



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OFFICE BUILDING

HARTFORD, CONNECTICUT 06115



PERMIT

Woodridge Lake Sewer District
Goshen, Connecticut 06757

Attention: Mr. Russell H. Jackson
Chairman

Re: DEP/WPC-055-002
Town of Goshen
Bantam River Watershed

SP: 0000179

Gentlemen:

This PERMIT is issued in accordance with Section 25-54i of the Connecticut General Statutes, as amended. The Commissioner of Environmental Protection (hereinafter "the Commissioner") has found that the system installed for the treatment of the discharge will protect the waters of the state from pollution.

The Commissioner, acting under Section 25-54i hereby permits the Woodridge Lake Sewer District to discharge treated municipal sewage in accordance with the following conditions:

1) The wastewater shall be collected, treated and discharged in accordance with the plans and specifications approved by the Director of Water Compliance and Hazardous Substances on January 13, 1972, September 28, 1972, and January 15, 1973.

2) The discharge described in this permit shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein:

- A) Discharge Serial No. 001
Groundwaters in the Watershed of Bantam River
Average Daily Flow - 40,000 gallons per day

<u>Parameter</u>	<u>Monthly Average Quantity</u>	<u>Monthly Average Concentration</u>	<u>Minimum Percentage Removal Efficiency</u>
Biochemical Oxygen Demand ₅	3.03 kg/day	20 mg/l	90%
Suspended Solids	1.52 kg/day	10 mg/l	90%

- 1) The discharge shall be required to meet the more stringent of the monthly average concentrations or minimum removal efficiency requirements for each parameter.

Woodridge Lake Sewer District
Page 2

- 2) The monthly average quantities and monthly average concentrations specified above shall not be exceeded by a factor of 1.5 during any week.
 - 3) The above concentrations shall apply to the filtered wastewater prior to discharge to the groundwaters.
 - 4) The pH of the discharge shall not be less than 6.5 nor greater than 8.0 at any time.
 - 5) The discharge shall not contain more than 0.1 milliliters per liter settleable solids.
 - 6) The total chlorine residual of the effluent shall not be less than 0.5 mg/l nor greater than 3.0 mg/l at any time.
- 3) The discharge shall be monitored and the results reported to the Director of Water Compliance and Hazardous Substances before the 10th of each month according to the following schedule:

A) Influent

<u>Parameter</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Biochemical Oxygen Demand ₅	One per Month	Composite
Suspended Solids	One per Month	Composite
Temperature	Four per Month	Grab
pH	Four per Month	Grab
Settleable Solids	Four per Month	Grab
Total Phosphorus	One per Month	Composite
Organic Nitrogen as N	One per Month	Composite
Ammonia Nitrogen as N	One per Month	Composite
Nitrite-Nitrate as N	One per Month	Composite

- a) Record the total flow during the period of composite sample collection and the instantaneous flow at the time of each aliquot sample collection, and the instantaneous flow at the time of grab sample collection.
- b) 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. Composite samples and grab samples shall be taken between 6 a.m. and 6 p.m.

B) Discharge Serial No. 001 (Effluent)

<u>Parameter</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Biochemical Oxygen Demand ₅	One per Month	Composite
Suspended Solids	One per Month	Composite
Dissolved Oxygen	Four per Month	Grab


Woodridge Lake Sewer District
Page 3

<u>Parameter</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Chlorine Residual	Twice per Working Day	Grab
Temperature	Four per Month	Grab
pH	Four per Month	Grab
Settleable Solids	Four per Month	Grab
Total Phosphate as P	One per Month	Composite
Organic Nitrogen as N	One per Month	Composite
Ammonia Nitrogen as N	One per Month	Composite
Nitrite-Nitrate as N	One per Month	Composite

- a) Record and report on a daily basis the minimum, maximum and total flow of the discharge.
- b) Record the total flow during the period of composite sample collection and the instantaneous flow at the time of each aliquot sample collection, and the instantaneous flow at the time of grab sample collection.
- c) 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. Composites and grab samples shall be taken between 6 a.m. and 6 p.m.

