey Bruhn                  | (314) 664-2403 | Coating                   |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>                                | <b>Trade Name</b>   | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|--|---|---|--------------------------------|----------------|---------------------------|
| DEP/DWP         | 11/15/93             | JPS Elastomers<br><a href="http://jpselastomers.lookchem.com/">http://jpselastomers.lookchem.com/</a>  | Geomembrane for coating potable water pipes                 | JPS Elastomers  | Janice Hall                    | (413)-586-8750 | Coating                   |
| DEP/DWP         | 7/16/94              | CIM Industries<br><a href="http://www.chasecorp.com/">http://www.chasecorp.com/</a>  | Coating for surfaces in contact with water.                 | CIM 1061 & CIM Trowel grade                               | Joseph Borges                  | (603) 924-9481 | Coating                   |
| DEP/DWP         | 8/8/94               | Purac Engineering<br><a href="http://www.corporationwiki.com/Delaware/Wilmington/purac-engineering-incorporated-2265058.aspx">http://www.corporationwiki.com/Delaware/Wilmington/purac-engineering-incorporated-2265058.aspx</a> | Removal of suspended solids by air floatation of particles. | PURAC   | Thomas Grubb                   | (302) 239-9431 | Treatment                 |
| DEP/DWP         | 4/11/95              | Pristine Water Solutions<br><a href="http://www.pristinewatersolutions.com/">www.pristinewatersolutions.com/</a>   | Mixed sequesters for corrosion control                      | <b>SK – Phosphates</b><br>( See Pristine Water Solutions) | Jeffrey Burkle                 | (508) 335-9106 | Corrosion Control         |
| DEP/DWP         | 7/24/95              | Koch Membranes<br><a href="http://www.kochmembrane.com/">www.kochmembrane.com/</a>   | Ultrafiltration membrane technology                         | Koch Membranes  | Evellyn Scibelli               | (508) 657-4250 | UF                        |
| DEP/DWP         | 8/15/95              | Fosroc Inc.<br><a href="http://www.minovausa.com/index2.cfm?pageToken=contact#">http://www.minovausa.com/index2.cfm?pageToken=contact#</a>   | Protective coating for drinking water pipes                 | Nitoline  | Robert Tieman                  | (502) 863-6800 | Coating                   |
| DEP/DWP         | 01/02/96             | Krofta Corp<br><a href="http://www.nonprofitlist.org">www.nonprofitlist.org</a> › Massachusetts › Lenox  | Dissolved Air Floatation and filtration process             | Krofta- DAF   | Al Meier                       | (413) 637-3025 | Dissolve Air Floatation   |
| DEP/DWP         | 1/2/96               | Waterwise Inc<br><a href="http://free.salesfuel.com/Content/CoDetailsPersonnel.aspx?CompanyID=399520">http://free.salesfuel.com/Content/CoDetailsPersonnel.aspx?CompanyID=399520</a>   | Flocculent: aid in suspended solid removal.                 | Waterwise 279   | Robert Syms                    | (603) 226-4266 | Flocculation              |
| DEP/DWP         | 11/25/96             | RP Products  | Polypropylene bag filter                                    | RP Products 523A, 525A                                    | Donald Wallace                 | (616) 273-1512 | Filters                   |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>                               | <b>Trade Name</b> | <b>Contact Person/ Company</b> | <b>Tele #</b>                       | <b>Type of Technology</b> |
|-----------------|----------------------|--|--|-------------------|--------------------------------|-------------------------------------|---------------------------|
| DEP/DWP         | 4/7/97               | Filtronic<br><a href="http://showmelocal.dailynews.com/profile.aspx?bid=4901562">showmelocal.dailynews.com/profile.aspx?bid=4901562</a>  | Special media for iron and manganese removal               | Electromedia 1    | Fred Sieverts                  | (714) 630-5040                      | Iron & Manganese removal  |
| DEP/DWP         | 6/20/97              | MIOX Corp<br><a href="http://www.miox.com/">www.miox.com/</a>  | Mixed oxidants for disinfection: mainly chlorine and CLO2. | MIOX              | Mike Robson                    | (505) 343-0090                      | Oxidation                 |
| DEP/DWP         | 4/16/98              | Kinetico Corp<br><a href="http://businessfinder.cleveland.com/997763/Kinetico-Corporate-Headquarters-Newbury-OH">http://businessfinder.cleveland.com/997763/Kinetico-Corporate-Headquarters-Newbury-OH</a> | Filtration media for iron and manganese removal            | Kinetico          | Glen Latimer                   | (216) 564-9111                      | Iron & Manganese removal  |
