



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-Wq 1024 of the
New Hampshire Subdivision and Individual Sewage Disposal Design Rules (Rules)

I. APPLICANT/APPROVAL IDENTIFICATION:

Approval No.: 2012-09-18
Approval Type: GENERAL WITH REFERENCE TO A MANUAL, specifically, the New Hampshire specific Design and Installation Manual submitted on February 21, 2012
Applicant: Geoflow, Inc.
Applicant Address: 506 Tamal Plaza, Corte Madera, CA 94925
Name of Technology: Geoflow Wasteflow Dripline System
Description of Technology: A system comprised of a control panel activated by float switches and a dose timer controller; flexible polyethylene drip tubing treated with compounds to protect against root intrusion and adhesion of biological growth; turbulent flow path emitters; pumps, pump tanks and floats; upstream particle filters; supply and return manifolds and lines; pressure regulators; and, various valves and fittings.

II. FILE REFERENCE/RECORD OF APPLICATION:

Date(s) Received: Original application dated February 21, 2012, with supplement dated May 9, 2012.

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 following terms and conditions:

- a. Geoflow, Inc. is granted approval as an Innovative/Alternative Technology pursuant to Env-Wq 1024.06(e). The Wasteflow Dripline System, which disperse secondary treated effluent, may be installed with 24" (two feet) of vertical separation from the bottom of the system, as established by the bottom of the polyethylene drip tube, to impermeable substratum, bedrock or seasonal high water table. This system is approved for use provided that designs submitted under this approval shall be in strict accordance with the approved design manual.
- b. This approval is granted based on evaluation criteria established in Env-Wq 1024.08(c).
- c. This approval incorporates by reference the decision document by the Department dated June XX, 2012 on original application dated February 21, 2012, with supplement dated May 9, 2012, referenced above.
- d. The Geoflow Wasteflow Dripline System requires ongoing professional maintenance. Therefore, an executed service contract will be required prior to operational approval. Replacement of a failed ITA system is subject to the requirements of Env-Wq 1024.03.
- e. All applications submitted for approval under Env-Wq 1003 and Env-Wq 1004 shall include a copy of, or reference to, this approval.
- f. Any modification to the design manual identified in Section I shall be subject to the requirements of Env-Wq 1024.12.

IV. EFFECTIVE DATE: Date of signature below.

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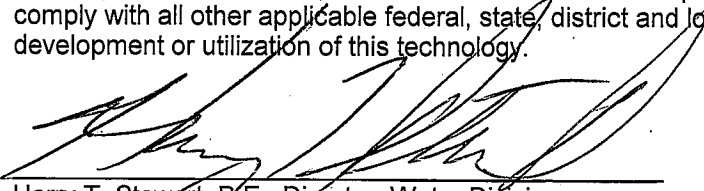
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- V. **AUTHORIZATION:** Pursuant to RSA Chapter 485-A and Part Env-Wq 1024 of the Rules, this Authorization is hereby issued to the Applicant as identified in Section I, above, pursuant to the requirements of Section III, above.

BY EXERCISING ANY RIGHTS UNDER THIS PERMIT, THE APPLICANT HAS AGREED TO ALL TERMS AND CONDITIONS OF THE PERMIT. 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 utilization of this technology. Representations made 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 utilization 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/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 development or utilization of this technology.



Harry T. Stewart, P.E., Director, Water Division
New Hampshire Department of Environmental Services



Date