



COMMONWEALTH of VIRGINIA

ROBERT B. STROUBE, M.D., M.P.H.
STATE HEALTH COMMISSIONER

Department of Health

P. O. BOX 2448
RICHMOND, VA 23218

April 16, 1993

GMP # 22

MEMORANDUM

TO: District Directors
Environmental Health Managers
Environmental Health Supervisors
Environmental Health Specialists

FROM: David Effert, ^{DE} Technical Services Chief
Division of Onsite Sewage and Water Services

SUBJECT: ATU Approval Update

Attached is an updated list of ATU's which have received ANSI/NSF, Standard 40 Class I approval, and may be used where 30-30 effluent limits apply under the Alternative Discharging Sewage Treatment Regulations for Single Family Dwellings. Specifically, the Aquarobic International, Inc. concrete cast products including: the Mini-plant 54291-5-100, the Mini-plant 54291-6, the Mini-plant 54291-7, the Mini-plant 54291-7.5, the Mini-plant 54291-8, the Mini-plant 54291-9, and the Mini-plant 54291-10 have been added to the Virginia List of Approved Aerobic Units. These plants utilize concrete tanks. The structural requirements for the tank, in accordance with Standard 40, must be capable of withstanding hydraulic and soil pressures, whether empty or full, without collapsing or rupturing. The inside surfaces of the tanks must be free of spalls, honeycombs, and pits. Dimensionally, the tank must have a hydraulic capacity equal to at least three times the rated treatment capacity, and must have a length to width ratio of 2:1. Items which must be installed or added onto the concrete tanks include a control panel, aeration system, alarm system, and required transfer pumps. **All of these concrete tank units require the use of the Aquarobic International, Inc. Model 3,000 filter kit to comply with NSF Class I Standard 40 requirements.**

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In addition, the system entitled the "VIRGINIA 600 MINI-PLANT/FILTER AND DISINFECTION IN FIBERGLASS TANK" as manufactured by Aquarobic International, Inc. has been added to the Virginia List of Approved Aerobic Units.

Please note that any discharging treatment unit, including those placed on the Virginia List of Approved Aerobic Units, must meet all of the requirements of the Alternative Discharging Sewage Treatment Regulations for Single Family Dwellings before an operation permit will be issued.

The attached list replaces GMP # 21 which is hereby rescinded.

DDE/

cc: Environmental Health Project Managers
Division of Onsite Sewage and Water Staff
Contract Soil Scientists
Dr. Cal Sawyer, P.E.

GMP #22
Sewage - Discharge - Product Approval

Aerobic Treatment Units With
Preliminary Approval by the
Office of Environmental Health Services
April 16, 1992

Manufacturer and Model	Capacity (GPD)
Aquarobic Limited	
Mini-Plant F54291-5-S	500
Mini-Plant F54291-6-S	600
Mini-Plant F54291-7-S	700
Mini-Plant F54291-7.5-S	750
Mini-Plant F54291-8-S	800
Mini-Plant F54291-9-S	900
Mini-Plant F54291-10-S	1,000
Mini-Plant 54291-5-100 w/Model 3,000 filter	500
Mini-Plant 54291-6 w/Model 3,000 filter	600
Mini-Plant 54291-7 w/Model 3,000 filter	700
Mini-Plant 54291-7.5 w/Model 3,000 filter	750
Mini-Plant 54291-8 w/Model 3,000 filter	800
Mini-Plant 54291-9 w/Model 3,000 filter	900
Mini-Plant 54291-10 w/Model 3,000 filter	1,000
VIRGINIA 600 MINI-PLANT/FILTER AND DISINFECTION FIBERGLASS TANK	600
Clearstream Wastewater Systems, Inc.	
Model 500N	500
Model 600N	600
Model 750N	750
Model 1000N	1,000
Jet Inc.	
None at present time	
Multi-Flo Waste Treatment Systems, Inc.	
FTB-0.5	500
FTB-0.6	600
FTB-0.75	750
FTB-1.0	1,000

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Manufacturer and Model	Capacity (GPD)
Nayadic Sciences, Inc.	
Nayadic M-6A-F	400
Nayadic M-6A	400
Nayadic M-8A-F	600
Nayadic M-8A	600
Nayadic M-1050A-F	800
Nayadic M-1050A	800
Norweco, Inc.	
Singulair 900 System	500
Scienco/FAST	
Single Home FAST Treatment Plant	
Model 23-001-750	500
Model 23-001-1100	750
Model 23-001-1350	900