

Dispersal Field Products* Approved by the State of NC (Effective: August 9, 2017)

| Approved Innovative and Experimental (I&E) systems [aka Provisional**, Innovative, and Accepted (PIA) systems] | | | |
|--|------------------------------------|--|---|
| Approval Number/Rule | Manufacturer | Applicable Dispersal Area Product/Components* | System or Model Name |
| IWWS-1993-1-R7A | American Manufacturing | Netafim Bioline drip tubing w/ built-in emitters lockslip couplings (used to connect two Bioline driplines together) within the dispersal area | American Perc-Rite® Subsurface Drip System, Anaerobic |
| IWWS-1993-01-R6B | American Manufacturing | Netafim Bioline drip tubing w/ built-in emitters lockslip couplings (used to connect two Bioline driplines together) within the dispersal area | American Perc-Rite® Subsurface Drip System, Aerobic |
| IWWS-1995-01 | Brunswick County Health Department | geotextile fabric | “Brunswick” Bed/Fill Wastewater Disposal Systems |
| IWWS-1995-04-R2 | Cultec, Inc. | pre-formed HDPE chambers geotextile fabric | Contactactor EZ-24 Contactactor 75 Contactactor 100 Contactactor 125 Field Drain Panel C-1 Field Drain Panel C-2 Field Drain Panel C-3 Field Drain Panel C-4 Cultec N. 410 geotextile fabric (Mirafi 140 N or equivalent) |
| IWWS-2001-01 | Delta Environmental Products, Inc. | Geoflow Wasteflow PC dripline with built-in pressure compensating emitters Netafim Bioline drip tubing w/ built-in pressure-compensating emitters lockslip couplings (used to connect two emitting driplines together) within the dispersal area | Delta’s Subsurface Drip System |

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|---------------------------------|--|--|---|
| IWWS-1995-03-R7 | EZflow, LP, a wholly owned subsidiary of Infiltrator Water Technologies, LLC | preassembled unit consisting of perforated pipe, polystyrene aggregate and netting, as well as internal coupling devices used to connect bundles | EZ1003T EZ1003T-GEO EZ1203T EZ1203T-GEO EZ1203H EZ1203H-GEO |
| IWWS-2007-01-R2 | E-Z Treat | E-Z Set Drip dripline with built-in pressure-compensating emitters lockslip couplings (used to connect two E-Z Set Drip driplines together) within the dispersal area | E-Z Drip Subsurface Wastewater Drip System |
| IWWS-2003-01 | Various manufacturers | pipe substituted for 4" corrugated pipe in nitrification lines with alternate pipe meeting materials, strength and labeling complying with applicable ASTM Standards, including: For other Corrugated Polyethylene (PE) pipe, ASTM F 405 (superceded by ASTM F667/F667M), Standard Specification for Corrugated Polyethylene (PE) Pipe and Fittings; for Polyvinyl Chloride (PVC) pipe, ASTM D 2729, Standard Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings; or for Acrylonitrile-butadiene-styrene (ABS) pipe, ASTM D 2751, Standard Specification for Acrylonitrile-Butadiene-Styrene (AABS) Sewer Pipe and Fittings, as applicable | Component Substitution for 4" Perforated Corrugated Plastic Tubing in Nitrification Lines |

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| IWWS-2000-02R | Geoflow, Inc. | Geoflow Wasteflow PC dripline with built-in emitters lockslip couplings (used to connect two Wasteflow driplines together) within the dispersal area | Geoflow's Subsurface Drip System |
| IWWS-2012-01 | ICC Technologies, LLC | preassembled unit consisting of perforated pipe, polystyrene aggregate, netting, and geotextile fabric | FTSG123H-1 OC |
| IWWS-1997-02-R10 | Infiltrator Systems, Inc. | pre-formed HDPE chambers, including angle chamber sections pre-formed HDPE side port couplers and endcaps within the dispersal area | Standard Model 11" High Angle Chamber section Bio 3 ARC 36; ARC 24; ARC 36 HC ARC 24 Side Port Coupler (SPC) ARC 36 Side Port Coupler (SPC) ARC 36 HC Side Port Coupler (SPC) |
| IWWS-1993-02-R16 | Infiltrator Water Technologies, LLC | pre-formed HDPE chambers, including angle chamber sections pre-formed HDPE contour wedge, EQ 36 swivel, or standard swivel, side port couplers, and endcaps within the dispersal area | Infiltrator Standard and Standard SideWinder (polyethylene) Infiltrator High Capacity (polyethylene) Quick4 Plus Standard, Quick4 Standard, Quick4 Standard-W Standard SC; Standard SideWinder SC (polypropylene) Equalizer 36; Quick4 Equalizer 36; Quick4 High Capacity Quick4 Equalizer 24 High Capacity SideWinder (polypropylene) Contour Wedge; EQ36 Swivel |
| IWWS-2010-01-R3 | Infiltrator Systems, Inc. | pre-formed HDPE chambers, including angle chamber sections pre-formed HDPE contour wedge, EQ 36 swivel, or standard swivel, side port couplers, and endcaps within the dispersal area geotextile fabric | Infiltrator Quick4 Plus Standard LP (polypropylene) Quick4 Plus Standard Low Profile (LP) All-in-One 8 Endcap Arc 36 LP (polypropylene or polyethylene) |

