

DISCHARGE PERMIT

Name and Address of Applicant: Town of Fairhaven, Town Hall,
40 Center Street, Fairhaven, Massachusetts 02159

Date of Application: October 13, 2006

Permit No.: SE #2-620

Date of Issuance: June 26, 2007

Effective Date: June 26, 2007

Date of Expiration: June 26, 2012

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 Fairhaven (hereinafter called "the permittee), authorizing discharges from a municipal wastewater treatment facility located on West Island, off Fir Street, Fairhaven, Massachusetts which is designed to treat sanitary wastes from the West Island area of town. Authorization is expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth.

Jeffrey E. Gould
Bureau of Resource Protection

Date

I. SPECIAL CONDITIONS

A. Effluent Limits

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>
Flow* (daily maximum)	100,000 gallons per day
Flow* (annual daily average)	80,000 gallons per day
Oils & Grease	15 mg/l
Total Suspended Solids	30 mg/l
Biochemical Oxygen Demand, 5-day @20c (BOD ₅)	30 mg/l
Total Nitrogen (NO ₂ + NO ₃ + TKN)	10 mg/l
Nitrate Nitrogen	10 mg/l
Settleable Solids	0.1 ml/l
Fecal Coliform	200/100 mls

*flows are maximum and only allowed in accordance with the DEP plan approval for this facility

- (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 ground water or violate any water quality standard that has been promulgated.
- (c) The monthly average concentration of BOD and total suspended solids in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and total suspended solids in the influent into the permittee's wastewater treatment facilities.

B. Monitoring and Reporting

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

<u>Parameter</u>	<u>Minimum Frequency of Analysis</u>	<u>Sample Type</u>
pH	Daily	Grab
BOD ₅	Monthly	24-Hour Composite
Total Suspended Solids	Weekly	24-Hour Composite
Oil and Grease	Monthly	Grab
Ammonia-Nitrogen	Monthly	24-Hour Composite
Sodium Chloride	Monthly	Grab
Volatile Organic Compounds*	Annually	Grab

* (USEPA METHOD #624)

(2) The permittee shall monitor, record and report the quality and quantity of **effluent** from the facility, at the point of discharge to the leaching area, according to the following schedule and other provisions:

<u>Parameter</u>	<u>Minimum Frequency of Analysis</u>	<u>Sample Type</u>
Flow	Daily	Continuous Reading
pH	Daily	Grab
Total Nitrogen (NO ₂ +NO ₃ +TKN)	Monthly	24-Hour Composite
Total Suspended Solids	Weekly	24-Hour Composite
Settleable Solids	Weekly	Grab
Oil & Grease	Monthly	Grab
BOD ₅	Monthly	24-Hour Composite
Nitrate Nitrogen	Monthly	24-Hour Composite
NH ₃ as Nitrogen	Monthly	24-Hour Composite
Total Dissolved Solids	Weekly	24-Hour Composite
Total Phosphorus	Quarterly	GRAB
Orthophosphate	Quarterly	Grab
Volatile Organic Compounds*	Quarterly	Grab

* (USEPA METHOD #624)

- (3) The permittee shall monitor, record and report the quality of water in four monitoring wells, one (1) upgradient (B-113) and three (3) downgradient (TB-205D, TB-208 and TB-314).

<u>Parameter</u>	<u>Frequency of Analysis</u>
<u>Static Water Level</u>	<u>Monthly</u>
<u>Specific Conductance</u>	<u>Monthly</u>
<u>pH</u>	<u>Monthly</u>
<u>Total Nitrogen (NO₂+NO₃+TKN)</u>	<u>Quarterly</u>
<u>Nitrate-Nitrogen</u>	<u>Quarterly</u>
<u>Chloride</u>	<u>Quarterly</u>
<u>Total Phosphorus</u>	<u>Quarterly</u>
<u>Orthophosphate</u>	<u>Quarterly</u>
<u>Volatile Organic Compounds*</u>	<u>Annually</u>

* (USEPA Method #624)

- (4) 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 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 filed and signed, to the Bureau of Resource Protection, Chief, Department of Environmental Protection, SERO, 20 Riverside Drive, Lakeville, MA 02347, and to the Watershed Permitting Program, Department of Environmental Protection, One Winter Street, Boston, MA 02108, and to the Board of Health, 40 Center Street, Fairhaven, MA 02719 and to the Department of Environmental Management, 100 Cambridge Street, Boston, MA 0202.

- (5) After one full year of monitoring the Total Phosphorus and Orthophosphate results, the Department may determine, upon the request of the permittee, that the frequency of monitoring may be reduced if, in the judgment of the Department, the results of the sampling indicate that existing phosphorus levels will not adversely impact downgradient receptors.

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 date this permit was issued. Under 310 CMR 1.01(6), the request must state clearly and concisely the facts which are 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.