

GROUNDWATER  
DISCHARGE PERMIT

Name and Address of Applicant: *Town of Falmouth, Town Hall, 1 Town Hall Square,  
Falmouth, Massachusetts 02540.*

Date of Application:

Application/Permit No. *0-738*

Date of Issuance: *December 19, 2002*

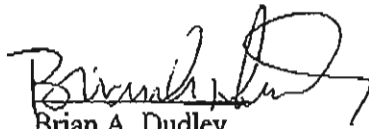
Date of Expiration: *January 19, 2007*

Effective Date: *January 19, 2002*

*Permit Appealed*  
*Effective Date*  
*= 10/27/06*  
*Exp = 10/27/11*

AUTHORITY FOR ISSUANCE

Pursuant to authority granted by Chapter 21, Sections 26-53 of the Massachusetts General Laws, as amended, the following permit hereby issued to: Town of Falmouth (hereinafter called "the permittee") authorizing discharges from an on site wastewater treatment facility to the ground to be located at New Silver Beach, William Road, Falmouth, Massachusetts, such authorization being expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth.

  
Brian A. Dudley  
Bureau of Resource Protection

December 19, 2002  
Date

## I. SPECIAL CONDITIONS

### A. Effluent Limits

The permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics shall not exceed the following values within one month of startup:

Effluent Characteristics	Discharge Limitations
Flow	60,000 GPD
Oil and grease	15 mg/l
Total Suspended Solids (TSS)	30 mg/l
Biochemical Oxygen Demand, 5-day @20°C (BOD <sub>5</sub> )	30 mg/l
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)	10 mg/l
Nitrate-Nitrogen	10 mg/l

- a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time, or not more than 0.2 standard units outside the naturally occurring range.
- b) The discharge of the effluent shall not result in any demonstrable adverse effect on the groundwater or violate any water quality standards that have been promulgated.
- c) The monthly average concentration of BOD and TSS in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and TSS in the influent into the permittee's wastewater treatment facility.
- d) When the effluent discharged for a period of 90 consecutive days exceeds 80 percent of the permitted flow limitations, the permittee shall submit to the permitting authorities projected loadings and a program for maintaining satisfactory treatment levels consistent with approved water quality management plans.

**B. Monitoring and Reporting****1) INFLUENT:**

The permittee shall monitor and record the quality of the **influent** waste stream to the facility according to the following schedule and other provisions:

Parameter	Minimum Frequency of Analysis	Sample Type
pH	Daily	Grab
BOD <sub>5</sub>	Monthly	24-Hour Composite
Total Suspended Solids	Monthly	24-Hour Composite
Total Solids	Monthly	24-Hour Composite
Oil and grease	Monthly	Grab
Ammonia Nitrogen	Monthly	24-Hour Composite
Nitrite Nitrogen	Monthly	24-Hour Composite
Nitrate Nitrogen	Monthly	24-Hour Composite
Total Kjeldahl Nitrogen (TKN)	Monthly	24-Hour Composite
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)	Monthly	Calculated
Volatile Organic Compounds <sup>1</sup>	Annually	Grab

<sup>1</sup>USEPA Method #624

**EFFLUENT:**

The permittee shall monitor and record the quality and quantity of effluent at the effluent pump chamber to the leaching area according to the following schedule and other provisions:

Parameter	Minimum Frequency of Analysis	Sample Type
Flow	Daily	Max-Min-Average
pH	Daily	Grab
Total Suspended Solids	Monthly	24-Hour Composite
Total Solids	Monthly	24-Hour Composite
Chlorides	Monthly	Grab
Oil & Grease	Monthly	Grab
BOD <sub>5</sub>	Monthly	24-Hour Composite
Ammonia Nitrogen	Monthly	24-Hour Composite
Total Kjeldahl Nitrogen (TKN)	Monthly	24-Hour Composite
Nitrite Nitrogen	Monthly	24-Hour Composite
Nitrate Nitrogen	Monthly	24-Hour Composite
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)	Monthly	Calculated
Volatile Organic Compounds <sup>1</sup>	Annually	Grab

<sup>1</sup>USEPA Method #624

- 2) The permittee shall monitor, record and report the quality of water in a minimum number of monitoring wells, one upgradient and two downgradient of the discharge. Detailed

plans of the wells, the locations thereof and the method and means of sampling therefrom shall be submitted to and approved by the Department. The permittee shall install the approved monitoring wells prior to startup of the facility and shall monitor, record and report the quality of water in the monitoring wells according to the following schedule and other conditions:

Parameter	Frequency of Analysis
Static Water Level	Quarterly
Specific Conductance	Quarterly
pH	Quarterly
Total Nitrogen (NO <sub>2</sub> +NO <sub>3</sub> +TKN)	Quarterly
Nitrate-Nitrogen	Quarterly
Volatile Organic Compounds <sup>1</sup>	Annually

<sup>1</sup>USEPA Method #624

- 3) Any grab sample or composite sample required to be taken less frequently than daily shall be taken during the period of Monday through Friday inclusive. Grab samples shall be taken between 8:00 a.m. and 6:00 p.m. All composite samples shall be taken over the operating day.

The permittee shall submit all monitoring reports within 30 days of the last day of the reporting month. Reports shall be on an acceptable form, properly filled and signed and shall be sent to the Department of Environmental Protection, Southeast Regional Office, 20 Riverside Drive, Lakeville, MA 02347, and to the Director of Watershed Permitting, Department of Environmental Protection, Watershed Permitting Group, One Winter Street, Boston, MA 02108, and to the Falmouth Board of Health, 59 Town Hall Square, Falmouth, MA 02540.

### C. Supplemental Conditions

1. The permittee shall notify the Department at least thirty (30) days in advance of the proposed transfer of ownership of the treatment works for which this permit is written. Said notification shall include a written agreement between the existing and new permittees containing a specific date for transfer of permit, responsibility, coverage and liability between them.

2. A staffing plan for the treatment works shall be submitted to the Department once every two years or whenever there are staffing changes.
3. The permittee shall contract to have any and all solids and sludges generated by the treatment works for which this permit is issued removed off site by a properly licensed waste hauler for disposal at an EPA/DEP approved facility. The name and license number of the hauler along with the quantity of wastes removed and the date(s) of removal shall be reported by the permittee in writing to the Department.

#### **D. Appeal Rights**

This Permit is an action of the Department. Any person aggrieved by this action may request an Adjudicatory Hearing. A request for a hearing must be made in writing and postmarked within thirty (30) days of the Permit issuance date. Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts, which are the grounds for the request, and the relief sought.

The Hearing request along with a valid check payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

Commonwealth of Massachusetts  
Department of Environmental Protection  
P.O. Box 4062  
Boston, MA 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver as described below. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.