



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

AUG 06 2010

July 30, 2010

Mr. David W. Presby, President
Presby Environmental, Inc.
143 Airport Road
Whitefield, New Hampshire 03598

**Re: Application for Innovative/Alternative Technology Approval for the
Advanced Enviro-Septic™ Wastewater Treatment System**

Dear Mr. Presby:

The New Hampshire Department of Environmental Services, Innovative/Alternative Technology Approval (ITA) Committee has completed its review of the above referenced application. A general approval with reference to a manual for the Advanced Enviro-Septic™ Wastewater Treatment System (AES) has been granted. Waiver of Env-Wq 1014.01(a-d) to allow 2' vertical separation distance from the bottom of the AES System pipe or 18" from the bottom of the 6" specified sand layer to seasonal high water table for systems with daily design flows of 600 gallons per day or less, and 30" vertical separation distance from the bottom of the AES System pipe or 24" from the bottom of the 6" specified sand layer to seasonal high water table for systems with daily design flows of greater than 600 gallons per day and waivers of Env-Wq 1014.01(a)(5) and Env-Wq 1014.04(a) to allow 30" vertical separation from the bottom of the AES system pipe or 24" from the bottom of the 6" specified sand layer to bedrock have also been granted.

Decision and Approval documents are attached to this letter. This approval is granted pursuant to RSA Chapter 485-A:29-44 and NH Code of Administrative Rules Env-Wq 1024 of the Subdivision and Individual Sewage Disposal Design Rules.

The Committee appreciates the effort that you and the staff of Presby Environmental, Inc. have committed to this ITA application.

Sincerely,

Harry T. Stewart, P.E.
Director
Water Division

Att: Subsurface Systems Bureau Innovative/Alternative Technology Approval
Decision Document

cc: Thomas A. Burack, Commissioner - NH DES
DES ITA Committee

DES Web site: www.des.nh.gov

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AUG 06 2010

SUBSURFACE SYSTEMS BUREAU
INNOVATIVE/ALTERNATIVE TECHNOLOGY APPROVAL

as authorized by the
NH Department of Environmental Services, Water Division (Department)
pursuant to RSA 485-A and Part Env-Ws 1024 of the
New Hampshire Subdivision and Individual Sewage Disposal Design Rules

I. APPLICANT/APPROVAL IDENTIFICATION:

Approval No.: 2010-07-01
Approval Type: **GENERAL WITH REFERENCE TO A MANUAL**
Applicant: Presby Environmental, Inc.
Applicant Address: 143 Airport Road, Whitefield, NH 03598
Name of Technology: Advanced Enviro-Septic™ Wastewater Treatment System
Description of Technology: The system is comprised of 11.5" high density corrugated and perforated polyethylene pipe having a series of ridges on the peak of each corrugation and skimmers protruding on the interior; an approximately 10" long geo-textile fabric layer (Bio-Accelerator™) located along the outside bottom of the pipe from approximately 4 o'clock to 8 o'clock; and, a mat of randomly oriented, coarse plastic fibers wrapped in a mat of non-woven, geo-textile plastic fabric surrounding the pipe and Bio-Accelerator layer. The system, including ancillary couplings, end caps and offset adaptors, requires the use of a minimum 6" of specified sand surrounding the circumference of the pipe.

II. FILE REFERENCE/RECORD OF APPLICATION:

Date(s) of applications: Original application dated March 23, 2010.

III. TERMS AND CONDITIONS: The Applicant has represented in the material referenced in section II, above, and the Department requires, that this technology be used in compliance with RSA 485-A and Part Env-Wq 1024 of the New Hampshire Subdivision and Individual Sewage Disposal Design Rules (Rules), as amended. The Department also requires the use of this technology to comply with the terms and conditions below.

- a. The Advanced Enviro-Septic™ Wastewater Treatment System is granted approval as an Innovative/Alternative Technology pursuant to Env-Wq 1024.08(c). This system is approved for use provided that designs submitted under this approval shall be in strict accordance with the approved New Hampshire specific design and installation manual.
- b. This approval is granted based on evaluation criteria established in Env-Wq 1024.10.
- c. The Advanced Enviro-Septic™ Wastewater Treatment System does not require ongoing professional maintenance. Therefore, no service contract will be required prior to operational approval by the Department.
- d. All applications submitted for approval under Env-Wq 1003 and Env-Wq 1004 shall include a copy of, or reference to, this approval
- e. Any modification to the New Hampshire Specific Design and Installation Manual (Manual) identified in Section 1 shall require Department approval in accordance with Env-Wq 1024.12.

Approval No.: 2010-07-01

Approval Type: GENERAL WITH REFERENCE TO A MANUAL

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Applicant Address: 143 Airport Road, Whitefield, NH 03598.

Name of Technology: Advanced Enviro-Septic™ Wastewater Treatment System

Date: July 30, 2010


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IV. **EFFECTIVE DATE:** Date of signature, below.

V. **APPROVAL:** Pursuant to RSA Chapter 485-A and Part Env-Wq 1024 of the Rules, this Approval is hereby granted to the Applicant as identified in Section I, above, pursuant to the requirements of Section III, above.

BY EXERCISING ANY RIGHTS UNDER THIS APPROVAL, THE APPLICANT HAS AGREED TO ALL TERMS AND CONDITIONS OF THE APPROVAL. No liability is incurred by the State of New Hampshire by reason of any approval of this technology. Approval by the Department is based on representations made by the applicant that this technology, as proposed, complies with all requirements of the Rules as they apply to the use of this technology. Representations within the application have not necessarily been reviewed by the Department to confirm compliance. Instead, issuance of this approval places full reliance on the applicant's representations that the application meets the requirements of the Rules. Failure of the proposal to actually meet the usage requirements for this type of technology or failure of the applicant to otherwise comply with the terms and conditions of this approval may result in civil or criminal penalties, suspension or revocation of this Approval. No warranty and/or guarantee is intended or implied by reason of any advice given by the Department or its staff.

This approval shall not eliminate the need to obtain all requisite federal, state, or local permits, licenses or approvals, or to comply with all other applicable federal, state, district and local permits, ordinances, laws, approvals or conditions for the use of this technology.



Harry T. Stewart, PE / Director, Water Division
New Hampshire Department of Environmental Services

7/30/10
Date