| DEP/DWP         | 9/23/98              | Zenon Environmental Inc<br><a href="http://www.zenon.com/">www.zenon.com/</a>  | Iron and manganese removal                                 | Zenon Zeeweed     | Bruce Baldwin                  | (508) 761-9928                      | Iron & Manganese removal  |
| DEP/DWP         | 12/11/98             | Roberts Filter<br><a href="http://www.robertsfiltergroup.com/">www.robertsfiltergroup.com/</a>   | Modular clarification/<br>Filtration process               | Roberts Pacer 11  | Andrew Taylor                  | (610) 583-3131                      | Filtration                |
| DEP/DWP         | 2/2/99               | Pure Flow Filtration Division<br><a href="http://www.pfdiv.com/">www.pfdiv.com/</a>  | Iron and Manganese removal                                 | Pure Flow         | McDonald Whittier              | (562) 945-3425                      | Iron & Manganese removal  |
| DEP/DWP         | 7/19/99              | F.B. Leopold Company<br><a href="http://www.fbleopold.com/">www.fbleopold.com/</a>   | A prefabricated underdrain support structure-Filtration    | IMS Caps          | Daniel Saulnier                | 617- 498 4739                       | Underdrain Support        |
| DEP/DWP         | 7/20/99              | AS Inc.<br><a href="http://www.idswater.com/water/us/asi/water_corrosion/1520_0/directory_listing.html">http://www.idswater.com/water/us/asi/water_corrosion/1520_0/directory_listing.html</a>             | Corrosion control  | Stannous Chloride | William Stapp                  | (510) 499-6152 or<br>1-800-399-8141 | Corrosion Control         |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>  | <b>Trade Name</b>  | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|--|---|--|--------------------------------|----------------|---------------------------|
| DEP/DWP         | 12/3/99              | GDT corp.<br><a href="http://www.mazzei.net/">www.mazzei.net/</a>                              | Removal of carbon dioxide (Corrosion Control method)                            | Mazzei Injector  | John Overby                    | (623) 587-8858 | Carbon Dioxide Removal    |
| DEP/DWP         | 12/3/99              | Jamestown Chemical Company<br><a href="http://www.jamestownchem.com">www.jamestownchem.com</a> | Coagulant aid.  | AGEFLOC  | Dennis Tomscheck               | (203) 932-3655 | Coagulant aid             |
| DEP/DWP         | 12/21/99             | Hatch Engineers<br><a href="http://www.hatch.ca/">www.hatch.ca/</a>                            | Catalytic filter media for iron and iron removal.                               | BIRM   | Paul Hatch                     | (413) 267-3696 | Iron & Manganese removal  |
| DEP/DWP         | 12/28/99             | US Filter<br><a href="http://www.water.siemens.com/">www.water.siemens.com/</a>                | Removal of suspended particulates   | Microfiltration-3M10C  | Matthew Dee                    | (508) 558-1628 | Microfiltration           |
| DEP/DWP         | 2/15/00              | Jamestown Chemical Co.<br><a href="http://www.jamestownchem.com">www.jamestownchem.com</a>     | Polymer aid to assist floc in settling.   | AGE FLOC WT20-T  | Dennis Tomscheck               | (203) 932-3655 | Coagulation               |
| DEP/DWP         | 8/16/00              | Harms Co.<br><a href="http://www.harmsco.com/">www.harmsco.com/</a>                            | Micro-filtration, using a pleated cartridge filter.                             | Hams Cartridge Filter  | Harold Hams                    | (800) 327-3248 | Microfiltration           |
| DEP/DWP         | 8/23/00              | Tnemec Co.<br><a href="http://www.tnemec.com/">www.tnemec.com/</a>                             | A barrier material used to protect stored water from its container.             | Hydro-Zinc 2000  | Willy Peterson                 | (816) 474-3400 | Coating                   |
| DEP/DWP         | 10/20/00             | Fay, Spofford and Thorndike<br><a href="http://www.fstinc.com/">www.fstinc.com/</a>            | Multi-media pre-filtration system used to enhance the removal of Giardia/Crypto | Dual Multimedia Filtration System for used with Greensand Filters. | Christopher C. Yannoni         | (781) 221-1282 | Filtration                |
| DEP/DWP         | 4/20/01              | Ameron International<br><a href="http://www.ameron.com/">www.ameron.com/</a>                   | protective Barrier--Clear well tank coating                                     | Amerlock 2 & Amerlock 400  | Jim McCarthy                   |                | Coating                   |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>   | <b>Trade Name</b>   | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|--|--|---------------------|--------------------------------|----------------|---------------------------|
