

**Town of Nantucket Board of Health**  
**Local Regulation 65.00 – Innovative/Alternative Sewage Treatment**  
**Technologies**  
**Tracking Program Authorization.**

**65.01 - Innovative/Alternative (I/A) Tracking Program:**

- A. As allowed by M.G.L. Ch.111, section 31, the Board of Health of the Town of Nantucket hereby requires that owners and operators of all innovative/alternative sewage treatment technologies and all systems where the soil absorption system is designed for pressure distribution of effluent must report the results of all operation, maintenance, and monitoring activities to Barnstable County Department of Health and the Environment. Such reporting must be performed in a manner specified by the Barnstable County Department of Health and the Environment and must occur within 30 days after each maintenance or monitoring event.
  
- B. Further, when a system operator performs a system inspection and finds that a sewage treatment technology has malfunctioning components which have compromised the system's ability to treat sewage as designed, the operator shall report on the system's status and any planned corrective actions to the Board of health and the Barnstable County Department of Health and the Environment within 48 hours of the inspection.

**65.02 – Registration for ALL onsite systems**

- A. The Board of Health of the Town of Nantucket, pursuant with its responsibilities to enforce 310 CMR 15.00 (Title 5) and to facilitate comprehensive wastewater planning within the Town of Nantucket, seeks to compile information regarding onsite septic systems in a useable retrievable format. Accordingly, under the authority of M.G.L. Ch. 111 sec. 31 the Board of Health requires that all applicants for Disposal Works Construction Permits for Innovative/Alternative subsurface sewage disposal systems within the Town of Nantucket register selected details regarding the application with an online database maintained by the Barnstable County Department of Health and Environment. A receipt of said registration shall be required as part of the application for a Disposal Works Construction Permit.

## 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><sup>-</sup>-N, and NO<sub>3</sub><sup>-</sup>-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.

**65.03 – Enforcement**

- A. Enforcement of these Local Regulations shall be effective through Town of Nantucket Board of Health Local Regulations 67.00 Miscellaneous Provisions and through Town of Nantucket Board of Health Local Regulations 64.00 On Site Sewer Disposal Systems

**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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Rita Higgins

enacted - February 20, 2014

Amended – August 17, 2017

Amended – February 20, 2020