

Wastewater Management Section

List of Registered On-site Treatment and Distribution Products

As Established in Chapter 246-272A WAC

May 2026



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Glossary of Terms..... <http://www.doh.wa.gov/Portals/1/Documents/Pubs/337-028.pdf>

NOTE:

The presence of a product on this list does not constitute approval of marketing, advertising, or labeling practices employed by a manufacturer, nor is it an affirmation of manufacturer claims of product performance. The listing and provided links to external resources are not an endorsement by the Washington State Department of Health. Information obtained from the sources listed is the sole responsibility of the manufacturer or other provider.

SECTION 1 – Introduction and Overview

Chapter 246-272A WAC establishes a process for proprietary on-site sewage system product registration. The chapter describes requirements for testing, testing protocols, performance thresholds levels, and application processes. This process replaces the previous requirement of having to be on the “List of Approved Systems and Products” (Approved List). When the Washington State Department of Health (DOH or “the department”) determines a product meets the registration requirements established in the rules, the product is added to the “List of Registered On-site Treatment and Distribution Products” (Registered List). This document is a revision to the initial edition of the “Registered List.”

Beginning March 16, 2007, product registration became a condition of approval for use of all proprietary treatment and distribution products, and local health jurisdictions may only permit products that are on the “Registered List.”

On-site sewage technologies must either have standards for use described in WAC 246-272A or Departmental Standards and Guidance (DS&G) before the local health officer (LHO) may permit them. Specific conditions for the use of the technology or product are described in the DS&G documents relevant to the proprietary device. The current version of DS&Gs are on our website: <https://doh.wa.gov/community-and-environment/wastewater-management/forms-publications>

Product models, rated capacities, treatment processes, treatment levels, and dimensional descriptions are in the tables of this document. In addition, terms needing definition or clarification are provided in the [Glossary of Terms](#). This information is provided to facilitate selection and proper application of the technology.

Overview

Treatment or distribution technologies, either proprietary or public domain must be registered with the department and added to the published registered list before they may be permitted by the local health officer (LHO). Sewage tanks, which are on a different registered list, and a gravel-filled drainfield fed either by a gravity or pressure distribution network are excluded from this process. To be added to the list, the following must occur:

1. For all treatment components and distribution technologies other than sewage tanks, the department, with recommendations from the Technical Advisory Group (TAG), may develop guidance in the form of Department Standards and Guidance (DS&G) for a particular type of technology. DS&Gs typically include application, design, installation, operation, monitoring and maintenance, and performance expectation information.
2. For proprietary treatment and distribution products, the manufacturer submits an application for registration with the information required in WAC 246-272A. For proprietary treatment products, laboratory testing documentation verifies the proper testing protocol was used and includes the results of the testing demonstrating product performance.
3. The department verifies the information submitted. The product is registered when all required information and data are included and if the product meets WAC 246-272A requirements for the product type.

Treatment Product Categories and Treatment Levels

Applicable terms to help understand how treatment products are categorized:

Category 1: A treatment component designed to treat sewage typical of a residential source when septic tank effluent is anticipated to be equal to or less than Treatment Level E (*see Table 1*).

Category 2: A treatment component designed to treat high-strength sewage when septic tank effluent is anticipated to be greater than Treatment Level E. Examples of high-strength sewage sources include restaurants, grocery stores, mini-marts, group homes, medical clinics, or residences.

Category 3: A black water (human waste only) component of residential sewage. Primary examples are composting and incinerating toilets.

Treatment Level: Meets 1 of 5 levels (A, B, C, E, & N), and 1 of 3 bacterial levels (BL1, BL2, or BL3) as noted in Table 1 and used in WAC 246-272A to:

- (a) Identify treatment component performance demonstrated requirements specified in WAC 246-272A-0110, and
- (b) Match site conditions of vertical separation and soil type with treatment components. Treatment levels used in WAC 246-272A are not intended to be applied as field compliance standards. Their intended use is to establish treatment product performance in a product testing setting under established protocols by qualified testing entities.

Table 1. Treatment Levels

Level	Parameters					
	CBOD ₅ (mg/L)	TSS (mg/L)	O&G (mg/L)	FC (#/100 mL)	TN (mg/L)	<i>E. coli</i> cfu/100 mL
A	10	10	----	----	----	----
B	15	15	----	----	----	----
C	25	30	----	----	----	----
BL1	----	----	----	200	----	126
BL2	----	----	----	1,000	----	----
BL3	----	----	----	50,000	----	----
E	228	80	20	----	----	----
N	----	----	----	----	30	----

Note:

Values for Levels A - C are maximum 30-day values (averages for CBOD₅, TSS, and geometric mean for FC.) All 30-day averages throughout the test period must meet these values to be registered at these levels. Values for Levels E and N are derived from full test averages.

Changes from previous versions

The following table shows changes from the previous version of this document:

Products Added to the Approved List			
Category 1 Treatment Products			
Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Level/Bacterial Level
Distribution Products			
Manufacturer/Contact Information	Product Name/Model	Type of Distribution Product	
Infiltrator Water Technologies. 4 Business Park Road PO Box 768 Old Saybrook, CT 06475 Tel: (800) 221-4436 Tel: (860) 577-7000 Fax: (860) 577-7001	Arc 18-4	Gravelless Chamber	
	Arc 36 LP-4	Gravelless Chamber	

E-mail: info@infiltratorwater.com Web: http://www.infiltratorwater.com		
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Products *Removed* from the Approved List

Category 1 Treatment Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)
Consolidated Treatment System, Inc. 1501 Commerce Center Drive Franklin, OH 45005 Tel: 937-746-2727 Fax: 937-746-1446 E-mail: jeff@consolidatedtreatment.com Web: www.consolidatedtreatment.com	Enviro-Guard Wastewater Treatment System ENV-0.75 with the Salcor 3G UV disinfection unit	750
	Nayadic Wastewater Treatment System M-6A-F/M-6 M-6A-C/M-6AC-F M-8A-F/M-8A M-1050-F/M-1050A M-1200-F/M-1200A M-2000-F/M-2000A	500 500 600 800 1000 1500
Enviro-Flo, Inc. 151 Custom Drive Flowood, MS 39232 Tel: 360-687-7668 E-mail: NuWater@EkEngineering.net Web: www.enviro-flo.com	Enviro-Flo Wastewater Treatment System E-500 E-550 E-600 E-750 E-1000	500 550 600 750 1000

SECTION 2 – List of Manufacturers with a Registered Product

This is the current list of manufacturers meeting the registration requirements in WAC 246-272A whose products are on the registered list. The list includes the manufacturer's name, contact information, product(s) names/models, and product treatment processes or type. Specific product registration details are in Section 3.

If a manufacturer or product is not listed, or if a listed manufacturer's specific model number is not included on the list, the product IS NOT APPROVED for use in Washington State and may not be permitted by the local health officer (LHO).