| DEP/DWP         | 02/09/01             | Eaglebrook, Inc.<br><a href="http://www.powerprofiles.com/.../EAGLEBROOK,+INC-MATTESON-IL">www.powerprofiles.com/.../EAGLEBROOK,+INC-MATTESON-IL</a>             | Coagulants used to aid in the flocculation of particulate matter.  | PASS-100 and PASS-C | Jim Allen                      | (708) 747-5038 | Coagulant                 |
| DEP/DWP         | 6/04/01              | Siemens Corporation<br><a href="http://www.usa.siemens.com/answers/en/">http://www.usa.siemens.com/answers/en/</a>   | Protective Barrier—coating, employed to coat a retrofitted baffle system.  | XR-3 and XR-5       | Bill Schehane                  | (704) 987-0055 | Coating                   |
| DEP/DWP         | 1/5/02               | EKA Chemicals Inc<br><a href="http://www.hoovers.com/company/Eka_Chemicals_Inc/rchrri-1.html">http://www.hoovers.com/company/Eka_Chemicals_Inc/rchrri-1.html</a> | Pre-blended solution of hydrogen peroxide and sodium chlorate to produce Chlorine dioxide, a DW disinfectant.                                    | PURATE              | Gary Charles                   | (770) 578-0858 | Carbon Dioxide generation |
| DEP/DWP         | 02/19/02             | Hazleton Environmental<br><a href="http://www.hazletonenvr.com/">http://www.hazletonenvr.com/</a>  | Hazleton Maxi-Strip Venturi System for the removal of radon, hydrogen sulfide and Trichloroethylene (TCE) from ground water sources—MIDEL # 350. | MODEL # 350.        | Mark Shaffer                   | (570) 454-7515 | Radon and TCE removal     |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>  | <b>Purpose of Technology</b>  | <b>Trade Name</b>                                   | <b>Contact Person/ Company</b> | <b>Tele #</b>              | <b>Type of Technology</b>               |
|-----------------|----------------------|---|---|---|--------------------------------|----------------------------|---|
| DEP/DWP         | 8/28/02              | Hazleton Environmental<br><a href="http://www.hazletonenvr.com/">http://www.hazletonenvr.com/</a>       | Hazleton Maxi-Strip venturi system for the removal of radon, hydrogen sulfide and Trichloroethylene (TCE) from ground water sources—<br>MODEL 300H. | MODEL 300H  | Randy Galgon.                  | (570) 454-7515             | Radon, hydrogen sulfide and TCE removal |
| DEP/DWP         | 9/4/02               | Pristine Water Solutions  | This technology removes biofilm from the distribution system.   | BioPurge BD-2000.                                   | Jeffrey Burkle                 | (508) 335-9106             | Bio-Film removal                        |
| DEP/DWP         | 10/30/02             | Pall Corporation<br><a href="http://www.pall.com/main/Home.page">http://www.pall.com/main/Home.page</a> | Removal of Giardia/Crypto >5-logs. ETV/NSF approved   | Micro-Filtration WPM-1                              | Tom Wingfield                  | 888-873-7255               | Microfiltration                         |
| DEP/DWP         | 12/06/02             | Hydranautics Corporation  | Removal of Giardia and Crypto-Sporidium oocyst from surface water at low turbidities  | Hydracap Hydranautics Ultrafiltration Process       | John Kulikek                   | (760) 901-2500<br>ext 2565 | UF                                      |
| DEP/DWP         | 01/08/03             | Lowry Treatment System—<br>Cherry Valley  | The removal of arsenic, uranium and radon from ground water.  | Lowry Treatment System-Adsorption./Anionic exchange | Tata & Howard                  | (508) 366-5760             | Arsenic Uranium and radon removal       |
| DEP/DWP         | 10/22/03/03          | Layne Christensen Co  | Iron / Mn removal   | LayneOx   | Thomas Johnson                 | (800) 269-4590             | Iron & Manganese removal                |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>                                     | <b>Trade Name</b>           | <b>Contact Person/ Company</b>                       | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|--|--|-----------------------------|--|----------------|---------------------------|
| DEP/DWP         | 10/23/03             | Pall UF LOV- 5210<br><a href="http://www.pall.com/main/Home.page">http://www.pall.com/main/Home.page</a>   | Iron / Mn removal  | Pall Corp                   | William Sellerberg                                   | (516) 801-9009 | Iron & Manganese removal  |
| DEP/DWP         | 3/10/04              | Koch Membrane-Epoxy<br><a href="http://www.kochmembrane.com/">http://www.kochmembrane.com/</a>   | Repair adhesive  | Koch Membrane               | Peter Hoover   | (978) 343-0449 | Coating                   |
| DEP/DWP         | 3/25/04              | Trojan Technologies  | UV Disinfection  | Trojan Technology           | Hellen Gordon  | 800265-5774    | UV                        |
