

## VIII. Wastewater Facilities by Municipality: Fredon Township

2010 Population = 3,437  
Land Area = 17.76 square miles

2010 Population Density = 212 persons/sq. mile

This municipal chapter is an element of the Sussex County Wastewater Management Plan prepared by Sussex County Planning Division in accordance with N.J.A.C. 7:15.

### Existing and Proposed Wastewater Infrastructure

Wastewater facilities which discharge to surface water or to groundwater, for flow greater than 2,000 gallons per day, are regulated by NJ Dept. of Environmental Protection with individual New Jersey Pollutant Discharge Elimination System (NJPDES) Permits. A discharge to groundwater (DGW) facility is regulated by either a General (T1) or an Individual New NJPDES Permit.

**Bear Brook Club:** This wastewater treatment facility (NJPDES Permit No. NJ0109576) was originally designed to serve 86 residential units and golf club facilities at Bear Brook, located at Route 94, Fredon-Greendell Road, and Fredonia Road. The permitted flow for this facility is 35,000 gallons per day discharge to ground water. The golf course has closed in recent years, and the original golf clubhouse has a proposed expansion and change of use to a wedding and banquet facility.

**Proposed “High View Estates”:** Based on a former 2001 County WMP map designation, the Martin property on Route 94 obtained a NJPDES Permit in 2014 from DEP for a proposed wastewater facility with Discharge to Groundwater up to 19,950 gallons per day (GPD). The permit stated that the sewer area would be Lot 19 in Block 104, and Lot 1.01 in Block 801 for proposed 69 residential units (10 2-bedroom units and 59 3-bedroom units).

There was a Settlement Agreement in September 2016 between the Developer and Fredon Township regarding proposed residential development, including affordable housing. A Wastewater Plan Amendment will be required for additional wastewater flow above the permitted 19,950 GPD. There is a Fredon Twp. Ordinance 2001-03 adopted in Feb. 2001 that requires Hydrogeologic Reports and testing for proposed groundwater withdrawal in excess of 3,000 gallons per day.

The following table lists facilities governed by a State T-1 Permit, which is a “General Permit for Sanitary Subsurface Disposal” for discharges greater than 2,000 gallons per day.

**Table A - Existing NJPDES T-1 Facilities:**

<b>NJPDES</b>	<b>Facility Name</b>	<b>Project Summary</b>	<b>Block</b>	<b>Lot</b>	<b>Street Address</b>	<b>X Coord.</b>	<b>Y Coord.</b>
NJG0173509	Fredon Twp. Elementary School	Public school with over 300 students	1801	1	459 Route 94	405081	801647

**ON-SITE DOMESTIC TREATMENT FACILITIES**  
**FACILITY NAME: BEAR BROOK VALLEY**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0109576	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Martinsburg Formation/ Shale	
5. Classification of receiving water or aquifer:		
6. Owner of facility:	23 Players Blvd, LLC	
7. Operator of facility:	Aqua New Jersey Inc.	
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:		
a. Municipality & County	Fredon Twp. – Sussex County	
b. Street address	Route 94	
c. Block(s) and Lot(s)	Block    Lot	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude    74 49' 32	
	b. Latitude    41 01' 02    or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.035 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
TOTAL		86 housing units
*14. Summary of wastewater flow received/to be received as a 3-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (MGD)	Build-out Flow (MGD)
Residential flow	0.005	0.026
Commercial flow		0.009
Industrial flow		
Infiltration/Inflow		
<b>Facility Total</b>	<b>0.005 MGD</b>	<b>0.035 MGD</b>

**ON-SITE DOMESTIC TREATMENT FACILITIES**  
**FACILITY NAME: PROPOSED HIGH VIEW ESTATES**

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0205893	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Martinsburg Formation/ Shale	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Alice Martin	
7. Operator of facility:		
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:		
a. Municipality & County	Fredon Twp. – Sussex County	
b. Street address	Route 94	
c. Block(s) and Lot(s)	Block 104 Lot 19 Block 801 Lot 1.01	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.01995 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
TOTAL	0	69 housing units
*14. Summary of wastewater flow received/to be received as a 3-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2013) Flow (MGD)	Build-out Flow (MGD)
Residential flow	0	0.01995
Commercial flow		
Industrial flow		
Infiltration/Inflow		
<b>Facility Total</b>	<b>0 MGD</b>	<b>0.01995 MGD</b>