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Anua PO Box 77457 Greensboro, NC 27417</p> <p>Tel: 800-787-2356 Tel: 336-547-9338 Fax: 336-547-8559 Web: www.anuainternational.com</p>	<p>Puraflo Peat Fiber Biofilter Wastewater Treatment System</p> <p>P150N 3A P150N 3B P150N 4A P150N 4B P150N 5A P150N 5B P150N 6A P150N 6B P150N 7B P150N 8B P150N 9B P150N 10B</p> <p>Type "A" models have weep holes. Type "B" models are closed bottomed.</p>	<p>450 450 600 600 750 750 900 900 1050 1200 1350 1500</p>	<p>Attached Growth Single-pass Packed Bed Filter</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Bio-Microbics, Inc. 16002 West 110th Street Lenexa, KS 66219</p> <p>Tel: 800-753-3278 Tel: 913-422-0707 Fax: 913-422-0808 E-mail: onsite@biomicrobics.com Web: www.biomicrobics.com</p>	<p>FAST Wastewater Treatment System*</p> <p>RetroFAST 0.4</p> <p>MicroFAST Flex 0.4</p> <p>MicroFAST 0.5</p> <p>MicroFAST Flex 0.5</p> <p>MicroFAST 0.625**</p> <p>MicroFAST 0.75</p> <p>MicroFAST 0.9</p> <p>MicroFAST 1.5</p> <p>MicroFAST 3.0**</p> <p>MicroFAST 4.5**</p> <p>MicroFAST 9.0**</p> <p>*These models are also listed in Category 2. **For Total Nitrogen reduction supplemental BOD may be applied in the form of MicroC™ when the influent BOD:TKN ratio is less than 4:1. For Total Nitrogen applications with or without the addition of MicroC™ the system design will require a review by Bio-Microbics, Inc.</p>	<p>400</p> <p>400</p> <p>500</p> <p>500</p> <p>625</p> <p>750</p> <p>900</p> <p>1500</p> <p>3000</p> <p>4500</p> <p>9000</p>	<p>Attached & Suspended Growth</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Bio-Microbics, Inc. (continued)	FAST, Wastewater Treatment System with the Salcor 3G UV disinfection unit* MicroFAST Flex 0.4 with Salcor 3G MicroFAST Flex 0.5 with Salcor 3G MicroFAST 0.5 with the Salcor 3G MicroFAST 0.625 with the Salcor 3G – 2** MicroFAST 0.75 with the Salcor 3G – 2** MicroFAST 0.9 with the Salcor 3G – 2** MicroFAST 1.5 with the Salcor 3G – 3** MicroFAST 3.0 with the Salcor 3G – 6** MicroFAST 4.5 with the Salcor 3G – 7** MicroFAST 9.0 with the Salcor 3G – 7** *MicroFAST treated effluents are split to multiple Salcor 3G units proportionally so that each UV unit receives no more than 500 gpd. **For Total Nitrogen reduction supplemental BOD may be applied in the form of MicroC™ when the influent BOD:TKN ratio is less than 4:1. In model applications with or without the addition of MicroC™ the system design will require a review by Bio-Microbics, Inc.	400 500 500 625 750 900 1500 3000 4500 9000	Attached & Suspended Growth & UV Disinfection Treatment Sequence

<p>Bio-Microbics, Inc. (continued)</p>	<p>FAST, Wastewater Treatment System with the Norweco AT1500 UV disinfection unit*</p> <p>MicroFAST Flex 0.4 with Norweco AT 1500 UV 400</p> <p>MicroFAST Flex 0.5 with Norweco AT 1500 UV 500</p> <p>MicroFAST 0.5 with the Norweco AT 1500 UV 500</p> <p>MicroFAST 0.625 with the Norweco AT 1500 UV – 2** 625</p> <p>MicroFAST 0.75 with the Norweco AT 1500 UV – 2** 750</p> <p>MicroFAST 0.9 with the Norweco AT 1500 UV – 2** 900</p> <p>MicroFAST 1.5 with the Norweco AT 1500 UV – 3** 1500</p> <p>MicroFAST 3.0 with the Norweco AT 1500 UV – 6** 3000</p> <p>MicroFAST 4.5 with the Norweco AT 1500 UV – 7** 4500</p> <p>MicroFAST 9.0 with the Norweco AT 1500 UV – 7** 9000</p> <p>*MicroFAST treated effluents are split to multiple Norweco AT 1500 UV units proportionally so that each UV unit receives no more than 500 gpd.</p> <p>**For Total Nitrogen reduction supplemental BOD may be applied in the form of MicroC™ when the influent BOD:TKN ratio is less than 4:1. In model applications with or without the addition of MicroC™ the system design will require a review by Bio-Microbics, Inc.</p>		<p>Attached & Suspended Growth & UV Disinfection Treatment Sequence</p>
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Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	BioBarrier MBR, Wastewater Treatment System MBR 0.5 MBR 1.0 MBR 1.5	500 1000 1500	Membrane Bioreactor
	BioBarrier MBR, Wastewater Treatment System MBR 0.5-N MBR 1.0-N MBR 1.5-N Requires a three-compartment tank w/ a mixing pump in the middle chamber.	500 1000 1500	Membrane Bioreactor with Nitrogen Reduction
Busse Green Technologies, Inc 1101 S Euclid Avenue Oak Park, IL 60304 Tel: 708-204-3504 E-mail: info@busse-gt.com Web: www.busse-gt.com www.bussegt.com	Busse Wastewater Treatment System GT-400 GT-500 GT-800 GT-1000 GT-1200 *Protection from freezing is required	400 500 800 1000 1200	Membrane Bioreactor

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Clearstream Wastewater Systems, Inc. PO Box 7568 Beaumont, TX 77712-1500</p> <p>Tel: 409-755-1500 Email: governmentaffairs@clearstreamsystems.com Web: www.clearstreamsystems.com</p> <p>Clearstream Wastewater Systems, Inc. (continued)</p>	<p>Clearstream Aerobic Treatment Units 500D/DC, 500DS/DSC, 500DST, 500DT, 500DC2, 500DC2P, 500DC3-500, 500DC3-7500 600D/DC, 600DT, 600DC2, 600DC3 1000DD, 1000DCD, 1000DTD</p>	<p>500 500 600 1000</p>	<p>Extended aeration mode of the Activated Sludge process</p>
	<p>Clearstream 500G Series Aerobic Treatment Units with CS 120 UV disinfection unit 500G/GC, 500GS/GSC., 500GST, 500GT, 500GC2, 500GC2P, 500GC3-500, 500GC3-750</p>	<p>500 500</p>	<p>Extended aeration mode of the Activated Sludge process and UV Disinfection Treatment Sequence</p>
	<p>Clearstream Aerobic Treatment Units 500G/GC, 500GS/GSC, 500GST, 500GT, 500GC2, 500GC2P, 500GC3-500, 500GC3-750 600G/GC, 600GT, 600GC2, 600GC3 1000GD, 1000GCD, 1000GTD</p>	<p>500 500 600 1000</p>	<p>Extended aeration mode of the Activated Sludge process</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	Clearstream Aerobic Treatment Units 500DA/DAC, 500DAS/DASC, 500DAST, 500DAT, 500DAC2, 500DAC3-500, 500DAC3- 750, 500DAU 600DA/DAC, 600DAT, 600DAC2, 600DAC3, 600DAU 800DA/DAC, 800DAT, 800DAC2	500 600 800	Extended aeration mode of the Activated Sludge process
Consolidated Treatment System, Inc. 1501 Commerce Center Drive Franklin, OH 45005 Tel: 937-746-2727 Fax: 937-746-1446 E-mail: jeff@consolidatedtreatment.com Web: www.consolidatedtreatment.com	Multi-Flo Wastewater Treatment System FTB-0.5 FTB-0.6 FTB-0.75 FTB-1.0 FTB-1.5	500 600 750 1000 1500	Suspended Growth with Filtration Process

