



## **ACTON BOARD OF HEALTH**

---

Doug Halley  
Health Director

472 Main Street  
Acton, MA 01720

Telephone 508-264-9634  
Fax 508-264-9630

December 17, 1998

Suburban Manor Nursing Home  
Wastewater Treatment Plant  
Attn: Kevin Morris  
One Great Road  
Acton, MA 01720

Re: Hazardous Materials Control Permit Application

The Acton Board of Health at their regularly scheduled meeting on December 14, 1998 approved a Hazardous Materials Control Permit for Suburban Manor Wastewater Treatment Plant and Nursing Home, located at One Great Road, Acton, MA.

The Board thanks you for the filing that you have made and looks forward to working with you and your company in the future. Please submit the application fee of \$380 within thirty (30) days of receipt of this letter. Please note that this Hazardous Materials Permit needs to be renewed annually.

Should you have any questions regarding this approval, please contact the Health Department at 264-9634.

Respectfully,

Doug Halley  
Health Director

TOWN OF ACTON  
PERMIT  
HAZARDOUS MATERIALS CONTROL BYLAW  
ARTICLE 16  
1991 ANNUAL TOWN MEETING

FILE NO.:	LOCATION:	One Great Road
APPLICANT: Suburban Manor Wastewater Treatment Plant and Nursing Home	DATE OF ISSUANCE:	December 14, 1998
MAILING ADDRESS: One Great Road Acton, MA 01720	FEE:	\$ 380.00
	EXPIRATION DATE:	May 1, 1999

Pursuant to the authority of Chapter I - Hazardous Materials Control Bylaw - of the Town of Acton's General Bylaws, the Board of Health has considered your application and plans submitted therewith, and has determined that the materials to be stored, used or generated, are within the scope of said bylaw. The Board of Health hereby orders that the following conditions are necessary and all storage, use or generation must be performed in strict conformance herewith:

**HAZARDOUS MATERIALS CONDITIONS**

1. All Hazardous Materials and Wastes shall be stored in a containment area capable of containing 110% of the largest volume stored in the containment area.
2. All Materials Safety Data Sheets (MSDSs) for the Hazardous Materials shall be maintained on site. MSDSs shall be reviewed with employees at the time of their employment and on an annual basis thereafter. MSDS must be made available to all employees upon request.
3. A Contingency Plan, including emergency contact numbers (Telephone numbers of owner, operator, etc.) and a sketch showing clearly all Hazardous Material and Waste locations shall be submitted and updated annually, to the Board of Health, Fire Department, Police Department, and Civil Defense.
4. Emergency procedures and local Emergency Response Telephone Numbers (Health, Fire, Police, D.E.P., Civil Defense, etc.) should a spill occur, shall be posted in clear view of all employees where Hazardous Materials or Wastes are used or stored.
5. All Hazardous Wastes must be disposed of by a Licensed, D.E.P. approved, hauler or be recycled on site.
6. Copies of either all invoices or manifests for any Hazardous Materials or Wastes, received or disposed, shall be submitted to the Board of Health annually.
7. All Hazardous Materials Containers shall be labeled and dated when filling first began.
8. Speedy Dry, or its equivalent, shall be kept in the storage area, in case of a Hazardous Materials or Wastes spill.
11. Protective equipment, including chemical resistant gloves, eye goggles and (rubber) boots, in addition to soap and water, shall be made available to all employees, at all times, in any Hazardous Materials or Waste storage or use area.
13. A safety eye wash station shall be installed where any Hazardous Materials or Wastes are handled or used.

14. A fire extinguisher, containing an appropriate fire extinguishing agent, shall be placed in the Hazardous Materials Storage area.
15. No food or drink shall be stored or consumed in any area where Hazardous Materials are stored or used.
18. D.E.P. Generator Registration shall be provided annually upon renewal of the Hazardous Materials Storage Permit.
25. Prior to any new chemical or processes being used, the Board of Health shall be notified.
26. The operation of this facility shall be in compliance with all present and future regulations of E.P.A. and D.E.P. at all times. Nothing in this permit allows or requires non-compliance with all present and future applicable laws or regulations of the Federal or State Governments.