4) The following operational parameters shall be monitored and the results reported to the Director of Water Compliance and Hazardous Substances before the 10th of each month according to the following schedule:

<u>Parameter</u>	<u>Location</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Dissolved Oxygen	Each Aeration Unit	Daily	Grab
Suspended Solids	Each Aeration Unit	Daily	Grab
Sludge Volume Index	Each Aeration Unit	Daily	Grab
Temperature	Each Digestion Unit	Weekly	Grab
pH	Each Digestion Unit	Weekly	Grab
Total Solids	Each Digestion Unit	Weekly	Grab
Percent Volatile Solids	Each Digestion Unit	Weekly	Grab

- a) Record the gallons of septage discharged to the treatment facility for the month. 
- b) Record the pounds of dry solids discharged to and removed from the solids handling system on a monthly basis.
- c) Record the chlorine dosages in pounds and mg/l on a daily basis.
- d) Record the number of sand filters in use and number of filters backwashed on a daily basis.

Woodridge Lake Sewer District
Page 4

<u>Parameter</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Depth to Groundwater	Quarterly	Instantaneous Measurement
pH	Quarterly	Grab
Total Phosphate as P	Quarterly	Grab
Organic Nitrogen as N	Quarterly	Grab
Ammonia Nitrogen as N	Quarterly	Grab
Nitrite-Nitrate as N	Quarterly	Grab

6) The treatment facilities shall not be bypassed at any time.

The Water Compliance Unit Sewerage Facilities Services Section, (Telephone No. 566-2409 or 566-2373) shall be notified during normal working hours, Monday through Friday 8:30 a.m. and 4:30 p.m. and in writing within 72 hours, of each occurrence of an emergency diversion or bypass of untreated or partially treated sewage, or failure of any major component of the treatment facilities which would reduce the quality of the effluent. The report shall contain:

- a) The cause of the diversion or bypass or treatment component failure.
- b) The time the incident occurred and the anticipated time which it is expected to continue or, if the condition has been corrected, the duration.
- c) The steps being taken to reduce and minimize the effect on the receiving waters.
- d) The steps that will be taken to prevent reoccurrence of the conditions in the future.

7) The disposal of screenings, sludges and other solids or oils and other liquid chemical wastes shall be at locations approved in accordance with the provisions of Chapter 474a and/or Chapter 361a of the Connecticut General Statutes or to waste haulers licensed under Chapter 474a of the Connecticut General Statutes.

8) An alternate power source adequate to operate the treatment facility and collection system, as approved by the Director of Water Compliance and Hazardous Substances in the plans and specifications dated January 13, 1973, September 28, 1972 and January 15, 1973, shall be maintained to insure that no discharge of untreated or partially treated wastewater will occur during a failure of the primary power source.

9) No industrial wastewater or cooling water shall be discharged to the wastewater collection system.

10) No sanitary wastewater discharge from other than a single family residence shall be discharged to the wastewater collection system without obtaining a permit from the Department of Environmental Protection.

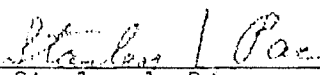
Woodridge Lake Sewer District
Page 5

10) No sanitary wastewater discharge from other than a single family residence shall be discharged to the wastewater collection system without obtaining a permit from the Department of Environmental Protection.

11) The discharger shall submit to the Director of Water Compliance and Hazardous Substances before the 10th of each month a listing for the previous month of all new discharges authorized to be connected to the wastewater collection system.

This PERMIT is the reissuance of the PERMIT issued on November 15, 1976 under Section 25-54i and shall expire on October 16, 1982. The PERMIT shall be subject to all the Section 25-54i General Conditions dated November 3, 1975 which are hereby incorporated into this PERMIT.

Entered as a PERMIT of the Commissioner the 22nd day of December, 1977.



Stanley J. Pac
COMMISSIONER

Telefax Cover Sheet

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TO: Pam Dom browski
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PAGES TO FOLLOW: 5

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Here is the original permit.

