**APPENDIX A – Modification Date: October 9, 2020**

**Interim List of Treatment Units**

**50 Percent TN Reduction**

Modifications from last update in **BOLD**

|  |  |  |  |
| --- | --- | --- | --- |
| **Manufacturer/Unit** | **Listing Type\*** | **Listing Basis** | **TL-2 or TL-3 Approved** |
| Anua – Platinum* P6 (300 gpd)
* P8 (375 gpd)
* P10 (525 gpd)
* P12 (600 gpd)
 | Interim | EN 12566-3 | TL-2 |
| Anua- Puraflo DN (recirculating filter)* P120Dn\*1A (pad 120 gpd/module)
* P120Dn\*1B (other dispersal 120 gpd/module)
 | Interim | NSF 245 (NC State) | TL-2 |
| **Anua-PuraSys SBR*** **PS1-4 (400 gpd)**
* **PS1-5 (500 gpd)**
* **PS1-6 (600 gpd)**
* **PS1-7 (700 gpd)**
* **PS1-8 (800 gpd)**
* **PS1-9 (900 gpd)**
* **PS1-10 (1,000 gpd)**
 | **Interim** | **NSF 245** | **TL-2** |
| **Anua – BioCoir*** **ATS-SCAT-3-BC-200 (150 gpd)**
* **ATS-SCAT-4-BC-400 (300 gpd)**
* **ATS-SCAT-6-BC-650 (450 gpd)**
* **ATS-SCAT-8-BC-1000 (600 gpd)**
* **ATS-540-BC-N-TL3 (600 gpd)**
* **ATS-1060-BC-N-TL3 (900 gpd)**
* **ATS-NS500-BC-N-TL3(600 gpd)**
* **ATS-NS750-BC-N-TL3(750 gpd)**
* **ATS-NS1000-BC-N-TL3 (900 gpd)**
* **ATS-NS500-80/20-BC-N (600 gpd)**
* **ATS-NS750-80/20-BC-N (750 gpd)**
* **ATS-NS1000-80/20-BC-N (900 gpd)**
 | **Interim** | **VA Testing Data** | **TL-3** |
| AquaKlear* AK6S245C/450, 600,750
* AK10S245C (1,000)
* AK6S245F (1,000)
 | Interim | NSF 245 – Gulf Coast Testing Center | TL-2 |
| Aquapointe* Bioclere 16/12-350 (400 gpd)
* Bioclere 16/15 (600 gpd)
 | Interim | ETV Data (flow based on ETV test) | TL-2 |
| Cajun Aire Advanced Poly 500 | Interim | NSF 245 | TL-2 |
| Biomicrobics

|  |  |
| --- | --- |
| * BioBarrier® MBR 0.5-N
 |  |
| * BioBarrier® MBR 1.0-N
 |  |
| * MicroFast 0.5
 |  |
| * MicroFast 0.625
 |  |
| * MicroFast 0.75
 |  |
| * MicroFast 0.9
 |  |
| * MicroFast 1.5
 |  |

 | Interim | NSF 245 | Micro-Fast TL-3Bio-Barrier-TL-2 |
| Biomicrobics* Retrofast 0.25
* Retrofast 0.375
 | Interim | MD BAT Program | TL-2 for 1 bedroom (.25) and 2 bedroom (.375) |
|

|  |  |
| --- | --- |
| Bionest* OT-100
* OT-40
 |  |
| * OT-45
 |  |
| * OT-50
 |  |
| * OT-55
 |  |
| * OT-60
 |  |
| * OT-70
 |  |
| * OT-75
 |  |

 | Interim | NSF 245 | TL-2 |
| **Clearstream*** 500D
* 600D
* 750D
* 800D
* 1000D
* **500DA**
* **600DA**
* **750DA**
* **800DA**
* **1000DA**
 | Interim**Interim** | NSF 245 –Gulf Coast Testing Center **NSF 245 – Gulf Coast Testing Center** | TL-3**TL-2** |
| Consolidated Treatment Systems * Enviro-Guard ENV-0.75
* Enviro-Guard ENV-0.75M
* Multiflo
	+ FTB 0.5
	+ FTB 0.6
	+ FTB 0.6-C
	+ FTB 0.75
	+ FTB 0.75-C
	+ FTB 1.0
	+ FTB 1.0-C
 | Interim | University of Dayton | TL-2 |
|

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Delta – Ecopod – (Infiltrator)

|  |  |
| --- | --- |
| * E50-N (500 gpd)
* E50-N-IM1060\* (500 gpd)
 |  |
| * E60-N (600 gpd)
* E60-N-IM1060\* (600 gpd)
 |  |
| * E75-N (750 gpd)
* E75-N-IM1060\* (750 gpd)
 |  |
| * E100-N (1000 gpd)
 |  |
| \*Units in Infiltrator Tanks |  |

 |  |

 | Interim | NSF 245 | TL-2  |
| Ecological Tanks* Aqua-Aire AA500-35NR
* Aqua-Safe AS600+4NR w/EZ top
 | Interim | NSF 245 | TL-2 |
| Ecological Tanks* Aqua-Safe AS500, AS500L
* Aqua-Safe AS600, AS600L
* Aqua-Safe AS750
* Aqua-Safe AS800L (800 gpd)
* Aqua-Safe AS1000