Haz. Mat. User	\$30	(4)
Haz. Mat. Str. Ind. <i>Small lease</i>	\$350	(8)

/

170

8/4/98

Sharon Mastenbrook  
Acton Health Department  
472 Main St.  
Acton, MA 01720

Dear Ms. Mastenbrook,

Enclosed you will find the information that you had requested. You also had a couple of question concerning our waste treatment plant:

1. Who inspects the treatment plant?  
Waste Water Environmental Management -Business Card Enclosed
2. When is the plant serviced?  
Once a week.
3. Does the storage door to the treatment plant have a vent?  
Yes, it is located on the lower half of the door.
4. Is there a fire extinguisher is the storage room?  
No, but there is one located within the treatment plant.

I also wanted to let you know that we do not use Methanol within out treatment plant. We use Pepsi-Cola Flavoring Component #1, throughout the year. We store it in the treatment plant storeroom, in 50 gallon drums. The number on the barrels is PC-1902.

If you have any questions please feel free to contact Wayne Reikunen, Plant Manager. I will soon be relocated to another facility but Wayne will be able to assist you in any way necessary.

Sincerely,



Kevin P. Morris  
Assistant Administrator

*Waste Water Environmental Management*  
PLANT MANAGEMENT  
LABORATORY ANALYSIS

STEPHEN BADGER  
PRESIDENT

270 LITTLETON RD.  
SUITE 30  
WESTFORD, MA  
508-692-8010

LAUNDRY

(products list) -

LIQUID DIVERALK

LAUNDRY DESTAINER/SANITIZER

DIVERSOFT 5R

DIVERCID 6F

RENEW

EMULSA-TECH

LIQUID CHLORINE BLEACH

## LAUNDRY

### 1. DIVERSEY

- a) product name: LIQUID DIVERALK 1C  
product type: laundry builder
- b) product name: LAUNDRY DESTAINER/SANITIZER  
product type: chlorinated laundry concentrate
- c) product name: DIVERSOFT 5R  
product type: liquid fabric softener
- d) product name: DIVERCID 6F  
product type: laundry sour
- e) product name: RENEW  
product type: laundry detergent
- f) product name: EMULSA-TECH  
product type: laundry additive
- g) product name: LIQUID CHLORINE BLEACH  
product type: bleach

May 28, 1998

**Report on Site Visit: Suburban Manor**

Wastewater Treatment Plant and Nursing Home  
1 Great Road

Contact during Visit: Kevin Morris

Date of Visit: May 28, 1998

Sanitarian: Sharon Walker Mastenbrook

**Description of Hazardous Materials Use**

Suburban Manor is a nursing home with 120 residents and 200 employees. In the nursing home building there are two rooms which store hazardous materials: the **Housekeeping Storage Room** and the **Laundry Room**. The **Housekeeping Storage Room** stores floor stripper and floor wax. There is no floor drain in this room. The **Laundry Room** stores soap (10 gallons) and softener (10 gallons). There is a floor drain which goes to the Wastewater Treatment Plant. There is an eyewash station at the laundry sink with latex gloves and goggles nearby.

The **Wastewater Treatment Plant** at Suburban Manor services the nursing home. It treats 24,450 gallons per day of sewage with biological and chemical methods and discharges treated water into the soil. Sludge is periodically removed and taken by Raggs Septic to Fitchberg Wastewater Treatment Plant. Mount Hope Engineering of Portsmouth, Rhode Island maintains the plant for the property owner. A service person comes to the building monthly to inspect the facility. This person carries all safety equipment in his truck. Any oil changing done on site which produces used oil or grease is done over drip pans. Any waste is taken off site by the service person. Waste Water Environmental Management of Westford daily maintains the plant for the property owner.

**Site Visit Observations**

The **Housekeeping Storage Room** and the **Laundry Room** are organized and neat. They have fire extinguishers and sprinklers.