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Ecological Tanks, Inc 2247 Highway 151 North Downsville, LA 71234 Tel: 800-277-8179 Tel: 318-644-0397 Fax: 618-644-7257 E-mail: aquasafe@bayou.com Web: www.etiaquasafe.com	Aqua Safe Series		
	AS500	500	Suspended Growth
	AS600	600	
	AS750	750	
	AS1000	1000	
	AS1500	1500	
	AS500L	500	
	AS600L	600	
	AS800L	800	
	AS1100L	1100	
Aqua Safe AS600 + 4NR AS600 + 5NR	600		
	600		
Aqua Safe + NR			
AS600 + 4NR without UV	600	Suspended Growth & UV Disinfection Treatment Sequence	
Aqua Safe + NR			
AS600 + 4NR w/ Disinfector UV	600		

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Ecological Tanks, Inc (continued)	Aqua Aire Series AA500 AA600 AA750 AA800 AA1000 AA1200 AA1500	500 600 750 800 1000 1200 1500	Suspended Growth
Eljen Corporation 90 Meadow Rd Windsor, CT 06095 Tel: 800-444-1359 Fax: 860-610-0427 E-mail: jking@eljen.com Web: www.eljen.com	GSF A42	450 600 750 900 1050 1200 1350 1200 1350 1500	Single pass Attached Growth Geotextile Sand Filter
Enviro-Flo, Inc. 151 Custom Drive Flowood, MS 39232	NuWater B-Series B-500 with Jet Illumi-Jet 952 UV	500	Suspended Growth & UV Disinfection Treatment Sequence

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Tel: 360-687-7668 E-mail: NuWater@EkEngineering.net Web: www.enviro-flo.com	NuWater BNR Series BNR 500 BNR 600 BNR750 BNR850 BNR1000 BNR1500	500 600 750 850 1000 1500	Suspended Growth
	NuWater BNR with UV BNR 500 with Jet Illumi-Jet 952 UV BNR 600 with Jet Illumi-Jet 952 UV	500 600	Suspended Growth & UV Disinfection Treatment Sequence
Fuji Clean, USA, LLC 41-2 Greenwood Road Brunswick, ME 04011 Tel: 207-406-2927 Fax: 207-406-2929 E-mail: info@fujicleanusa.com Web: www.fujicleanusa.com	CEN series with UV CEN5 with Norweco AT 1500 UV CEN7 with Norweco AT 1500 UV CEN10 with Norweco AT 1500 UV CEN14 with Norweco AT 1500 UV CEN21 with Norweco AT 1500 UV	500 700 1000 1350 1900	Attached & Suspended Growth with UV Disinfection Treatment Sequence

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Glendon BioFilter Technologies, Inc. PO Box 2585 Gig Harbor, WA 98335 Tel: 206-819-8803 E-mail: paulv@glendon.com Web: www.glendon.com	Glendon BioFilter Treatment System M31* *Multiple units, in the same or a variety of sizes, may be used in parallel to accomplish daily design flows to 3,500 gpd.	120 (per each prefabricated basin)	Upflow Media Filtration
	Glendon BioFilter Treatment System M32* *Multiple units, in the same or a variety of sizes, may be used in parallel to accomplish daily design flows to 3,500 gpd.	120 (per each prefabricated basin)	Upflow Media Filtration
Infiltrator Water Technologies, LLC 4 Business Park Road / PO Box 768 Old Saybrook, CT 06475 Tel: 800-221-4436 Fax: 800-577-7000 E-mail: info@infiltratorwater.com	Whitewater DF Series Aerobic Treatment Units DF75 DF100 DF100A DF150	750 1000 1000 1500	Suspended Growth

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Infiltrator Water Technologies, LLC (Continued)	ECOPOD N Series Wastewater Treatment System		
	E50NCA	500	Attached Growth
	E50-N-IM1060	500	
	E50-N-CM1060	500	
	E60NCA	600	
	E60-N-IM1060	600	
	E60-N-CM1060	600	
	E75NCA	750	
	E75-N-IM1060	750	
	E75-N-CM1060	750	
	E100NCA	1000	
	E100-N-IM 1530	1000	
	E150NCA	1500	
	E200-NFF	2000	
E250-NFF	2500		
E300-NFF	3000		

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Infiltrator Water Technologies, LLC (Continued)	ECOPOD N Series Wastewater Treatment System with the Orenco UV disinfection unit		
	E50NCA - 1 Orenco UV unit	500	
	E50-N-IM1060 - 1 Orenco UV unit	500	
	E50-N-CM1060 - 1 Orenco UV unit	500	
	E60NCA - 1 Orenco UV unit	600	Attached Growth and UV Disinfection Treatment Sequence
	E60-N-IM1060 - 1 Orenco UV unit	600	
	E60-N-CM1060 - 1 Orenco UV unit	600	
	E75NCA - 1 Orenco UV unit	750	
	E75-N-IM1060 - 1 Orenco UV unit	750	
	E75-N-CM1060 - 1 Orenco UV unit	750	
	E100NCA - 2 Orenco UV units	1000	
	E100-N-IM 1530 - 2 Orenco UV units	1000	
	E150NCA - 2 Orenco UV units	1500	
	E200-NFF - 3 Orenco UV units	2000	
	E250-NFF - 3 Orenco UV units	2500	
E300-NFF - 4 Orenco UV units	3000		

<p>Lowridge Onsite Technologies, LLC PO Box 1179 Lake Stevens, WA 98258</p> <p>Tel: 877-476-8823 E-mail: info@lowridgetech.com Web: www.lowridgetech.com</p>	<p>OSCAR-II Series</p> <p>OSII-240 OSII-300 OSII-360 OSII-450 OSII-480 OSII-600</p> <p>*Multiple OSCAR coil units, in the same or a combination of sizes, may be used in series and/or parallel to accomplish daily design flows up to 3,500 gpd. Contact the manufacturer for specific design details.</p> <p>OSCAR-III Series</p> <p>OSIII – 240 OSIII – 300 OSIII – 360 OSIII – 450 OSIII – 480</p> <p>*Multiple OSCAR coil units, in the same or a combination of sizes, may be used in series and/or parallel to accomplish daily design flows up to 3,500 gpd. Contact the manufacturer for specific design details.</p>	<p>240 300 360 450 480 600</p> <p>240 300 360 450 480</p>	<p>Treatment Vessel to Dosing Tank w/ headworks dosed into OSCAR Coils on 6" ASTM C-33 sand Treatment Sequence</p> <p>Treatment Vessel to Dosing Tank w/ headworks dosed into OSCAR Coils on 12" ASTM C-33 sand Treatment Sequence</p>
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Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Lowridge Onsite Technologies, LLC (continued)	OSCAR-in-a-Box Series OSB - 240 OSB - 300 OSB - 360 OSB - 450 OSB - 480 OSB - 600	240 300 360 450 480 600	Treatment Vessel to Dosing Tank w/ headworks dosed into OSCAR Coils on 12" ASTM C-33 sand inside a PVC-lined containment vessel with underdrain-effluent collection to dispersal component.
	OSCAR-XO2 Series XO2-500 XO2-750 XO2-1125 XO2-2250 XO2-3000 XO2-3500	500 750 1125 2250 3000 3500	Attached & Suspended Growth