| DEP/DWP         | 5/27/04              | Orica Water –Care<br><a href="http://www.miexresin.com/index.asp?page=9">http://www.miexresin.com/index.asp?page=9</a>   | Miex Resin— Adsorptive media used to remove organics from water. | MIEX RESIN                  | Elizebeth Ham.                                       | (606) 308-4149 | Adsorptive Media          |
| DEP/DWP         | 6/24/04              | Sta-Rite Industries<br><a href="http://www.pumps.com/">http://www.pumps.com/</a>   | Carbon –Block filter for removing lead from drinking water.      | Sta-Rite GS210 LS           | Kris Douglas   | (262) 728-7462 | Lead Removal              |
| DEP/DWP         | 9/331/04             | Koch Membrane Systems<br><a href="http://www.kochmembrane.com/">http://www.kochmembrane.com/</a>   | Membrane Sealer  | Kochseal 200                | Peter Hoover   | (978) 343-0499 | Membrane Sealer           |
| DEP/DWP         | 12/22/04             | Aquatic Arsenic removal<br><a href="http://www.manta.com/c/my3v2k/aquatic-treatment-systems-inc">http://www.manta.com/c/my3v2k/aquatic-treatment-systems-inc</a> | Oxidative /Adsorption Process for Arsenic removal                | As/1200CS                   | Timothy Badger (This company may be out of business) | (781) 545-8588 | Arsenic Remover           |
| DEP/DWP         | 12/23/04             | Zenon Corporation<br><a href="http://www.manta.com/c/m5xg6q/zenon-corp">http://www.manta.com/c/m5xg6q/zenon-corp</a>   | UF Membrane – Surface water                                      | Zenon Zeeweed 500 UF Filter | Graham Best  | (905) 465-3030 | UF                        |
| DEP/DWP         | 1/28/05              | Osmonics Inc   | RO Membrane – Desal AG 4040-F                                    | Osmonics RO Membrane        | Jose Andreu  | (508) 427-9974 | RO                        |



| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>  | <b>Trade Name</b>                                     | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b> |
|-----------------|----------------------|--|---|---|--------------------------------|----------------|---------------------------|
| DEP/DWP         | 2/5/05               | Aquatic Arsenic removal<br><a href="http://www.manta.com/c/my3v2k/aquatic-treatment-systems-inc">http://www.manta.com/c/my3v2k/aquatic-treatment-systems-inc</a>   | Oxidative /Adsorption Process for Arsenic removal                                     | As/1800CS   | Timothy Badger                 | (781) 545-8588 | Arsenic removal           |
| DEP/DWP         | 3/21/05              | Floran Technologies<br><a href="http://www.jazdprocessing.com/processflowdirect/company/Floran-Technologies-Inc.htm?supplierId=70000471">http://www.jazdprocessing.com/processflowdirect/company/Floran-Technologies-Inc.htm?supplierId=70000471</a> | Tank and Filter media Cleaners  | Media Master, Floran Catalyst, Filter fit, Top-Ultra. | Reimann-Philipp                | 866.GO.Floran  | Tank Cleaner              |
| DEP/DWP         | 3/21/05              | Koch Membrane systems<br><a href="http://www.kochmembrane.com/">http://www.kochmembrane.com/</a>   | Membrane sealer   | Loctite 480   | Lori Stewart                   | (800) 343-0499 | Membrane sealer           |
| DEP/DWP         | 3/30/05              | Purolite Cationic Resin<br><a href="http://www.purolite.com/RelId/33637/ISvars/default/Home.htm">http://www.purolite.com/RelId/33637/ISvars/default/Home.htm</a>   | Removal of Radium from Drinking Water   | Purolite Cationic resin C-100                         | David Guthrie                  | (978) 692-3030 | Radium removal            |
| DEP/DWP         | 6/13/05              | Resin Tech SIR-100-HP<br><a href="http://www.resintech.com/products/frm_ProductInfo.aspx?qProductId=53">http://www.resintech.com/products/frm_ProductInfo.aspx?qProductId=53</a>   | Nitrate selective anionic system intended for the removal of nitrates in groundwater. | SIR –100-HP   | Bill Koebel                    | (856) 768-9601 | Nitrates removal          |
| DEP/DWP         | 1/17/06              | Bayoxide E33<br><a href="http://www.environmental-expert.com/products/bayoxide-e33-arsenic-removal-media-15343/view-comments">http://www.environmental-expert.com/products/bayoxide-e33-arsenic-removal-media-15343/view-comments</a>                | Adsorption media for the removal of arsenic.  | Bayoxide E33  | Rich Cavagnaro                 | (678) 835-0052 | Arsenic removal           |
| DEP/DWP         | 4/07/06              | Arch Chemicals<br><a href="http://www.archchemicals.com/Fed/">http://www.archchemicals.com/Fed/</a>  | Chlorination of drinking water using tablets  | Chlor Brisquette                                      | Jacqueline Ford                | (302) 472-1336 | Chlorination tablets      |

| DIVISION | Date Approved | Vendor's Name  | Purpose of Technology  | Trade Name                    | Contact Person/ Company | Tele #         | Type of Technology          |