The **Wastewater Treatment Plant** is divided into three rooms. These rooms are not connected to each other. The **Methanol Room** contains a drum of methanol which is pumped periodically and automatically into the **Treatment Room** via a small plastic pipe. The methanol is used in the winter for food for the bacteria used for denitrification. In the summer Pepsi syrup is used for food for the bacteria. The room has a locking door with vents in the lower portion of the door. The room also has secondary containment great enough for two 55 gal drums.

The **Treatment Room** contains the treatment plant itself. The plant consists of a Pretreatment Tank, Flow Equalization Tank, an Aerobic Rotating Biological Contactor (RBC), an Anoxic RBC, a Secondary Clarifier, Tertiary Rapid Sand Filter, UV Disinfection, and Final Effluent Pump, all leading to Subsurface Leaching Fields. Raw sewage (influent) flows into the Flow Equalization Tank, then into Aerobic Rotating Biological Contactor, the Clarifier, and finally the Sludge Holding Tank. Treated water

(effluent) flows from the Sludge Holding Tank to the soil. There is a fire extinguisher located in the Treatment Room. Speedy Dry is also available.

There is a diesel-powered generator in the room for use if there is a power failure. A 75 gallon above ground storage tank (AST) with built-in secondary containment holds diesel fuel for the emergency generator. A 2,000 gallon Convault AST to supplement the 75 gallon AST is located outside the building. The outdoor AST contains secondary containment. It is in a fenced area.

Suburban Manor also has an outdoor locked cage for oxygen storage. The area has appropriate signs, including "No Smoking" and the cage is locked.

### **Comments**

At present the application is not complete. Missing are an application, emergency plan and MSDSs. The Methanol Room lacks a sign indicating No Smoking, Flammable, and Hazardous Material/Methanol.

### **Recommendations**

I recommend the Wastewater Treatment Plant receive a Hazardous Material Permit (#4 hazardous materials user and #9 hazardous materials storer industry small).

I recommend the following conditions be included in the permit:

1. All Hazardous Materials and Wastes shall be stored in a containment area capable of storing 110% of the largest unit volume stored in the containment area.
2. All Material Safety Data Sheets (MSDS) for the Hazardous Materials shall be stored on site, and shall be made available to all employees upon request and reviewed with all employees on a regular basis.
3. A Contingency Plan, including emergency contact numbers (Telephone Number of the owner, operator, etc.) and a sketch showing clearly all Hazardous Material and Waste locations, shall be submitted and updated annually, to the Board of Health, Fire Department, Police Department, and Civil Defense.
4. Emergency procedures and local Emergency Response Telephone Numbers (Health, Fire, Police, D.E.P., Civil Defense, etc.), should a spill occur, shall be posted in clear view of all employees wherever Hazardous Materials or Wastes are used or stored.
5. All Hazardous Wastes must be disposed of by a Licensed, D.E.P. approved, hauler or be recycled on site.
6. Copies of either all invoices or manifests, for any Hazardous Materials or Wastes, received or disposed, shall be submitted to the Board of health annually.
7. All Hazardous Materials Containers shall be labeled and dated when filling first began.
8. Speedy Dry, or its equivalent, shall be kept in the storage area, in case of a Hazardous Materials or Wastes spill.
11. Protective Equipment, including Chemical resistant gloves, eye goggles and (rubber) boots, in addition to soap and water, shall be made available to all employees, at all times, in any Hazardous Materials or Waste storage or use area.
13. A safety eye wash station shall be installed where any Hazardous Materials or Wastes are handled or used.

14. A fire extinguisher, containing an appropriate fire extinguishing agent, shall be placed in the Hazardous Materials Storage area.

15. No food or drink shall be stored or consumed in any area where Hazardous Materials are stored or used.

18. D.E.P. Generator Registration shall be provided annually upon renewal of the Hazardous Materials Storage Permit.

25. Prior to any new chemical or processes being used, the Board of Health shall be notified.

26. The operation of this facility shall be in compliance with all present and future regulations of the E.P.A. and D.E.P. at all times. Nothing in this permit allows or requires non-compliance with all present and future applicable laws or regulations of the Federal or State Governments.

30  
350