

VIII. Municipal Wastewater Management Chapters

Hampton Township

2010 Population = 5,196
Land Area = 24.62 square miles

2010 Population Density = 211 persons/sq. mile

This municipal chapter is an element of the Sussex County Wastewater Management Plan (WMP) 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, and are listed in the tables at the end of this chapter.

Hampton Township - Big N Shopping Center - This existing wastewater treatment facility (NJPDES Permit NJ0024163) serves the Big N Shopping Center, Wal-Mart, and McDonalds located on Route 206. The treated wastewater is discharged to a tributary of the Paulins Kill River classified as FW2-NT. The treatment plant is owned and operated by Kere Associates. Subject to an agreement between the two owners of the two wastewater treatment plants, the proposed expansion of the NEMSA facility would allow for the transfer of wastewater flow from Big N facility in order to close this older treatment plant.

Hampton Township – Martin Property, Northwest Environmental Maintenance (NEMSA) Facility
This wastewater treatment facility (NJPDES Permit NJ0135160) serves existing and proposed commercial development on the Martin property on Route 206, such as big-box retail, banks, fitness center, and other uses. The permitted annual average flow is 19,980 gallons per day (GPD) with a proposed expansion to 102,552 GPD discharge to ground water. The treatment plant is owned and operated by Northwest Environmental Maintenance Security Association (NEMSA). Subject to an agreement between the two owners of the two wastewater treatment plants, the proposed expansion of the NEMSA facility would allow for the transfer of wastewater flow from Big N facility. Preliminary Approval for the expansion and transfer of wastewater flow from Big 'N' was granted in the Sussex County Freeholder Resolution dated November 7, 2007, and is one of the "Significant Actions" of the County WMP that would be Approved when the Plan Amendment Procedure is completed.

Hampton Township - Hampton Commons - Approximately 300 townhouse units in Hampton Commons are located off Route 206 on Cherry Lane and are served by an existing wastewater treatment facility (NJPDES Permit NJ0050580). The Hampton Commons development is at full build-out occupancy. The facility also serves the existing Lowe's store (Block 3501 Lot 37) and proposed commercial use on Route 206 in Hampton Township. The current annual average flow for this facility is approximately 36,000 GPD, and the permitted flow is 50,000 GPD. The treated wastewater is discharged to Marsh's Farm Creek, which is a tributary of the Paulins Kill River classified as FW2-NT. The treatment plant is owned and operated by the Sussex County Municipal Utilities Authority.

Hampton Township - Kittatinny Regional High School - This existing wastewater treatment facility (NJPDES Permit NJ0028894) serves the 1,950 students and staff of Kittatinny Regional High School located on Halsey-Myrtle Grove Road, and also serves McKeown School.

Missionary Society of Salesian Sisters – The existing retreat center and Camp Auxilium are located at 20 Old Swartwood Road (Blocks 3301 Lot 18 and 19) and has an existing wastewater facility (NJPDES Permit NJ0173738) with a permitted flow of 6,635 gallons per day discharge to ground water.

Carriage Acres Mobile Home Park – The existing mobile home park is located on Route 94 and is served by a wastewater facility (NJPDES Permit NJ00067806) with a permitted flow of 4,400 gallons per day with discharge to ground water. The facility is owned and operated by Carriage Mobile Homes, Inc.

Hampton Crossings – According to the DEP permit (NJPDES Permit NJ0173754), the proposed wastewater treatment facility would serve 159,000 square feet of proposed commercial development on Block 3501 Lot 44. The facility would discharge to ground water, and the property is owned by Cage Investors, LLC. For this proposed project, there has been no municipal site plan application yet.

Hampton Square – According to the DEP permit (NJPDES Permit NJ0166791), the proposed wastewater treatment facility serve 100,000 square feet of proposed commercial development, including retail, offices and restaurants, on Block 3603 Lot 7.02. The facility would discharge to ground water and the property is owned by Cage Investors, LLC. For this proposed project, there has been no municipal site plan application yet.

The following table lists facilities governed by a NJDEP 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.
NJG0134198	Newton Fitness Cntr	Fitness center 11,300 sq.ft.	3501	2	190 Halsey-Myrtle Grove Rd	427915	823684

Build-out in Septic Areas and DEP Nitrate Dilution Model

All undeveloped land, excluding wetlands, was used as available for nitrate dilution for future septic density.. **Table B** provides a comparison of DEP maximum of total units allowed and total units zoned, based on the build-out analysis. For DEP analysis of the results, the HUC-11 total is the critical number. Even though Total Zoned Units theoretically exceeds the DEP Total New Septics Allowed for Paulins Kill and Trout Brook watersheds, the entire HUC-11 watersheds meet the nitrate dilution standards so it is not an issue based on DEP analysis. The results are shown overall by HUC-11 watershed on pages 36-39 of the County Wastewater Plan.

