Typical Applications

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

Advanced Nutrient Removal
Low Visual Site Impact
Your Economical Treatment Solution
The Amphidrome® System is a Submerged Attached Growth Biologically Active Filter (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.

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.

**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

**ALL SYSTEMS ARE CUSTOM CONFIGURED TO MEET STRINGENT LIMITS**

- **Advanced Nutrient Removal**
  - Ammonia < 1 mg/l
  - Nitrogen to < 3 mg/l TN
  - Phosphorus < 0.15 mg/l TP
  - Contaminants of Emerging Concern
    - TOC Reduction