

## VIII. Wastewater Facilities by Municipality: Sandyston Township

**2010 Population = 1,998**  
**Land Area = 42.6 square miles**

**2010 Population Density = 47 persons/sq. mile**

This 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. A discharge to groundwater (DGW) facility is regulated by either a General (T1) or an Individual NJPDES Permit. The Facilities Tables for NJPDES Permits are listed at the end of this chapter.

The following table lists facilities typically constructed in years 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>
NJG0085537	NJDEP Div. of Fish Game & Wildlife	State park and recreation land	Blocks 2201, 2203, 2302		Walpack Rd, Brook Road		
NJG0133302	Stokes State Forest	State Park with campsites, bathroom/showers, cabin served by 12 septic systems	302	5	1 Coursen Rd	410754	856913

### **Build-out in Septic Areas and DEP Nitrate Dilution Modeal**

All undeveloped land was included as available for nitrate dilution for future septic density, including parks and open space. The results are shown by HUC-11 watershed (pages 36-39 of WMP). The undeveloped land acreage was divided by acres per new septic to calculate “Total New Septics Allowed” within that HUC-11 watershed. To calculate Total New Septics based on zoning, the acreage of land available for development was used within each general zone of the municipality.

The projected build-out numbers were further refined based on local ordinances that protect environmentally sensitive features. For example, Sandyston Township has Ordinance #05-07 titled “An Ordinance Supplementing and Amending Zoning Ordinance to Require Contiguous Undisturbed Developable Land Area”. This municipal ordinance defines “environmentally sensitive area” to include wetlands, floodways, slopes greater than 25%, and some other features, and reduces allowable density based on that. The DEP Model is run using GIS data at a regional scale and does not include the restrictions placed by the Sandyston Ordinance. The build-out number of Total New Septics was reduced based on the County Strategic Growth Plan study and the environmental constraints ordinance taken into account. Also, DEP guidance on using their model allows for a 10% range in the results, and this was applied to Sandyston Twp. watershed area.

The NJDEP Build-out Model should be viewed as a rough indicator. It is a regional planning tool with just one focus: to identify possible areas of future stresses on ground water quality. The number of maximum allowable units is a theoretical number, and local municipal plans could provide for much less growth. It is not meant to replace or override the local perspective. **Appendix J** further describes the NJDEP Build-out Model and some of its limitations as well.

## **Municipal Chapter – Sandyston 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 the following Tables.

**Industrial Wastewater Facilities** – There are none in Sandyston Township.

Wastewater discharges on the Facilities Tables are measured in Million Gallons per Day (MGD)

*In Sandyston Township, areas subject to federal 201 grant limitations - NONE*

**ON-SITE DOMESTIC TREATMENT FACILITIES**  
**FACILITY NAME: NJ SCHOOL OF CONSERVATION**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0069116	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	High Falls Formation	
5. Classification of receiving water or aquifer:	GW-2	
6. Owner of facility:	Montclair State College	
7. Operator of facility:	Montclair State College	
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:		
a. Municipality & County	Sandyston, Sussex County	
b. Street address	1 Wapalanne Road	
c. Block(s) and Lot(s)	Block 201 Lot 1	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates _____ X – 422750 Y - 872431	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0201 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
<b>Total</b>		300
*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		0.0201
Commercial flow		
Industrial flow		
Infiltration/Inflow		
<b>Facility Total</b>	<b>0.018</b>	<b>0.0201 MGD</b>

**ON-SITE DOMESTIC TREATMENT FACILITIES**  
**FACILITY NAME: LINDLEY COOK 4-H CAMP**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0051322	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	High Falls Formation/ Precambrian Gneiss	
5. Classification of receiving water or aquifer:	GW II-A	
6. Owner of facility:	Lindley Cook 4-H Camp	
7. Operator of facility:	NJ Rutgers University Cooperative	
8. Co-Permittee of facility ( <i>where applicable</i> ):		
9. Location of facility:		
a. Municipality & County	Sandyston, Sussex County	
b. Street address	100-A Struble Road	
c. Block(s) and Lot(s)	Block 2101 Lot 4	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates _____ X – 396770 Y - 851538	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0128 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
<b>Total</b>		800
*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	0.0128	0.0128
Commercial flow		
Industrial flow		
Infiltration/Inflow		
<b>Facility Total</b>	<b>0.0128</b>	<b>0.0128 MGD</b>