

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 Models CEN-5 and CEN-7</i>	500, 700	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