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	<p>XO2 In-a-box (XO2 B) XO2 B - 240 XO2 B - 300 XO2 B - 360 XO2 B - 450 XO2 B - 480 XO2 B - 600</p> <p>*Multiple OSCAR coil units, in the same or a combination of sizes, may be used in series and/or parallel to accomplish daily design flows up to 3,500 gpd. Contact the manufacturer for specific design details.</p>	<p>240 300 360 450 480 600</p>	<p>Attached & Suspended Growth</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Norweco, Inc. 220 Republic Street Norwalk, OH 44857-1196</p> <p>Tel: 419-668-4471 Fax: 419-663-5440 E-mail: customerservice@norweco.com Web: www.norweco.com</p>	<p>Singulair Wastewater Treatment System (960 series) with Singulair Model 225L Aerator.</p> <p>Singulair 960-500 Singulair 960-500 Singulair 960-750 Singulair 960-750 Singulair 960-1000 Singulair 960-1250 Singulair 960-1500 Singulair 960LP-500 Singulair 960LP-500 Singulair 960LP-1000 Singulair 960-OP-500 Singulair 960-OP-500 Singulair 960-OP-1000</p>	<p>500 600 750 800 1000 1250 1500 500 600 1000 500 600 1000</p>	<p>Suspended Growth with Filtration Process</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Norweco, Inc. (continued)	Singulair Wastewater Treatment System (TNT series) with Singulair Model 206C Aerator or Model 225L Aerator. Singulair TNT-500 Singulair TNT-500 Singulair TNT-750 Singulair TNT-750 Singulair TNT-1000 Singulair TNT-1250 Singulair TNT-1500 Singulair TNT-OP-500 Singulair TNT-OP-500 Singulair TNT-OP-1000	 500 600 750 800 1000 1250 1500 500 600 1000	 Suspended Growth with Filtration Process

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	<p>Singlair Wastewater Treatment System (960 series) with Singlair Model 225L Aerator and AT 1500 UV.</p> <p>Singlair 960-500 – 1 UV Unit</p> <p>Singlair 960-500 – 2 UV Units</p> <p>Singlair 960-750 – 2 UV Units</p> <p>Singlair 960-750 – 2 UV Units</p> <p>Singlair 960-1000 – 2 UV Units</p> <p>Singlair 960-1250 – 3 UV Units</p> <p>Singlair 960-1500 – 3 UV Units</p> <p>Singlair 960LP-500 – 1 UV Unit</p> <p>Singlair 960LP-500 – 2 UV Units</p> <p>Singlair 960LP-1000 – 2 UV Units</p> <p>Singlair 960-OP-500 – 1 UV Unit</p> <p>Singlair 960-OP-500 – 2 UV Units</p> <p>Singlair 960-OP-1000 – 2 UV Units</p>	<p>500</p> <p>600</p> <p>750</p> <p>800</p> <p>1000</p> <p>1250</p> <p>1500</p> <p>500</p> <p>600</p> <p>1000</p> <p>500</p> <p>600</p> <p>1000</p>	<p>Suspended Growth with Filtration Process & UV Disinfection Treatment Sequence</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	<p>Singlair Wastewater Treatment System TNT series with the Norweco AT1500 UV Unit and Singlair Model 206C Aerator or Model 225L Aerator.</p> <p>Singlair TNT-500 – 1 UV Unit Singlair TNT-500 – 2 UV Units Singlair TNT-750 – 2 UV Units Singlair TNT-750 – 2 UV Units Singlair TNT-1000 – 2 UV Units Singlair TNT-1250 – 3 UV Units Singlair TNT-1500 – 3 UV Units Singlair TNT-OP-500 – 1 UV Unit Singlair TNT-OP-500 – 2 UV Units Singlair TNT-OP-1000 – 2 UV Units</p>	<p>500 600 750 800 1000 1250 1500 500 600 1000</p>	<p>Suspended Growth with Filtration Process & UV Disinfection Treatment Sequence</p>
	<p>Hydro-Kinetic 600 FEU with Norweco AT 1500 UV disinfection unit</p>	<p>500</p>	<p>Activated Sludge, Anaerobic, Anoxic, Extended Aeration, Gravity Settling, and Filtration with UV Disinfection Treatment Sequence</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Orenco Systems Inc. 814 Airway Avenue Sutherlin, Oregon 97479</p> <p>Tel: 800-230-9580 Tel: 541-459-4449 Fax: 541-459-2884 E-mail: mlynch@orengo.com Web: www.orengo.com</p>	<p>AdvanTex® Wastewater Treatment System</p> <p>AX20 *AX20 – 2 *AX20 – 3 *AX20 – 4 *AX100 *AX100 – 2</p> <p>*System applications greater than 6 bedrooms and applications other than single family residential will require a design review by Orenco Systems, Inc.</p> <p>AdvanTex® Wastewater Treatment System (2 or 3 compartment recirculating tank) AX20RT AX25RT</p>	<p>500 1000 1500 2000 2500 3500</p> <p>500 625</p>	<p>Attached Growth Multipass Packed Bed Filter</p>

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Orenco Systems Inc. (continued)	AdvanTex® AX Series with Orenco UV disinfection unit AX20 with Orenco UV unit *AX20 – 2 with Orenco UV units - 2 *AX20 – 3 with Orenco UV units - 3 *AX20 – 4 with Orenco UV units - 4 *AX100 with Orenco UV units - 5 *AX100 – 2 with Orenco UV units -7 *System applications greater than 6 bedrooms and applications other than single family residential will require a design review by Orenco Systems, Inc.	500 1000 1500 2000 2500 3500	Attached Growth Multipass Packed Bed Filter & UV Disinfection Treatment Sequence
	AdvanTex® AX Series with Orenco UV disinfection unit AX20RT – with Orenco AX25RT – with Orenco-2	500 625	Attached Growth Multipass Packed Bed Filter & UV Disinfection Treatment Sequence

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
	AdvanTex® AX-MAX Series (with discharge pump assembly) AX-MAX075-14 AX-MAX125-21 AX-MAX175-28	 1,875 3,125 3,500	 Attached Growth Multipass Packed Bed Filter
Orenco Systems Inc. (continued)	AdvanTex AX-MAX Series with Orenco UV disinfection units (without discharge pump assembly) AX-MAX075-14 with Orenco UV units - 4 AX-MAX125-21 with Orenco UV units - 7 AX-MAX175-28 with Orenco UV units - 7	 1,875 3,125 3,500	 Attached Growth Multipass Packed Bed Filter & UV Disinfection Treatment Sequence
SeptiTech A subsidiary of Bio-Microbics, Inc 69 Holland Street Lewiston, ME 04240 Tel: 207-333-6940 Fax: 207-333-6944	SeptiTech Treatment System STAAR 0.5 STAAR 0.75 STAAR 1.0 STAAR 1.2 STAAR 1.5	 440 660 880 1200 1500	 Trickling Filter

Manufacturers of Registered Category 1 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
E-mail: info@septitech.com Web: www.septitech.com	SeptiTech Treatment System with nitrogen reduction STAAR 0.5D STAAR 0.75D STAAR 1.0D STAAR 1.2D STAAR 1.5D	440 660 880 1200 1500	Trickling Filter
SludgeHammer Group Ltd 4772 US 131 South Petoskey, MI 49770 E-Mail: rzaremba@sludgehammer.net Web: https://sludgehammer.net/	SludgeHammer S-400 series S-400 S-800 S-1000	400 800 1000	Fixed Film Bioreactor

Manufacturers of Registered Category 2 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
Aqua Test Inc. PO Box 1116 Black Diamond, WA 98010 Tel: 1-800-221-3159 Tel: 425-432-9360 Fax: 425-413-9431 E-mail: office@aquatestinc.com Web: www.aquatestinc.com	NIBBLER Wastewater Treatment Process NIBBLER SBP & NIBBLER CBP	200 (when O&G is ≤50 mg/L) 137.5 (when O&G is >50 mg/L)	Attached & Suspended Growth
	NIBBLER Jr.	500	Attached & Suspended Growth
Aquapoint LLC 39 Tarklin Place New Bedford, MA 02745 Tel: 508-985-9050 E-mail: Web: Aquapoint.com	Bioclere Trickling Filter 16/12-SS 16/12-LS 16/15 16/19 16/22 16/25 24/12/950 24/12/1600 *for systems larger than 3500 GPD, contact the manufacturer for additional products.	500 750 1000 1500 2000 2500 2500 2500	Fixed Film Trickling Filter

