

VIII. Municipal Wastewater Management Chapters

STILLWATER TOWNSHIP

2010 Population = 4,099
Land Area = 27.06 square miles

2010 Population Density = 151.5 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

The larger wastewater facilities (discharge 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. The facilities discharge to surface water or ground water. The following table lists facilities governed by a NJPDES 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:

NJPDES	Facility Name	Project Summary	Block	Lot	Street Address	X Coord.	Y Coord.
NJG0128082	Aldersgate Center				Sprout Hill Rd. aka Mary Jones Road, Stillwater	386381	812734
NJG0146986	Camp Neveda Foundation	Camp with about 15 cabins, craft buildings, office, dining hall, health center, bath house, swimming pool, storage buildings for maximum of 100 campers plus 50 staff	3306	3	910 Saddle Back Road, Stillwater	389903	803669
NJG0132578	Fairview Lake YMCA Camps	Campground comprised of 90 buildings, including a dining hall	2501	29	1035 Fairview Lake Road	830328	818578

NJG0132039	Mountain Shadows Lakes	Campground with 271 campsites	1501	2.01	946 Owassa Road	386936	827649
NJG0159204	Stillwater Twp. Elementary School	School with 415 students	3306	9	904 Stillwater Road	388253	803010
NJG0133337	Swartswood State Park	State Park	3601	14	1091 Rt. 619 Eastshore Drive	403915	816346

Build-out in Septic Areas and DEP Nitrate Dilution Model

All undeveloped land was included as available for nitrate dilution, including parks and open space. The results are shown in **Table B** by HUC-11 watershed. 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.

Assuming that all lots are built out based on existing zoning, the number of Total New Septics will not exceed the DEP maximum septics allowable. For Stillwater Township, the DEP Nitrate Dilution Model predicts that ground water quality standard of 2 mg/L will be maintained when future build-out occurs. The Total New Septics based on zoning could be further modified if any additional environmentally sensitive features were removed from the build out analysis due to local protection ordinances.

The NJDEP Build-out Model should be viewed as a rough indicator. The Model includes variables with a range of values (such as household size) and assumes that existing zoning would not change. 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. There are many other considerations for municipalities, and it is not meant to replace or override the local perspective. Given the rural character of Sussex County, its roads and infrastructure, its quality of life, these are some other factors important to planning for future growth. **Appendix J** further describes the NJDEP Build-out Model and some of its limitations as well.

Table B - Additional Development at Build-out, Septic Area				
Watershed (HUC-11)	Total Undeveloped Land Available for Dilution (Acres)	DEP Nitrate Dilution Model: Acres/New Septic	DEP Model: Total New Septics Allowed	Total New Septics Based on Zoning
Trout Brook/ Swartswood Lake	5,270	4.8	1,097	744
Paulins Kill (above Stillwater Village)	1,055	4.8	220	218
Paulins Kill (below Stillwater Village)	3,475	4.7	740	607

3) Identify any areas subject to federal 201 grant limitations - NONE

4) Provide a checklist of ordinances adopted and pending to complete the municipal chapter.>

Table C - Summary of Ordinance Adoption			
Ordinance	Date Adopted	Complies with NJAC 7:15	Comments and More Protective Standards
Stormwater Management (Ground Water Recharge Maintenance)	9/2006	County Planning Board certification on 10/20/2006	
Riparian Zone Protection (optional)			
Steep Slope Protection (optional)			
Dry Conveyances in Sewer Area	n/a		
Septic Connection in Sewer Area	n/a		