AquaSafe Treatment Units have optional models that allow for the attachment of either a pre-tank, a pump tank, or both. As long as the optional model includes one of the approved treatment units above, then the whole model is considered compliant with this listing. | Interim | NSF 40 N Data | TL-3 |
| EZ Treat* #600
* #1200
 | Interim | VA Data | TL-3 |
| FujiClean* CEN5 (500 gpd)
* CEN7 (700 gpd)
* CEN10 (900 gpd)
 | Interim | NSF 245 | TL-3 |
| Hoot* ANR-450
* BNR-500
* BNR-600
* BNR-750
* BNR1000
 | Interim | NSF 245 and MD listing | TL-2 |
| Hydro-Action Industries* Hydro-Action AN400 (400 gpd)
* Hydro-Action AN500 (500 gpd)
* Hydro-Action AN500 (500 gpd)
* Hydro-Action AN800 (800 gpd)
* Hydro-Action AN1100 (1000 gpd) (limited to 1,000 gpd for general approval)
 | Interim | NSF 245 and MD listing | TL-2 |
|

|  |
| --- |
| Norweco |
| * Hydro-Kinetic 600 FEU
 |
| * Singulair Green TNT-500 (500 gpd and 600 gpd)
 |
| * Singulair TNT-500 (500 gpd and 600 gpd), 750, 1000
* Singulair R3 Water Reuse Treatment System (500 gpd)
* Singulair R3 Green (plastic tank) Water Reuse Treatment System (500 gpd)
 |
|  |

 | InterimInterim | NSF 245NSF 245 (North American Testing, LLC) | TL-2 TL-2 |
| **Norweco Singulair with HKBFR series*** **Singulair 960-500 with HKBFR (500 gpd)**
* **Singulair 960-600 with HKBFR (600 gpd)**
* **Singulair 960LP-500 with HKBFR (500 gpd)**
* **Singulair 960LP-600 with HKBFR (600 gpd)**
* **Singulair Green 960-500 with HKBFR (500 gpd)**
* **Singulair Green 960-600 with HKBFR (600 gpd)**
* **Singulair 960-750 with HKBFR (750 gpd)**
* **Singulair 960-750 with HKBFR (800 gpd)**
* **Singulair 960-1000 with HKBFR (1000 gpd)**
* **Singulair 960LP-1000 with HKBFR (1000 gpd)**
 | **Interim** | **VA TN Data** | **TL-3** |
| Orenco **(**units with or without N designation approved)* AX20 (N) 600 gpd
* AX20RT (N) 600 gpd
* AX25RT (N) 750 gpd
 | Interim | MD BAT Listing &NSF 245 | TL-3 |
| Premier Tech – Ecoflo Coco* Ecoflo Coco ECDn-500 C
* Ecoflo Coco ECDn-600 C
* Ecoflo Coco ECDn-700 C
* Ecoflo Coco ECDn-750 C
* Ecoflo Coco ECDn-1000 C
* Ecoflo Coco ECDn-500 P
* Ecoflo Coco ECDn-600 P
* Ecoflo Coco ECDn-865 P
* Ecoflo Coco ECDn-1000 P
* Ecoflo Coco ECDn-500 P-PACK
* Ecoflo Coco ECDn-600 P-PACK
 | Interim | NSF 245 | TL-2 |
| Quanics – Biocoir* ATS-4-BC

(ATS-SCAT-4-BC-400)* ATS-6-BC

(ATS-SCAT-6-BC-650)* ATS-8-BC

(ATS-SCAT-8-BC-1000) | Interim | NSF 40 N data | TL-3 |
| Quanics – Aerocell* ATS-4-AC
* ATS-6-AC
* ATS-8-AC
 | Interim | NSF 245 (2006 ) | TL-2 |
| Septi-Tech

|  |  |
| --- | --- |
| * N-M400D
 |  |
| * N-M550D
 |  |
| * N-M750D
 |  |

 | Interim | NSF 245 | TL-2 |
| National Wastewater Systems, Inc.* Solar Air SA-500 GPD
 | Interim | NSF 245(Gulf Coast) | TL-2 |

\*Interim Listings will be used until a final test protocol is established.

This list is based on NSF 245, Maryland’s website for [Best Available Technology](https://mde.maryland.gov/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Pages/brf_bat.aspx), and other data sources that have been submitted for consideration. Manufacturers should contact Marcia Degen, Technical Services Manager, at Marcia.Degen@vdh.virginia.gov to be considered for the interim list. The list will be updated as needed. **Note that only the main model from the NSF 245 list is provided in most cases and not all the variations (concrete, poly, etc.) for brevity sake. All models certified under NSF 245 are BMP compliant for flows ≤ 1,000 gpd**. See the NSF 245 listings at <http://info.nsf.org/Certified/Wastewater/Listings.asp?TradeName=&Standard=245> and <https://gctla.com> for the complete list. Although these listings include treatment units for flows greater than 1,000 gpd, VDH general approval is limited to flows less than or equal to 1,000 gpd in accordance with 12VAC5-613.