Manufacturers of Registered Category 2 Treatment Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (gpd)	Treatment Process
<p>Bio-Microbics, Inc. 16002 West 110th Street Lenexa, KS 66219</p> <p>Tel: 800-753-3278 Tel: 913-422-0707 Fax: 913-422-0808 E-mail: onsite@biomicrobics.com Web: www.biomicrobics.com</p>	<p>FAST Wastewater Treatment System</p> <p>MicroFAST Flex 0.4 MicroFAST Flex 0.5 MicroFAST 0.5 MicroFAST 0.75 MicroFAST 0.9 MicroFAST 1.5 MicroFAST 3.0 MicroFAST 4.5 MicroFAST 9.0</p> <p>These models are also used in Category 1. Models designed to treat high-strength sewage with the O&G influent level to the MicroFAST < 50 mg/L. Models may be used in non-single family residential designs when the design is reviewed by Bio-Microbics Inc. and documentation of the review is provided.</p>	<p>400 500 500 750 900 1500 3000 4500 9000</p>	<p>Attached & Suspended Growth</p>

Manufacturers of Registered Category 3 *Treatment* Products

Manufacturer/ Contact Information	Product Name / Model	Rated Capacity (persons or uses/day)	Treatment Process
<p>Cinderella Eco Group Sjøvikvegen 67 Midsund, Norway 6475</p> <p>Espen Ingeborgvik +4747889486 post@cinderellaeco.no cinderellaeco.com</p>	<p>Cinderella Comfort Model EM01CS02-NA</p>	<p>4-person / 12 uses/day</p>	<p>Incinerating Toilet</p>

<p>Clivus Multrum, Inc. 15 Union Street Lawrence, MA 01840</p> <p>Tel: 800-425-4887 Fax: 978-557-9658 E-mail: brian@clivusmultrum.com Web: www.clivusmultrum.com</p>	<p>Clivus Multrum Composting Toilet</p> <p>M1 M2 M3 M10 M12 M15 M18 M32 M35 M54ADA Outback</p>	<p>10-uses/day 15 uses/day 40 uses/day 60 uses/day 80 uses/day 100 uses/day 120 uses/day 110 uses/day 180 uses/day 60 uses/day 20 uses/day</p>	<p>Composting Toilet</p>
<p>Global Inventive Industries, Inc DBA: EcoJohn 6148 Getty Drive North Little Rock, AR 72117</p> <p>Tel: 501-833-0144 E-mail: info@ecojohn.com Web: www.ecojohn.com</p>	<p>SepticJohn WC Series</p> <p>WC5 WC 32 WC48 WC64</p>	<p>37 gal/day 2 persons 75 gal/day 4 persons 150 gal/day 8 persons 300 gal/day 16 persons</p>	<p>Incinerating Toilet</p>

Manufacturers of Registered Category 3 *Treatment* Products

Manufacturer/Contact Information	Product Name/Model	Rated Capacity (persons or uses/day)	Treatment Process
<p>Research Products / Blankenship 2639 Andjon Drive Dallas, TX 75220</p> <p>Tel: 800-527-5551 Tel: 214-358-4238 Fax: 214- 350-7919 E-mail: sales@incinolet.com Web: www.incinolet.com</p>	<p>Incinolet Electric Incinerating Toilet CF TR WB</p>	<p>4-person 8-person 4/8-person</p>	<p>Incinerating Toilet</p>
<p>Sun-Mar Corporation 5370 South Service Road Burlington, Ontario, Canada L7L 5L1</p> <p>Tel: 800-461-2461 Tel: 905-332-1314 Fax: 905-332-1315 E-mail: joelocicero@sun-mar.com Web: www.sun-mar.com</p>	<p>Sun-Mar Composting Toilet Excel Centrex 2000 A/F Centrex 2000 A/F AC/DC Centrex 3000 A/F Centrex 3000 A/F AC/DC Compact Spacesaver Sun-Mar Mobile Excel NE</p>	<p>3-person residential 4-person residential 3-person residential 5-person residential 4-person-residential 1-person residential 1-person residential 1-person residential 2-person residential</p>	<p>Composting Toilet</p>

Manufacturers of Registered *Distribution* Products

Manufacturer Contact Information	Product Name/Model	Emitter Flow Rate Nominal GPH	Type of Distribution Product
Geoflow P.O. Box 77457 Greensboro, NC 27417 Tel: 800-828-3388 Tel: 336-547-9338 E-mail: info@geoflow.com Web: www.geoflow.com	WaterflowPRO G-WFCL-16-4-24 G-WFPC-16-2-12 G-WFPC-16-4-12 G-WFPC-16-2-24 G-WFPC-16-4-24	 1.3 0.6 0.9 0.6 0.9	Dripline
	WaterflowECO G-WFPC-17-1.6-24-ECO G-WFPC-17-2-24-ECO G-WFPC-17-4-24-ECO	 0.4 0.6 1.0	Dripline

Manufacturers of Registered *Distribution* Products

Manufacturer Contact Information	Product Name/Model	Emitter Flow Rate Nominal GPH	Type of Distribution Product
<p>Infiltrator Water Technologies, LLC 4 Business Park Road PO Box 768 Old Saybrook, CT 06475</p> <p>Tel: 800-221-4436 Tel: 860-577-7100 Fax: 860-577-7001 E-mail: info@infiltratorsystems.net Web: www.infiltratorwater.com</p>	<p>Infiltrator Chamber Leach Field System Standard Arc 18 – 4 ARC 36 ARC 36HC ARC 36 LP ARC 36 LP - 4 ARC 24 14" High Capacity 11" Standard Bio 2 Bio 3 High Capacity Equalizer 36 Equalizer 24 Quick4 Standard Quick4 High Capacity Quick4 Equalizer 36 Quick4 Equalizer 24 Quick4 Plus Standard Quick4 Plus Standard Low Profile Quick5 Standard Quick5 Equalizer 36</p>	<p>N/A</p>	<p>Gravelless Chamber</p>

Manufacturers of Registered *Distribution* Products

Manufacturer Contact Information	Product Name/Model	Emitter Flow Rate Nominal GPH	Type of Distribution Product
Infiltrator Water Technologies, LLC Continued	Engineered Aggregate Systems – EZFlow Products 1003-H 1003-T 1203-H 1003-H-GEO 1003-T-GEO 1203-H-GEO	N/A	Gravel Substitute
Netafim 5470 E. Home Avenue Fresno, CA 93727 Tel: 888-638-2346 Tel: 585-615-6440 E-mail: mai.thao@netafimusa.com Web: www.netafimusa.com	Bioline Dripperline* 0.4 GPH Dripper 0.6 GPH Dripper 0.9 GPH Dripper *"Techfilter" disk filter with root inhibitor implanted into replaceable disk cartridge is optional.		Dripline

Manufacturers of Registered *Distribution* Products

Manufacturer Contact Information	Product Name/Model	Emitter Flow Rate Nominal GPH	Type of Distribution Product
Prinsco, Inc. 1717 16 th Street NE Willmar, MN 56201 Tel: (320) 222-6800 Tel: (800) 992-1725 E-mail: JuddE@prinsco.com Web: www.prinsco.com	Prinsco Pro4 Onsite Chambers Pro4/24 & Endcap Pro4/36 & Endcap Pro4/36/LP & Endcap	n/a	Gravelless Chambers

SECTION 3 – List of Registered On-site Treatment and Distribution Products

Below is the current list of registered treatment and distribution products by product type, listed under the categories and allowances provided in WAC 246-272A. The list includes lists of the following:

- Treatment products
 - Categories 1, 2, & 3
 - Treatment levels met as verified by test results using the protocol required by WAC 246-272A
 - Proprietary and public domain products
- Proprietary distribution technologies
 - Gravelless distribution products
 - Subsurface dripline products

Unless this list contains specific model numbers, all models listed in Section 2 are assumed to meet the applicable requirements for listing in this section.