|----------|---------------|--|--|-------------------------------|-------------------------|----------------|-----------------------------|
| DEP/DWP  | 6/22/06       | Ashland Specialty Chemicals EPS<br><a href="http://www.ashland.com/products/praestol-flocculants">http://www.ashland.com/products/praestol-flocculants</a>                             | Coagulation/Flocculation                                       | PRAESTROL 3100LTR & A3040 LTR | Ron Jones               | (336) 834-4793 | Coagulant                   |
| DEP/DWP  | 7/22/06       | Inversand Company<br><a href="http://www.inversand.com/">http://www.inversand.com/</a>   | Filtration Media   | Greensand Plus                | Ben Gaskill             | (856) 8813200  | Filtration                  |
| DEP/DWP  | 8/22/06       | Infilco Degremont Inc<br><a href="http://www.degremont-technologies.com/?gclid=CNOKwL2axK8CFQjd4AodQTReYQ">http://www.degremont-technologies.com/?gclid=CNOKwL2axK8CFQjd4AodQTReYQ</a> | Fe and Mn Removal  | Ferazur and Mangazur media    | John Dyson              | (804) 756-7691 | Iron & Manganese removal    |
| DEP/DWP  | 8/21/06       | Infilco Degremont Inc<br><a href="http://www.degremont-technologies.com/?gclid=CNOKwL2axK8CFQjd4AodQTReYQ">http://www.degremont-technologies.com/?gclid=CNOKwL2axK8CFQjd4AodQTReYQ</a> | Suspended solid removal—using Dissolved Air Flotation          | Aqua DAF Clarifier            | John Dyson              | (804) 756-7691 | Dissolved Air Flotation—DAF |
| DEP/DWP  | 9/27/06       | Solmetex Inc.<br><a href="http://www.solmetex.com/index.html">http://www.solmetex.com/index.html</a>   | Arsenic removal media  | npRio                         | Bill Musiak             | (508) 393-5115 | Arsenic Removal             |
| DEP/DWP  | 10/31/06      | Accu-tab   | Chlorination- <b>No New Tech Approval has been granted.</b>    | Accutab                       |                         |                | Chlorination tablets        |
| DEP/DWP  | 02/09/07      | Pall Corporation<br><a href="http://www.pall.com/main/Home.page">http://www.pall.com/main/Home.page</a>  | Used to remove salts from Surface water--99.7 % salt rejection | Reverse Osmosis-Toray TM 720  | William Sellerberg      | (516) 801-9445 | RO                          |
| DEP/DWP  | 03/27/07      | Solmetex Inc.<br><a href="http://www.solmetex.com/index.html">http://www.solmetex.com/index.html</a>   | Used for arsenic removal from water                            | ArsenXnp                      | Dan Shephard            | (508) 393-5115 | Arsenic Removal             |
| DEP/DWP  | 11/07/06      | X-Flow North America   | UF-Filtration  | X-Flow SXL 225 UF             | Phil Sorrentino         | 617-932-1783   | UF                          |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>   | <b>Purpose of Technology</b>                                  | <b>Trade Name</b>  | <b>Contact Person/ Company</b> | <b>Tele #</b>            | <b>Type of Technology</b> |
|-----------------|----------------------|--|---|--|--------------------------------|--------------------------|---------------------------|
| DEP/DWP         | 06/06/07             | Zenon Environmental Corporation<br><a href="http://www.zenon.com/">www.zenon.com/</a>                            | UF- Filtration – targeting the removal of Iron and Manganese. | Zenon ZeeWeed-1000   | Graham Best                    | (905) 465-3030<br>X 3209 | UF                        |
| DEP/DWP         | 06/22/07             | Pure Flow Division   | Media filtration for the removal of Iron and Manganese        | FureFlow PM-300  | Erik Grotton                   | (508) 248-7094           | Iron & manganese Removal  |
| DEP/DWP         | 7/6/07               | Industrial Test Systems  | Free Chlorine Analysis  | SenSafe Chlorine Test Strips   | Michael Clarke                 | (800) 861-9712           | Chlorine Strips           |
| DEP/DWP         | 11/16/07             | WesTech Engineering<br><a href="http://www.westech-inc.com/">http://www.westech-inc.com/</a>                     | Filtration— Underdrain System                                 | Multiblock Underdrain system   | David Lucey                    | (413) 813-9782           | Filtration                |
| DEP/DWP         | 02/07/08             | Memcor Products  | Iron and manganese removal from groundwater                   | Siemens- Memcor-CMF-S (4S10V)  | Matthew Dee                    | (508) 849-4600           | Iron & Manganese Removal  |
| DEP/DWP         | 02/14/08             | Panton McLeod  | Pipe and well cleaning product                                | PM 33,55,88 & 100  | John Copeland                  | (303) 231-1020           | Pipe and Well Cleaning    |
| DEP/DWP         | 05/20/08             | Carus Corporation  | Oxidant-sodium permanganate                                   | Carusol Liquid Permanganate  | Richard Wells                  | (815) 224-6524           | Oxidant                   |
