

City of Austin Approved Nitrogen Reduction Systems

| Manufacturer | Model No./Name | Rated Capacity (Gallons/Day) | Technology Description | Restrictions | Supporting Documentation |
|--------------------------------------|---|------------------------------|--|--|---|
| Aquapoint, Inc. | <i>Bioclere Model 16/12</i> | 400 | Fixed film trickling filter biological treatment system | | EPA ETV Report |
| Bio-Microbics | <i>MicroFAST 0.5 System</i> | 375 | Submerged attached-growth biological treatment system | 500- to 1,000-gallon compartment for the treatment media | EPA ETV Report |
| FujiClean USA | <i>FujiClean Model CEN-5</i> | 500 | Combined process, fixed media/suspended growth | | Third Party Verification |
| SeptiTech, Inc. | <i>STAAR 0.5 System</i> | 440 | Fixed film trickling filter biological treatment system | | EPA ETV Report |
| Orengo Systems, Inc. | <i>AdvanTex Models AX20, AX20-RT, and AX25-RT</i> | 500, 625 | Media filter biological treatment system | Mode 3 or 50/50 Combo Mode configurations | VA Report 1 VA Report 2 PA Report 1 |
| N/A | <i>Non-proprietary recirculating sand filter</i> | Varies by filter area | Media filter biological treatment system | 3:1 recirculation ratio 3-5 gal/ft ² -day hydraulic application rate (HAR) | EPA Fact Sheet 1 EPA Fact Sheet 2 EPA Fact Sheet 3 |
| N/A | <i>Non-proprietary vegetated recirculating gravel filter</i> | Varies by filter area | Fixed media, attached growth biological treatment system | 8:1 recirculation ratio 1.9 gal/ft ² -day hydraulic application rate (HAR) | EPA ETV Report |
| N/A | <i>Non-proprietary recirculating gravel filter and vegetated woodchip bed</i> | Varies by filter area | Fixed media, attached growth biological treatment system | 6:1 recirculation ratio 3 (RGF) & 48.5 (woodchip bed) gal/ft ² -day hydraulic application rate (HAR) | EPA ETV Report |