If a certain product is not listed, or if a listed manufacturer's specific model number is not included on the list, the product IS NOT APPROVED for use in Washington State and may not be permitted by the local health officer (LHO).

Registered Treatment Products

Category 1: Proprietary

Proprietary Product Name / Model	TLA	TLB	TLC	BL1	BL2	BL3	TLE	TLN
AdvanTex AX-MAX075-14, AX-MAX125-21, AX-MAX175-28 with Orenco UV Units	✓	✓	✓	✓	✓	✓	✓	✓
AdvanTex AX20, AX20-2, AX20-3, AX20-4, AX100, AX100-2			✓			✓		✓
AdvanTex AX20RT and AX25RT			✓			✓		✓
AdvanTex AX20, AX20-2, AX20-3, AX20-4, AX100, AX100-2 with Orenco UV Units	✓	✓	✓	✓	✓	✓	✓	✓
AdvanTex AX20RT and AX25RT with Orenco UV Units	✓	✓	✓	✓	✓	✓	✓	✓
AdvanTex AX-MAX, AX-MAX075-14, AX-MAX125-21, AX-MAX175-28			✓			✓		✓
Aqua Aire Series AA500, AA600, AA750, AA800, AA1000, AA1200, AA1500							✓	
Aqua Safe AS600 + NR							✓	
Aqua Safe AS600 + NR w/ Disinfectant UV and Salcor 3G UV		✓	✓		✓	✓	✓	
Aqua Safe Series AS500, AS600, AS750, AS1000, AS1500, AS500L, AS600L, AS800L, and AS1100L							✓	
BioBarrier MBR 0.5, 1.0, and 1.5	✓	✓	✓	✓	✓	✓	✓	
BioBarrier MBR 0.5-N, 1.0-N, and 1.5-N	✓	✓	✓	✓	✓	✓	✓	✓
Bioclere Trickling Filter 16/12-SS, 16/12-LS, 16/15, 16/19, 16/22, 16/25, 24/12/950, 24/12/1600		✓	✓		✓	✓	✓	✓
Busse MBR GT400, GT500, GT800, GT1000, & GT1200	✓	✓	✓	✓	✓	✓	✓	
Clearstream 500 G Series Aerobic Treatment Units with CS 120 UV disinfection unit 500G/GC, 500GS/GSC, 500GST, 500GT, 500GC2, 500GC2P, 500GC3-500, 500GC3-750	✓	✓	✓	✓	✓	✓	✓	
Clearstream Aerobic Treatment Units 500D/DC, 500DS/DSC, 500DST, 500DC2, 500DC2P, 500DC3-500, 500DC3-750, 600D/DC, 600DT, 600DC2, 600DC3, 1000DD, 1000DCD, 1000DTD		✓	✓		✓	✓	✓	✓
Clearstream Aerobic Treatment Units 500G/GC, 500GS/GSC, 500GST, 500GT, 500GC2, 500GC2P, 500GC3-500, 500GC3-750, 600G/GC, 600GT, 600GC2, 600GC3, 1000GD, 1000GCD, 1000GTD			✓			✓	✓	
Clearstream Aerobic Treatment Units 500DA/DAC, 500DAS/DASC, 500DAST, 500DAT, 500DAC2, 500DAC3-500, 500DAC3-750, 500DAU, 600DA/DAC, 600DAT, 600DAC2, 600DAC3, 600DAU, 800DA/DAC, 800DAT, 800DAC2		✓	✓		✓	✓	✓	
ECOPOD E50 and E60 with Salcor 3G UV		✓	✓		✓	✓	✓	

Proprietary Product Name / Model	T/A	T/B	T/C	B/L1	B/L2	B/L3	T/E	T/N
ECOPOD E50, E60							✓	
ECOPOD E50-N, E60-N, E75-N							✓	
ECOPOD E50NCA, E60NCA, E75NCA, E100NCA, E150NCA, E200-NFF, E250-NFF, E300-NFF, E50-N-IM1060, E60-N-IM1060, E75-N-IM1060			✓			✓	✓	✓
ECOPOD E50NCA, E60NCA, E75NCA, E100NCA, E150NCA, E200-NFF, E250-NFF, E300-NFF, E50-N-IM1060, E60-N-IM1060, E75-N-IM1060 with Orenco UV	✓	✓	✓	✓	✓	✓	✓	✓
ECOPOD E50NCA, E60NCA, E75NCA, E100NCA, E150NCA, E200-NFF, E250-NFF, E300-NFF, E50-N-IM1060, E60-N-IM1060, E75-N-IM1060 with Jet Illumi-Jet UV	✓	✓	✓	✓	✓	✓	✓	✓
ECOPOD E50NCA, E60NCA, E75NCA, E100NCA, E150NCA, E200-NFF, E250-NFF, E300-NFF, E50-N-IM1060, E60-N-IM1060, E75-N-IM1060 with Norweco AT 1500 UV	✓	✓	✓	✓	✓	✓	✓	✓
Eljen GSF/A42			✓			✓	✓	
Enviro-Flo E-500, E-550, E-600, E-750, & E-1000							✓	
Fuji Clean CEN5, CEN7, CEN10, CEN14, CEN21 with Salcor 3G UV	✓	✓	✓	✓	✓	✓	✓	✓
Fusion ZF450, ZF600, ZF800							✓	
Glendon BioFilter M31	✓	✓	✓	✓	✓	✓	✓	
Glendon BioFilter M32	✓	✓	✓	✓	✓	✓	✓	
Hydro-Kinetic 600 FEU with Norweco AT 1500 UV	✓	✓	✓	✓	✓	✓	✓	✓
MicroFAST Flex 0.4 & 0.5; MicroFAST 0.5, 0.625, 0.75, 0.9, 1.5, 3.0, 4.5, 9.0							✓	✓
MicroFAST Flex 0.4 & 0.5; MicroFAST 0.5, 0.625, 0.75, 0.9, 1.5, 3.0, 4.5, 9.0 with Salcor 3G UV	✓	✓	✓	✓	✓	✓	✓	✓
MicroFAST Flex 0.4 & 0.5; MicroFAST 0.5, 0.625, 0.75, 0.9, 1.5, 3.0 with Norweco AT 1500 UV	✓	✓	✓	✓	✓	✓	✓	✓
Multi-Flo FTB-0.5, FTB-0.6, FTB-0.75, FTB-1.0, FTB-1.5							✓	
NuWater BNR-500, BNR-600, BNR-750, BNR-850, BNR-1000, BNR-1500		✓	✓		✓	✓	✓	✓
NuWater BNR-500, BNR-600, BNR-750, BNR-850, BNR-1000, BNR-1500 with Salcor 3G UV	✓	✓	✓	✓	✓	✓	✓	✓
NuWater BNR-500, BNR-600, BNR-750, BNR-850, BNR-1000, BNR-1500 with Jet Illumi-Jet 952 UV	✓	✓	✓	✓	✓	✓	✓	✓
OSCAR-II Series: OSII-240, OSII-300, OSII-360, OSII-450, OSII-480, OSII-600			✓			✓	✓	
OSCAR-III Series OSIII – 240, OSIII – 300, OSIII – 360, OSIII – 450, OSIII - 480		✓	✓		✓	✓	✓	