| DEP/DWP         | 05/20/08             | Pristine Water Solutions<br><a href="http://www.pristinewatersolutions.com/">www.pristinewatersolutions.com/</a> | Blended Phosphates  | <b>Pristine Water Solutions, SK Series:</b><br>7102,7103,7512,7513,7514,7522,7523,7524,7533,7534,7543,7544,7611,7612,7613,7621,7622,7623,7631,7632,7633,7641,7642,7643<br><br><b>Pristine Water Sol'n:</b> 7640,7661,7699,7690,7850,7871 & MP 4040 | Jeffrey Burkle                 | (508) 335-9106           | Corrosion Control         |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>                | <b>Purpose of Technology</b>                                     | <b>Trade Name</b>   | <b>Contact Person/ Company</b> | <b>Tele #</b>               | <b>Type of Technology</b>      |
|-----------------|----------------------|-------------------------------------|--|---|--------------------------------|-----------------------------|--------------------------------|
| DEP/DWP         | 11/06/08             | WesTech Engineering                 | The removal of suspended solids from water-Filtration technology | Claricell-B Package Plant   | Mark Fisher                    | 801-265-1000<br>Ext 141     | Filtration                     |
| DEP/DWP         | 12/04/08             | Arch Chemicals                      | Chlorination of drinking water using briquettes                  | Constant Chlor Plus Feeded  | Michael Nielsen                | (770) 801-6600<br>Ext. 2425 | Chlorination<br>Tablet         |
| DEP/DWP         | 12/12/08             | Coyne Chemical Co                   | Corrosion control and sequestering agents                        | Polyphosphates series:<br>CP17,CP33,CP34  | Donald Mott                    | (215)785-3000               | Corrosion control              |
| DEP/DWP         | 12/12/08             | Coyne Chemical Co                   | Corrosion inhibitors and sequestering agents                     | OrthoPolyphosphates:<br>CP29, CP720,CP722,<br>CP 723L and<br>CP4040D                | Donald Mott                    | (215)785-3000               | Corrosion Control              |
| DEP/DWP         | 12/12/08             | Coyne Chemical Co                   | Corrosion inhibitors and sequestering agents                     | Zinc Orthophosphate:<br>CP330,CP630,CP721,<br>CP837,CP<br>767D,CP767L and<br>CP1236 | Donald Mott                    | (215)785-3000               | Corrosion Control              |
| DEP/DWP         | 06/05/09             | Purolite Company                    | Arsenic and uranium removal                                      | FerrIX A33E   | Edward Begg                    | (610) 668-9090              | Arsenic<br><br>Uranium removal |
| DEP/DWP         | 3/19/10              | Arch Chemicals                      | Chlorine application   | Constant Chlor Plus Feeder – Model MM-1S  | Michael Nielson                | (678) 627-2424              | Chlorination                   |
| DEP/DWP         | 4/5/10               | 3M Water Infrastructure             | Pipe coating for pipe rehabilitation                             | 3M Scotchkote Spray In Place Pipe Coating 269                                       | Shawn Kirsch                   | (651) 736-9030              | Coating                        |
| DEP/DWP         | 4/23/10              | Sanexen Environmental Services, Inc | Protective barrier material for pipe rehabilitation              | Aqua-Pipe PE and PU   | Joseph Loiacono                | (800) 263-7870              | Coating                        |
| DEP/DWP         | 6/29/10              | X-Flow North America                | Membrane   | Aquaflex HP UF Membrane   | Bill Musiak                    | (815) 986-0391              | UF                             |
| DEP/DWP         | 7/14/10              | Memcor Corp                         | Ultra Filtration Membrane  | Memcor XP (L10V & L20V )  | Andy Tattelman                 | (508) 849-4600<br>X 4691    | UF                             |
| DEP/DWP         | 7/23/10              | Saf-T-Chlor                         | ClO2 Generator-disinfection or pre-oxidation                     | Chlorine dioxide  | Dean Gregory                   | (888) 610-2562              | Chlorine Dioxide               |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>         | <b>Purpose of Technology</b>   | <b>Trade Name</b>                          | <b>Contact Person/ Company</b> | <b>Tele #</b>         | <b>Type of Technology</b> |
|-----------------|----------------------|------------------------------|--|--|--------------------------------|-----------------------|---------------------------|
| DEP/DWP         | 11/12/10             | Calgon Carbon                | Reactivated GAC for Municipal DWTPs  | Custom Municipal React :                   | Bill Henderson                 | 412-787-6700          | Granular Activated Carbon |
