

**DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH**

North Carolina Residential Wastewater Treatment System Approval

Issued To: Hoot Aerobic Systems, Inc
2885 Highway 14 East
Lake Charles, LA 70607

Contact Name: Troy Cormier
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For: Hoot Model H Series

Date: July 14, 2008
December 31, 2024 Updated for 15A NCAC 18E and renewed for 2025

I. Approved Models

Residential wastewater treatment systems shall be manufactured as per the approved drawings, specifications and testing results, and in concurrence with 15A NCAC 18E Section .1500.

Approved models, corresponding daily design flow rates, and approved RWTS numbers are as follows:

<u>Model Number</u>	<u>Approved Design Daily Flow Rate</u>	<u>RWTS Number</u>
H-500A	500 gpd	RWTS-32
H-600A	600 gpd	RWTS-33
H-750A	750 gpd	RWTS-34
H-1000A	1,000 gpd	RWTS-35

II. Approved Settling Tanks

The approved settling tanks for each of the model numbers are as specified below:

<u>Model Numbers</u>	<u>Approved Settling Tank</u>
H-500A	Integral part of tank, minimum capacity of 400 gallons as per approved plans
H-600A	Integral part of tank, minimum capacity of 400 gallons as per approved plans
H-750A	Integral part of tank, minimum capacity of 600 gallons as per approved plans
H-1000A	Integral part of tank, minimum capacity of 750 gallons as per approved plans

III. Influent and Effluent Sampling

Influent samples shall be taken from inside the pretreatment/aeration cross over tee for the H-500A and H-600A models. This tee is located at the outlet end of the settling tank. Influent samples shall be taken from the outlet end of the settling tank for the H-750A and H-100A models. Influent samples shall be tested for BOD and TKN.

Effluent samples shall be taken from dosing tank for systems with a final pump tank. For systems with gravity fall to the soil absorption system, the effluent sample shall be taken from a sampling port located between the treatment unit and the soil absorption system or the distribution box for the soil absorption system. Effluent samples shall be tested for CBOD and TSS.

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Systems shall be sampled annually for design flows less than 1,500 gallons per day.

All sampling shall be done in accordance with Rule 15A NCAC 18E .1302.

IV. Flow Monitoring

Flow monitoring shall include a determination of the 7-day and 30-day flow for the corresponding time period preceding each ORC inspection/sample collection. The control panel CIN1 Series Controls shall take the flow readings for all three models.

When a drip distribution system is proposed, the drip manufacturer shall provide the necessary flow monitoring capability with their separate drip system control panel.

V. Operation, maintenance and monitoring requirements

The ORC must be a licensed subsurface operator.

For all systems, Hoot Aerobic Systems, Inc, shall provide for the ongoing operation and maintenance of their systems. Hoot Aerobic Systems, Inc, shall make available to the owner an operation and maintenance contract that meets the requirements of 15A NCAC 18E .1303(b). The contract shall be renewable, and the contract term shall be for a minimum of one year.

The ORC must either work for Hoot Aerobic Systems, Inc, be an authorized representative of Hoot Aerobic Systems, Inc, or be authorized in writing by Hoot Aerobic Systems, Inc, or their authorized representative to operate the system.

The State may modify, suspend, or revoke the approval of a system as follows:

- a. The system approval shall be modified as necessary to comply with subsequent changes in the laws or rules which affect their approval.
- b. The approval of a system may be modified, suspended, or revoked upon a finding that:
 1. the system or component fails to perform in compliance with performance standards established for the system; or
 2. the system, component, or the system applicant fails to comply with wastewater system laws, rules, or conditions of the approval.