Proprietary Product Name / Model	T/A	T/B	T/C	B/L1	B/L2	B/L3	T/E	T/LN
OSCAR-in-a-Box™		✓	✓		✓	✓	✓	
OSCAR-XO2	✓	✓	✓	✓	✓	✓	✓	
XO2-in-a-box (XO2 B)	✓	✓	✓	✓	✓	✓	✓	
Puraflo Peat Fiber Biofilter P150N 3A, P150N 4A, P150N 5A, and P150N 6A							✓	
Puraflo Peat Fiber Biofilter P150N 3B, P150N 4B, P150N 5B, P150N 6B, P150N 7B, P150N 8B, P150N 9B, and P150N 10B			✓			✓	✓	
RetroFAST 0.375							✓	✓
SeptiTech STAAR 0.5,0.75,1.0,1.2,1.5							✓	
SeptiTech STAAR: 0.5D,0.75D,1.0D,1.2D,1.5D							✓	✓
Singulair 960-500, 960-750, 960-1000, 960-1250, 960-1500, 960LP-500, 960LP-1000, 960-OP-500, and 960-OP-1000 with Singulair Model 206C Aerator or Model 225L Aerator.		✓	✓				✓	✓
Singulair 960-500, 960-750, 960-1000, 960-1250, 960-1500, 960LP-500, 960LP-1000, 960-OP-500, and 960-OP-1000 with Norweco AT1500 UV and Singulair Model 206C Aerator or Model 225L Aerator.		✓	✓	✓	✓	✓	✓	✓
Singulair / Singulair Green series models: TNT-500, TNT-750, TNT-1000, TNT-1250, TNT-1500, TNT-OP-500, and TNT-OP-1000 with Singulair Model 206C Aerator or Model 225L Aerator.	✓	✓	✓				✓	✓
Singulair / Singulair Green series models: TNT-500, TNT-750, TNT-1000, TNT-1250, TNT-1500, TNT-OP-500, TNT-OP-1000 with Norweco AT1500 UV Unit and Singulair Model 206C Aerator or Model 225L Aerator.	✓	✓	✓	✓	✓	✓	✓	✓
SludgeHammer S-400, S-600, S-800, S-1000			✓				✓	
Whitewater DF50 and DF60 with Orenco UV	✓	✓	✓	✓	✓	✓	✓	
Whitewater DF50 and DF60 with Jet Illumi-Jet UV	✓	✓	✓	✓	✓	✓	✓	
Whitewater DF50 and DF60 with Norweco AT 1500 UV	✓	✓	✓	✓	✓	✓	✓	
Whitewater DF75, DF100, DF100A, DF150							✓	

Registered Public Domain Treatment Products

Category 1: Public Domain

<u>Public Domain</u> Technology Name*	TLA	TLB	TLC	BL1	BL2	BL3	TLE	TLN
Intermittent Sand Filter System		✓	✓		✓	✓	✓	
Mound System		✓	✓		✓	✓	✓	
Recirculating Gravel Filter System			✓		✓	✓	✓	50% of Total N
Recirculating Gravel Filter System w/VWDB			✓			✓	✓	✓
Sand Lined Trenches/ Bed System		✓	✓		✓	✓	✓	
Stratified Sand Filter System	✓	✓	✓	✓	✓	✓	✓	

* Listed treatment technologies meet levels of treatment performance when constructed and used according to their respective departmental recommended standards and guidance documents.

Registered Treatment Products

Category 2: Proprietary

Proprietary Product Name / Model	FTL	High Strength Commercial	High Strength Residential	Treatment Capacity (pounds per day for CBOD₅)
NIBBLER SBP & NIBBLER CBP	✓	✓	✓	0.81
NIBBLER Jr.	✓		✓	1.0
MicroFAST Flex 0.4	✓		✓	1.0
MicroFAST Flex 0.5	✓		✓	1.5
MicroFAST 0.5*	✓		✓	1.0
MicroFAST 0.75*	✓		✓	1.5
MicroFAST 0.9*	✓		✓	2.0
MicroFAST 1.5*	✓		✓	3.2
MicroFAST 3.0*	✓		✓	6.4
MicroFAST 4.5*	✓		✓	9.5
MicroFAST 9.0*	✓		✓	17.0
Bioclere Trickling Filter 16/12-SS	✓	✓	✓	1.5
Bioclere Trickling Filter 16/12-LS	✓	✓	✓	1.5
Bioclere Trickling Filter 16/15	✓	✓	✓	2.25
Bioclere Trickling Filter 16/19	✓	✓	✓	3
Bioclere Trickling Filter 16/22	✓	✓	✓	4.5
Bioclere Trickling Filter 16/25	✓	✓	✓	6
Bioclere Trickling Filter 24/12/950	✓	✓	✓	6
Bioclere Trickling Filter 24/12/1600	✓	✓	✓	6

* Bio-Microbics MicroFAST and MicroFAST Flex series models - These models are also used in Category 1. Models designed to treat high-strength sewage with the O&G influent level to the MicroFAST < 50 mg/L. Models may be used in non-single family residential designs when the design is reviewed by Bio-Microbics Inc. and documentation of the review is provided.

Registered Treatment Products

Category 3

Incinerating Toilets		
Product Name/Model	Rated Capacity (persons)	Voltage (V)
Cinderella Comfort		
Model EM01CS02-NA	4-person / 12 uses/day	220 V AC or 12 V DC
Incinolet Electric Incinerating Toilet		
Incinolet CF	4-person	120
Incinolet TR	8-person	240
Incinolet WB	4/8-person	120/240
EcoJohn SepticJohn WC Series		
WC 5	2-person	4-amp, 120 V 2-amp, 240 V
WC 32	4-person	4-amp, 120 V 2-amp, 240 V
WC 48	8-person	4-amp, 120 V 2-amp, 240 V
WC 64	16-person	4-amp, 120 V 2-amp, 240 V

Category 3

Composting Toilets		
Product Name/Model	Rated Capacity (persons or uses/day)	Voltage (V)
Clivus Multrum Composting Toilet		
M1	10-uses/day	115 or 12
M2	15-uses/day	115 or 12

Composting Toilets		
Product Name/Model	Rated Capacity (persons or uses/day)	Voltage (V)
M3	40-uses/day	115 or 12
M10	60-uses/day	115 or 12
M12	80-uses/day	115 or 12
M15	100-uses/day	115 or 12
M18	120-uses/day	115 or 12
M22	80-uses/day	115 or 12
M28	120-uses/day	115 or 12
M32	110-uses/day	115 or 12
M35	180-uses/day	115 or 12
M54ADA	60-uses/day	12 or 115
Outback	0-20 uses/day	110 or 12
Sun-Mar Composting Toilets		
Excel	3-person residential	115
Centrex 2000 A/F	4-person residential	115
Centrex 2000 A/F AC/DC	3-person residential	115 & 12
Centrex 3000 A/F	5-person residential	115
Centrex 3000 A/F AC/DC	4-person-residential	115 & 12
Compact	1-person residential	115
Spacesaver	1-person residential	115
Sun-Mar Mobile	1-person residential	12 & 115
Excel NE	2-person residential	Non-electric