| DEP/DWP         | 11/19/10             | Insituform Technologies, Inc | Protective barrier material for pipe rehabilitation--liner                     | INSITUMAIN                                 | Michael Cronin                 | 413-566-3703          | Coating                   |
| DEP/DWP         | 12/09/10             | GE Power & Water Co          | UF technology capable of removing Giardia, Crypto and viruses                  | ZeeWeed 1000 V3                            | Samantha Kendrick              | 905-465-3030<br>X3232 | UF                        |
| DEP/DWP         | 12/09/10             | GE Power & Water Co          | UF technology capable of removing Giardia, Crypto and viruses                  | ZeeWeed 1000 V4                            | Samantha Kendrick              | 905-465-3030<br>X3232 | UF                        |
| DEP/DWP         | 12/09/10             | GE Power & Water Co          | UF technology capable of removing Giardia, Crypto and viruses                  | ZeeWeed 1500                               | Samantha Kendrick              | 905-465-3030<br>X3232 | UF                        |
| DEP/DWP         | 6/28/11              | SolarBee Inc                 | Mixes water in stagnant bodies such as reservoirs, storage tanks and the like. | SolarBee                                   | Linda Steve                    | (866) 437-8076        | Solar Mixer               |
| DEP/DWP         | 7/12/11              | 3M Water Infrastructure      | Pipe rehabilitation by lining the interior of pipe                             | 3M Scotchkote Pipe renewal Liner 2400      | Shawn Kirsch                   | 651) 736-9030         | Coating                   |
| DEP/DWP         | 11/07/06             | Norit-X-Flow Corporation     | 2- log Viral removal granted--provisionally                                    | Norit-X-Flow, Model 225 UF                 | Phil Sorrentino                | (617) 932-1783        | Membrane-Viral removal    |
| DEP/DWP         | 3/24/06              | Hydranautics Corporation     | 2- log Viral removal granted--provisionally                                    | Hydranautics Hydracap                      | Hydranautics                   | (760) 901-2505        | Membrane-Viral removal    |
| DEP/DWP         | 3/09/04              | Pall Corporation             | 2- log Viral removal granted--provisionally                                    | Pall Lov-5210 or 6210                      | William Sellerberg             | (516) 801-9009        | Membrane-Viral removal    |
| DEP/DWP         | 8/29/11              | Kruger Inc                   | Iron and Manganese removal   | Actiflow Microsand Ballasted Clarification | Tom Perry                      | (919) 677-8310        | Iron & manganese Removal  |
| DEP/DWP         | 11/17/11             | Sekisui Norditube Inc        | Pipe liner   | Nordipipe                                  | George Gerz                    | 949 366-4165          | Pipe liner                |
| DEP/DWP         | 01/24/12             | R.E.Prescott Co.,Inc.        | Radon Removal  | Bubble Up                                  | Perrin T. Prescott             | (603) 772-4321        | Radon gas removal         |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>        | <b>Purpose of Technology</b>                       | <b>Trade Name</b>                               | <b>Contact Person/ Company</b> | <b>Tele #</b>            | <b>Type of Technology</b>        |
|-----------------|----------------------|-----------------------------|--|---|--------------------------------|--------------------------|----------------------------------|
| DEP/DWP         | 02/21/12             | Arch Chemicals, Inc         | Chlorination--using briquettes                     | Constant Chlor Plus Model: MC4-50               | Brian Moore                    | (678) 627-2230           | Chlorination                     |
| DEP/DWP         | 04/10/12             | Graver Technologies, LLC    | Arsenic removal                                    | MetSorb   | James Knoll                    | 410-596-9434             | Arsenic removal                  |
| DEP/DWP         | 7/12/11              | 3M Water Infrastructure     | Pipe rehabilitation by lining the interior of pipe | 3M Scotchkote Pipe renewal Liner 2400           | Shawn Kirsch                   | 651) 736-9030            | Coating                          |
| DEP/DWP         | 11/07/06             | Norit-X-Flow Corporation    | 2- log Viral removal granted--provisionally        | Norit-X-Flow, Model 225 UF                      | Phil Sorrentino                | (617) 932-1783           | Membrane-Viral removal           |
