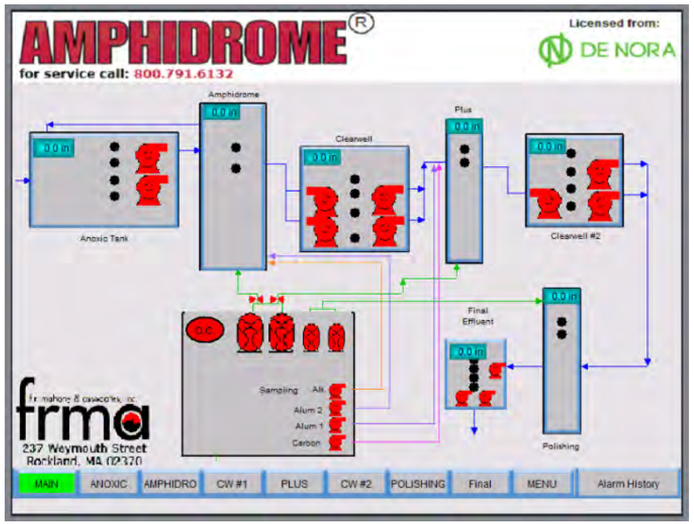
CUSTOMIZED TOUCH SCREEN CONTROLS

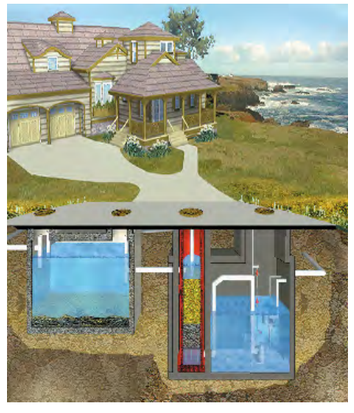


Amphidrome®

Waste Water Treatment System

Typical Applications

Condominiums
Cluster System Developments
Health Care Facilities
Resorts
Shopping Malls
Schools
Office Parks



Single Family Home

Advanced Nutrient Removal

Low Visual Site Impact

Your Economical Treatment Solution

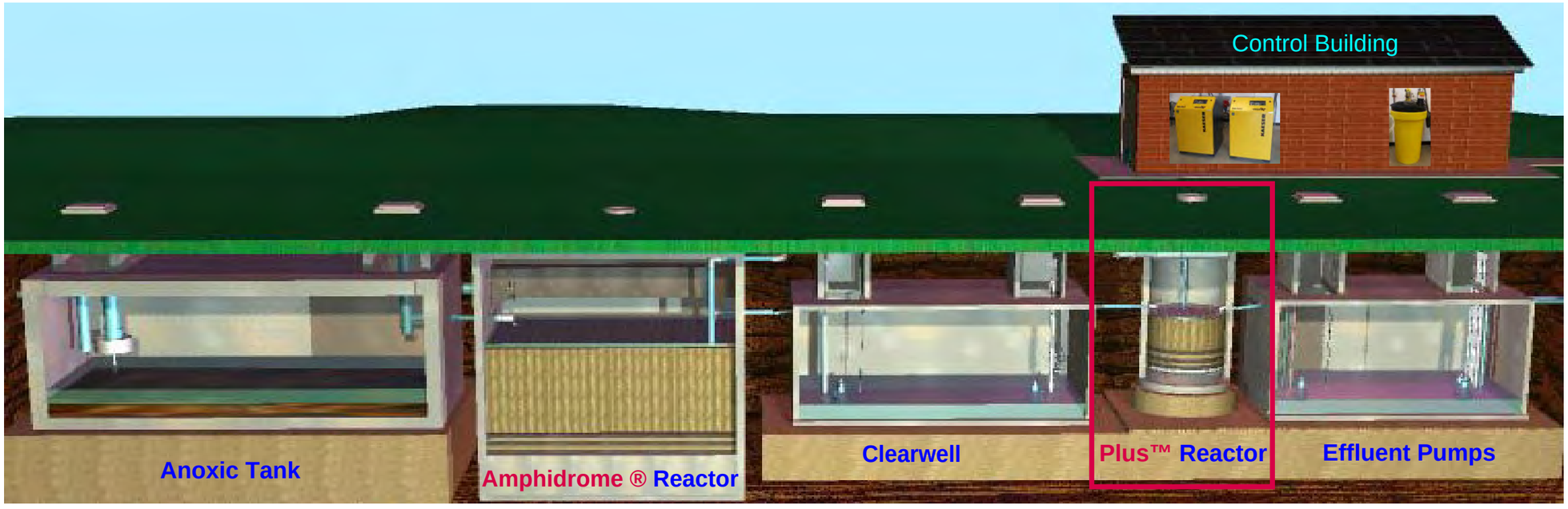
f.r. mahony & associates inc.
frma
273 Weymouth Street • Rockland MA 02370

Water & Wastewater Technologies

tel. 800-791-6132
fax. 781-982-1056
www.amphidrome.com

frma

Amphidrome® System



The **Amphidrome® System** is a Submerged Attached Growth **B**iologically **A**ctive **F**ilter (BAF) providing BOD reduction, superior nitrification, denitrification, phosphorus reduction and filtration of suspended solids in a single reactor.

A spherical sand media provides maximum surface area for microorganisms to attach themselves. The microorganism environment is manipulated with intermittent aeration.

The result is an energy efficient superior treatment system with a very small footprint.

SYSTEM BENEFITS

Low Visual Site Impact	**System Below Grade**
Low Audible Site Impact	**Premium Sound Enclosed Blowers**
Simple to Operate	**Touch Screen, Remote Access for Monitoring and Control**
Energy Efficient	**Intermittent Aeration**
Consistent Treatment	**Fixed Film Reactor With High Biomass**
Filtered Effluent	**Effluent Is Filtered Through Our Deep Media Bed Filter**
Easily Upgradable	**Future Nitrogen or Phosphorus Limits**

With the addition of an **Amphidrome® Plus™** denitrification reactor, nitrogen is further reduced to the lowest level biologically attainable. An enhanced level of phosphorus reduction can also be achieved.

A small building houses a control panel, blowers, and any other ancillary equipment as may be required for a specific application such as alkalinity feed or ultraviolet (UV) disinfection.

ALL SYSTEMS ARE CUSTOM CONFIGURED TO MEET STRINGENT LIMITS

Advanced Nutrient Removal

Ammonia < 1 mg/l

Nitrogen to $\leq$ 3 mg/l TN

Phosphorus $\leq$ 0.15 mg/l TP

Contaminants of Emerging Concern

TOC Reduction