

## **VIII. Municipal Wastewater Management Chapters**

### **Frankford Township**

**2010 Population = 5,565**

**Land Area = 34 square miles**

**2010 Population Density = 164 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**

This section describes facilities regulated by NJ Dept. of Environmental Protection that have individual New Jersey Pollutant Discharge Elimination System (NJPDES) Permits that discharge to surface water or ground water.

#### **Branchville / SCMUA Paulins Kill Facility**

This wastewater treatment facility (NJPDES Permit NJ0146676) was constructed in 2016 and now operational. The facility serves Branchville Borough and some sites in Frankford Township, such as the Bentley assisted living facility. The Frankford Twp. Elementary School remains in the future sewer service area, but will not be connecting to SCMUA facility at this time. The future wastewater flow is projected at 144,000 GPD for Branchville and 26,000 GPD for the sites in Frankford, for a total of 170,000 GPD for the SCMUA facility. The treated wastewater is discharged to ground water in disposal beds located on Route 206 in Frankford Twp. The treatment plant is owned and operated by the Sussex County Municipal Utilities Authority.

#### **Frankford Town Center**

The proposed wastewater treatment facility would serve the sewer service area at Ross' Corner area (Block 11 Lots 1, 1.01, 1.02, 1.03, 13, 13.01-13.15, 14 and 15) located on Route 206 and Route 565. The proposed wastewater treatment facility has a projected wastewater flow of 210,394 gallons per day (GPD) discharge to groundwater and will be owned and operated by the Sussex County Municipal Utilities Authority (SCMUA). Based on current zoning and the Sussex Commons project, the projected wastewater flow would mostly serve commercial and light industrial uses, with 18 residential units proposed.

The approved plan provides for the abandonment of the existing wastewater facility (NJPDES Permit NJ0103748) at Skylands Park and the transfer of its wastewater flow to the new facility.

### **Sussex County/ Homestead Complex**

This existing wastewater treatment facility (NJPDES Permit No. NJ0022063) serves the County facilities located on Morris Turnpike, including the Fire Academy (partially located in Hampton Township), Main Library, two group homes for seniors, and maintenance garages. It also serves the Homestead nursing home which is privately owned. The current annual average flow is 18,200 GPD and the permitted flow for this facility is 50,000 GPD. The treated wastewater is discharged to the Paulins Kill River classified as FW2-NT, Category One. The treatment plant is owned by the County of Sussex and operated by the Sussex County MUA.

### **Frankford Township - Skylands Park Management**

This wastewater treatment facility (NJPDES Permit No. NJ0103748) served the 28-acre Skylands Park minor league baseball stadium located at Ross's Corner, on Route 206 and Route 565. There is a 4,200 –seat stadium and 24,000 square foot sports activity center, with projected wastewater flow of 12,600 gallons per day. Since the site includes a wastewater recycling treatment system, the actual discharge to ground water remains under 1,989 GPD. The treatment plant would be abandoned in future, and wastewater flow directed to the Frankford Town Center treatment plant when it is constructed.

The following table lists facilities typically constructed prior to State regulations, and are governed by a 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>
NJG0109541	Culver Brook Apts.	16 units in apartment bldg.	58	6	96 Union Turnpike	424177	843203
NJG0135283	Culver Lake Golf Club	9-hole golf club with restaurant (100 seats)	51	2	125 E. Shore Road	424828	845577
NJG0100838	Frankford Township School	School with capacity for 700 students and 100 staff	25	23	2 Pines Road	440150	848441
NJG0134473	Harmony Ridge Campground	Campground with 225 sites	68	7	Mattison Avenue	423618	858732
NJG0085944	Kymer Camping Resort	Campground with 250 campsites, 4 bathhouses, laundry facility	42	18	69 Kymer Road	422428	841892
NJG0128406	Sussex County Fairgrounds	Fairgrounds with admin. offices and public restrooms	11	4	Plains Road	429520	860972
NJG0134325	Yettters Diner	130-seat restaurant with 4 bedroom house	18	5.01	89 Route 206	406461	845702
NJG0227412	Chatterbox Drive Inn	Restaurant			Rt. 15 and Rt. 206	433295	832330

## **Municipal Chapter – Frankford Township Wastewater Facilities Tables**

The wastewater facility tables for all sanitary and/or process wastewater discharge to surface water facilities and those sanitary/ and/or process wastewater discharge to groundwater facilities discharging greater than 2000 gallons per day (i.e., requiring NJPDES permits) are listed below, based on whether they are domestic or industrial wastewater treatment facilities, and whether they have service areas that affect more than one municipality.

**On-Site Domestic Treatment Facilities** – These facilities are listed in Tables insert ##s here.

**Industrial Wastewater Facilities** – These facilities are listed in Tables insert ##s here.

**ON-SITE DOMESTIC TREATMENT FACILITIES**  
**FACILITY NAME: SUSSEX COUNTY HOMESTEAD FACILITY**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0022063	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Paulins Kill River	
5. Classification of receiving water or aquifer:	FW2- NT (C2)	
6. Owner of facility:	Sussex County	
7. Operator of facility:	Sussex County MUA	
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:	County Route 655	
a. Municipality & County	Frankford Twp. – Sussex County	
b. Street address	Morris Turnpike	
c. Block(s) and Lot(s)	Block 21 Lot 4	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates X – 421735 Y – 835397	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	<b>0.050 MGD</b>	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population = 116 beds total	Build-out Population = 116 beds total
*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 (in MGD)	Build-out Flow (in MGD)
Residential flow		
Commercial flow		
Institutional / Industrial flow		
Infiltration/Inflow		
<b>Facility Total</b>	<b>0.018 MGD</b>	<b>0.024 MGD</b>

\* Infiltration/Inflow (I/I): Existing I/I should be identified. However, additional future I/I may not be projected. (The NJPDES Treatment Works Approval regulations make numerical allowances for I/I.) The existing I/I can be carried-over and accounted for in the total future wastewater flow.



**ON-SITE DOMESTIC TREATMENT FACILITIES  
FACILITY NAME: FRANKFORD TOWN CENTER**

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0208990	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Paulins Kill and Walkkill Aquifers	
5. Classification of receiving water or aquifer:	GW-2	
6. Owner of facility:	Sussex County MUA	
7. Operator of facility:	Sussex County MUA	
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:		
a. Municipality & County	Frankford Twp. – Sussex County	
b. Street address	Routes 565 and 206	
c. Block(s) and Lot(s)	Block 11 Lots 1, 1.01, 1.02, 1.03, 13, 13.01-13.15, 14, 15	
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):	0.210 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
<b>Total</b>	<b>0</b>	<b>72</b>
*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 (in MGD)	Build-out Flow (in MGD)
Residential flow		0.0042
Commercial flow		0.1647
Light Industrial flow		0.04147
Infiltration/Inflow		0
<b>Facility Total</b>	<b>0</b>	<b>0.21039 MGD</b>