| DEP/DWP         | 3/24/06              | Hydranautics Corporation    | 2- log Viral removal granted--provisionally        | Hydranautics Hydracap                           | Hydranautics                   | (760) 901-2505           | Membrane-Viral removal           |
| DEP/DWP         | 3/09/04              | Pall Corporation            | 2- log Viral removal granted--provisionally        | Pall Lov-5210 or 6210                           | William Sellerberg             | (516) 801-9009           | Membrane-Viral removal           |
| DEP/DWP         | 8/29/11              | Kruger Inc                  | Iron and Manganese removal                         | Actiflow Microsand Ballasted Clarification      | Tom Perry                      | (919) 677-8310           | Iron & manganese Removal         |
| DEP/DWP         | 11/17/11             | Sekisui Norditube Inc       | Pipe liner   | Nordipipe                                       | George Gerz                    | 949 366-4165             | Pipe liner                       |
| DEP/DWP         | 01/24/12             | R.E.Prescott Co.,Inc.       | Radon Removal                                      | Bubble Up                                       | Perrin T. Prescott             | (603) 772-4321           | Radon gas removal                |
| DEP/DWP         | 02/21/12             | Arch Chemicals, Inc         | Chlorination--using briquettes                     | Constant Chlor Plus Model: MC4-50               | Brian Moore                    | (678) 627-2230           | Chlorination                     |
| DEP/DWP         | 04/10/12             | Graver Technologies, LLC    | Arsenic removal                                    | MetSorb   | James Knoll                    | 410-596-9434             | Arsenic removal                  |
| DEP/DWP         | 12/06/12             | Harcros Chemicals Inc.      | Corrosion and Scale inhibitors—blended             | Aquacros 2030,2030 Plus,2050,2060, 2075, & 2098 | Jon Pena                       | 904-806-3785             | Corrosion and scale control      |
| DEP/DWP         | 01/09/13             | Sigmund Lindner GmbH        | Filtration media & gravel pack media               | Silly Beads                                     | Sigmund Lindner GmbH           | +49-9277-99410 (Germany) | Filtration and well screen media |
| DEP/DWP         | 01/23/13             | BASF Construction Chemicals | Patching material                                  | EMACO   | Steve Herman                   | 952-403-6546             | Patching Material                |
| DEP/DWP         | 01/23/13             | BASF Construction Chemicals | Patching material                                  | Waterplug                                       | Steve Herman                   | 952-403-6546             | Patching Material-Waterplug      |

| <b>DIVISION</b> | <b>Date Approved</b> | <b>Vendor's Name</b>  | <b>Purpose of Technology</b>   | <b>Trade Name</b>  | <b>Contact Person/ Company</b> | <b>Tele #</b>  | <b>Type of Technology</b>         |
|-----------------|----------------------|-----------------------|--|--|--------------------------------|----------------|-----------------------------------|
| DEP/DWP         | 04-12-13             | Layne Christensen Co  | Arsenic removal  | LayneRT  | Ginny Dwyer                    | 1-800-216-5505 | Arsenic removal                   |
| DEP/DWP         | 09-03-13             | Medora Corporation    | Water Tank Mixer   | GridBee GS-12 Submersible Mixer  | Cliff Tormaschy                | 701-225-4495   | Water Tank Mixer.                 |
| DEP/DWP         | 09-20-13             | Medora Corporation    | Water Tank Spray Mixer   | SolarBee SN3,5,10 and SN15   | Cliff Tormaschy                | 701-225-4495   | Water Tank Mixer.                 |
| DEP/DWP         | 10/18/13             | Pax Technologies, Inc | Water Tank Mixer   | Pax resvoir Mixer(PWM 100, PWM 200, PWM 400 & PWM 500)                             | Nathan Miller                  | 866-729-6493   | Water Tank /Reservoir Mixer.      |
| DEP/DWP         | 11/05/13             | Coyne S. Chemicals    | Corrosion Control & Scale Inhibitor—Ortho & Polyphosphates   | CP 36, CP 36A, CP 718, CP 718L, CP 734, CP 734L, CP 785, CP 65D & CP 27            | Donald Mott                    | 215-785-3000   | Corrosion Control/Scale inhibitor |
| DEP/DWP`        | 11/15/13             | PurEmulsion, LLC      | Initiates the removal of Iron and Manganese for subsequent process removal. May have other applications. | Seromix  | Brendan O'Regan                | 603-760-6216   | Iron & manganese Removal          |
| DEP/DWP         | 01/22/14             | Shannon Chemical Corp | Blended phosphates & Zinc Orthophosphates  | Blended Phosphates SLI Series: 5230,5250,5275,53 83,7425,K200 Zinc Ortho: SLI: 321 | ,932,939 & 1021                | 610-363-9090   | Corrosion Control & Sequestration |