Registered Distribution Products

Gravelless Chamber Products					
Product/ Model	Unit size outside dimensions W/L/H (inches)	Void space per unit (cu. ft)	Void space per linear foot (cu. ft)	Infiltrative surface per unit (sq. ft.)	Infiltrative surface per linear foot (sq. ft.)
Infiltrator Chamber Leach Field Systems					
Standard	34" x 75" x 12"	10.3	1.65	17.69	2.83
Arc 18-4	16" W x 48" L x 11" H	2.78	0.70	5.32	1.33
ARC 36	33.75" x 60" x 13"	8.5	1.7	14.38	2.88
ARC 36HC	33.75" x 60" x 16"	10.5	2.09	14.38	2.88
ARC 36 LP	33.8" x 60" x 8"	5.80	1.16	14.08	2.82
Arc 36 LP-4	34" W x 48" L x 12" H	6.20	1.55	11.32	2.83
ARC 24	22.5" x 60" x 12"	5.02	1.0	9.38	1.88
14" High Capacity	34" x 76" x 14"	14.0	2.25	17.9	2.8
11" Standard	34" 76" x 11"	8.5	1.36	17.9	2.8
Bio 2	15.38" x 86.9" x 12.38"	5.0	0.7	9.0	1.3
Bio 3	22" x 86.9" x 12.38"	8.6	1.2	13.2	1.8
High Capacity	34" x 75" x 16"	16.3	2.61	17.69	2.83
Equalizer 36	22" x 100" x 13"	8.42	1.00	15.24	1.83
Equalizer 24	15" x 100" x 11"	4.45	0.54	10.41	1.25
Quick4 Standard	34" x 48" x 12"	5.82	1.46	11.32	2.83
Quick4 Plus Standard	34" x 48" x 12"	6.20	1.55	11.32	2.83
Quick4 Plus Standard Low Profile (LP)	34" x 48" x 8"	4.28	1.07	11.32	2.83
Quick4 Plus All-In- One Endcap	18" x 13" x 8"	0.68	NA	1.6	NA
Quick4 Plus All-In- One Endcap	18" x 10" x 8"	0.60	NA	1.3	NA
Quick4 Plus Endcap	18" x 4" x 8"	0.14	NA	0.6	NA
Quick4 Standard MultiPort End Cap	34" x 16" x 12"	1.22 (average per unit)	NA	2.43 (average per unit)	NA
Quick4 HiCap	34" x 48" x 16"	8.30	2.08	11.32	2.83
Quick4 HiCap MultiPort End Cap	34" x 19" x 16"	1.93 (average per unit)	NA	3.00 (average per unit)	NA
Quick4 EQ36	22" x 48" x 12"	4.30	1.08	7.32	1.83

Gravelless Chamber Products					
Product/ Model	Unit size outside dimensions W/L/H (inches)	Void space per unit (cu. ft)	Void space per linear foot (cu. ft)	Infiltrative surface per unit (sq. ft.)	Infiltrative surface per linear foot (sq. ft.)
Quick4 EQ36 MultiPort End Cap	22" x 16" x 12"	0.74 (average per unit)	NA	1.65 (average per unit)	NA
Quick4 EQ24	16" x 48" x 11"	2.78	0.70	5.32	1.33
Quick4 EQ24 MultiPort End Cap	16" x 14" x 12"	0.52 (average per unit)	NA	1.20 (average per unit)	NA
Quick5 Standard	33.5" x 60" x 12.5"	7.57	1.46	11.5	2.83
Quick5 Equalizer 36	22.8" x 60" x 12.5"	5.62	1.12	8.3	1.66

Prinsco Gravelless Chambers					
Pro4/24	22" x 55" x 12"	8.4	1.86	6.4	1.42
Pro4/24 Endcap	20" x 16" x 12"	2.2	NA	1.6	NA
Pro4/36	34" x 48" x 12"	11.3	2.82	11.32	2.83
Pro4/36 Endcap	29" x 16" x 12"	3.2	NA	2.41	NA
Pro4/36/LP	34" x 54" x 8"	8.5	1.06	11.32	2.83
Pro4/36/LP Endcap	15" x 16" x 8.6"	1.19	NA	1.06	NA

Geo-Composite Drainfield						
Product/ Model	Unit Size W/L/H (inches)	Void space per foot³ of media (cu. ft)	Void space per arrangement of units (cu. ft)	Void space per linear foot of trench (cu. ft)	Infiltrative surface per arrangement units (sq. ft.)	Infiltrative surface per linear foot (sq. ft.)
Eljen GSF Geotextile Sand Filter System						
GSF/A42 module	24" x 48" x 7"	0.52	4.2	1.1	8	2

Gravel Substitute Products						
Product/ Model	Unit size W/L/H (inches)	Void space per foot³ of media (cu. ft)	Void space per arrangement of units (cu. ft)	Void space per linear foot of trench (cu. ft)	Infiltrative surface per arrangement of units (sq. ft.)	Infiltrative surface per linear foot (sq. ft.)
Infiltrator Engineered Aggregate Systems						
1003-H	30" x 120" x 10" Horizontal arrangement of three 10" diameter "tubes" in a 30" wide trench.	0.4	7.2	0.72	25	2.5
1003-T	24" x 120" x 10" Triangular arrangement of three 10" diameter "tubes" in 24" wide trench.	0.4	7.2	0.72	20	2.0
1203-H	36" x 120" x 12" Horizontal arrangement of three 12" diameter "tubes" in a 36" wide trench.	0.4	10.1	1.01	30	3.0

Gravel Substitute Products						
Product/ Model	Unit size W/L/H (inches)	Void space per foot³ of media (cu. ft)	Void space per arrangement of units (cu. ft)	Void space per linear foot of trench (cu. ft)	Infiltrative surface per arrangement of units (sq. ft.)	Infiltrative surface per linear foot (sq. ft.)
1003-H-GEO	30" x 120" x 10" Horizontal arrangement of three 10" diameter "tubes" with geotextile in a 36" wide trench.	0.4	7.2	0.72	25	2.5
1003-T-GEO	24" x 120" x 10" Triangular arrangement of three 24" diameter "tubes" in a 24" wide trench	0.4	7.2	0.72	20	2.0
1203-H-GEO	36" x 120" x 12" Horizontal arrangement of three 12" diameter "tubes" with geotextile in a 36" wide trench.	0.4	10.1	1.01	30	3.0

Subsurface Dripline Products				
Product Name/Model	Pipe I.D. (inches)	Emitter Discharge Rate (GPH)	Emitter Spacing (inches)	Emitter Type
Geoflow WaterFlow PC 0.6 GPH	0.55	0.6	24, 18, 12, & 6	Pressure compensating
Geoflow WaterFlow PC 0.9 GPH	0.55	0.9	24, 18, 12, & 6	Pressure compensating
Geoflow Waterflow Classic	0.55	1.3 at 20 PSI	24, 18, 12, & 9	Non-compensating (requires pressure regulator)

Subsurface Dripline Products

Product Name/Model	Pipe I.D. (inches)	Emitter Discharge Rate (GPH)	Emitter Spacing (inches)	Emitter Type
Netafim Bioline Dripperline 0.4 GPH	0.57	0.42	24, 18, 12	Pressure compensating
Netafim Bioline Dripperline 0.6 GPH	0.57	0.62	24, 18, 12	Pressure compensating
Netafim Bioline Dripperline 0.9 GPH	0.57	0.92	24, 18, 12	Pressure compensating