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| IWWS-2011-01 | PSA, Inc./ADS, Inc./Hancor, Inc. | pre-formed HDPE chambers, including angle chamber sections pre-formed HDPE side port couplers and endcaps within the dispersal area | ARC 36 LP chamber |
| IWWS-2002-02-R3 | Plastic Tubing Industries of Georgia, Inc. | HDPE corrugated pipe (void and distribution) HDPE elle (90°) and tee fittings within the dispersal area | Multi-Pipe trench system 11-Pipe Model |
| IWWS 2015-02 | Presby Environmental Inc. | Enviro-Septic (AES) HDPE perforated pipe with external ridges and internal skimmers pre-formed HDPE couplings and offset adapters within the dispersal area geotextile fabric plastic fiber mat Bio-Accelerator© fabric | Presby Advanced Enviro-Septic (AES) system |
| CDWS-2011-01 | Clearstream Wastewater Systems, Inc. | Geoflow Wasteflow Classic with built-in non-pressure-compensating emitters lockslip couplings (used to connect two Wasteflow driplines together) within the dispersal area | Clearstream Subsurface Drip Dispersal System |
| CDWS 2012-01 | Hoot® Systems, Inc. | Netafim PC polyethylene dripline with built-in pressure compensating emitters Geoflow Wasteflow PC low density polyethylene (LDP) tubing with built-in pressure compensating emitters lockslip couplings (used to connect two Wasteflow driplines together) within the dispersal area | Hoot Subsurface Drip Dispersal System |
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| CDWS 2010-1-R2B (Piedmont) | Infiltrator Systems, Inc. | pre-formed HDPE chambers, including angle chamber sections pre-formed HDPE contour wedge, EQ 36 swivel, or standard swivel, side port couplers, and endcaps within the dispersal area geotextile fabric | Quick4 Plus Standard LP (polypropylene) |
| AWWS 2005-02-R6 | EZflow, LP, a wholly owned subsidiary of Infiltrator Water Technologies, LLC | preassembled unit consisting of perforated pipe, polystyrene aggregate, netting, and geotextile fabric as well as internal coupling devices used to connect bundles. | EZ1203H EZ1203H-GEO |
| AWWS 2005-01-R5 | Infiltrator Water Technologies, LLC | pre-formed HDPE or polypropylene chambers, including angle chamber sections pre-formed HDPE contour wedge, standard swivel, side port couplers, and endcaps within the dispersal area | Infiltrator Standard and Standard SideWinder (polyethylene) Infiltrator High Capacity (polyethylene) Quick4 Plus Standard Quick4 Standard-W Standard SC Standard SideWinder SC (polypropylene) High Capacity SideWinder (polypropylene) Contour Wedge Contour Swivel – Standard Quick4 Standard MultiPort Endcap Quick4 High Capacity MultiPort Endcap Quick4 Plus Standard All-in-One 12 Endcap BioDiffuser Standard Model (polyethylene) BioDiffuser Angle Chamber section ARC 36 (polypropylene or polyethylene) ARC 36 Side Port Coupler (SPC) ARC 36 SPC Endcap |

[Approved via Title 15A Subchapter 18A, Section .1900 of the North Carolina Administrative Code](#)

| Regulatory Citation | Regulator | Component Specifications | |
|---|-------------------------|--|--|
| 15A NCAC 18A .1955(f) & (h) | State of North Carolina | 4" dia. or 6" dia. plastic corrugated pipe certified as complying with ASTM F405 (superceded by ASTM F667/F667M) | |
| 15A NCAC 18A .1956(3)(a)(i) | State of North Carolina | 8" dia. or 10" dia. corrugated polyethylene tubing certified as complying with ASTM F667 encased in textile (nylon, polyester, nylon/polyester blend) wrap | |
| 15A NCAC 18A .1956(3)(a)(ii) | State of North Carolina | pre-cast permeable block panels or porous blocks as part of a PPBPS and all pipe and couplings included with the dispersal area | |
| 15A NCAC 18A .1956(7) | State of North Carolina | corrugated polyethylene tubing certified as complying with ASTM F667 <u>or</u> perforated PVC 160 psi or stronger pressure rated pipe | |
| 15A NCAC 18A .1957(a)(1)(A) | State of North Carolina | PVC 160 psi or stronger pressure rated pipe | |

*In accordance with S.L. 2017-139. Determination of what constitutes a dispersal field product is based upon product being located within the trench that disperses wastewater to the soil. Excludes supply lines and manifolds.

**Note: Controlled Demonstration approval status (CDWS) changed to Provisional approval status (PWWS) by Session Laws 2015-286, s. 4.15(a), effective October 22, 2015.