

## B. Testing and Sampling Requirements

Both year-round and seasonal residential systems with design flows less than 2,000 gpd, shall be required to have a field test and effluent sample conducted twice per year as follows:

- Year-round residential systems shall be tested and sampled every six months, once between January and March and once between July and October
- Seasonal systems shall be required to have a field test and effluent sample conducted within 45 days of the system startup and again 30-60 days thereafter unless otherwise indicated.

Inspections and field tests shall include the following:

1. Document visual examination of the effluent for color, turbidity, and effluent solids;
2. Measure effluent pH to determine if the wastewater is between 6 and 9 standard units;
3. Measure dissolved oxygen, 2mg/L or more to ensure that the system is operating and;
4. Record turbidity, less than or equal to 40 NTU.
5. BOD 5 and TSS, less than or equal to 30 mg/L, pH and Total Nitrogen measured as the total of TKN, NO<sub>2</sub> -N, and NO<sub>3</sub> -N ≤19mg/L.

It is the designer's responsibility to indicate on the septic plan where the sampling ports are located and ensure that the design includes risers at finished grade.

After three years of good performance and compliance with these requirements, the O&M Agreement may be modified at the recommendation of the Service Contractor and Nantucket Board of Health, resulting in a reduction in testing and sampling requirements. The I/A system must still comply with 310 CMR 15.287, MassDEP's Standard Conditions, any Special Conditions contained in the Technology Approval, Designer or Company specific requirements, and any other local regulations.

At a minimum, all I/A systems shall be inspected with a field test twice per year. Any I/A system located in a designated Nitrogen Sensitive Area (Zone I, II, or IWPA of a public water supply, or water supply subject to nitrogen loading restrictions due to the proximity to private drinking wells shall be subject to more stringent testing and sampling requirements established by MassDEP specific to the approved Technology.

EFFECTIVE DATE:

This regulation shall take effect immediately upon publication of a summary in a newspaper of general circulation in the Town of Nantucket, which date shall be posted on the back page of this regulation.



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Malcolm MacNab Chairman



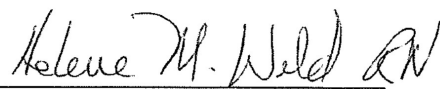
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Stephen Visco



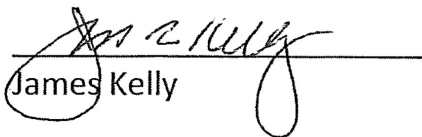
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James Cooper



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Helene Weld



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James Kelly

enacted - February 20, 2014  
Amended - August 17, 2017