The Sussex County Strategic Growth Plan included a more refined build-out analysis done in 2004 that removed more environmentally sensitive areas. The projected units based on zoning were adjusted to reflect the Growth Plan build-out and are shown below. The DEP Model could be overestimating the number of new units based on zoning, especially since it is a regional model with less specificity at the local level.

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
Paulins Kill (above Stillwater Village)	5,850	4.8	1,218	1,510
Trout Brook / Swartswood Lake	1,993	4.8	415	475

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. The rural character of Sussex County, its roads and infrastructure and its quality of life are some other factors important to planning for future growth. **Appendix K** further describes the NJDEP Build-out Model and some of its limitations as well.

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	County Planning Board Certification	Comments and More Protective Standards
Stormwater Management (Ground Water Recharge Maintenance)	4/11/2006	6/5/2006	
Riparian Zone Protection (optional)			
Steep Slope Protection (optional)			
Dry Conveyances in Sewer Service Area	n/a		
Septic Connection in Sewer Service Area			

Municipal Chapter – Hampton 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 – These facilities are listed in the following Tables.

Wastewater discharges are listed in Million Gallons per Day (MGD) measures.

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: CARRIAGE ACRES MOBILE HOME PARK

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0067806	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Quaternary Stratified Drift Overlying the Martinsburg Formation	
5. Classification of receiving water or aquifer:	GW-2	
6. Owner of facility:	Carriage Mobile Homes, Inc.	
7. Operator of facility:	Carriage Mobile Homes, Inc.	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	Route 94	
c. Block(s) and Lot(s)	Block 3603 Lot 2	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74°43'19"	
	b. Latitude 41°05'17"	
	c. State Plane Coordinates	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0059 Million Gallons per Day (MGD) = 5,900 Gallons per Day	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out Population
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 2013) Flow (in MGD)	Build-out Flows (in MGD)
Residential flow	0.002	0.0059
Commercial flow		
Industrial flow		
Infiltration/Inflow		
Facility Total	0.002 MGD	0.0059 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: "BIG N" SHOPPING CENTER SEWAGE TREATMENT PLANT

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024163	
3. Discharge to ground water (DGW) or surface water (DSW):	Surface water (DSW)	
4. Receiving water or aquifer:	Tributary to Main Stem of Paulins Kill	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Kere Associates	
7. Operator of facility:	Kere Associates	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	Route 206	
c. Block(s) and Lot(s)	Block 3501 Lots 30.03, 30.04 and 30.09 Block 3603 Lot 25.12	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74°44'10"	
	b. Latitude 41°03'30" or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.020 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out
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 2013) Flow (in MGD)	Build-out Flow (in MGD)
Residential flow		0
Commercial flow	0.009	0.020
Industrial flow		0
Infiltration/Inflow		
Facility Total	0.009 MGD	0.020 MGD

*Note: Subject to agreement between both owners, future wastewater flow can be transferred to the NEMSA/ Martin treatment plant and Big 'N' plant would be abandoned.

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: MARTIN PROPERTY
Northwest Environmental Maintenance Security Association (NEMSA)

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0135160	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Unnamed aquifer	
5. Classification of receiving water or aquifer:		
6. Owner of facility:	Martin Realty	
7. Operator of facility:	Aqueonics, Inc.	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	15 Route 206	
c. Block(s) and Lot(s)	Block 3501 Lots 30.01, 30.03 – 30.10 Block 3603 Lots 25.03 – 25.05, and 25.10 – 25.14	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74 44' 38	
	b. Latitude 44 4' 20 or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0198 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out
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 2013) Flow (in MGD)	Build-out Flow (in MGD)
Residential flow		
Commercial flow	0.004	0.102
Industrial flow		
Infiltration/Inflow		
Facility Total	0.004 MGD	0.10255 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: MISSIONARY SOCIETY OF SALESIAN SISTERS

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0173738	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Martinsburg Formation	
5. Classification of receiving water or aquifer:	Rank D	
6. Owner of facility:	Missionary Society of Salesian Sisters	
7. Operator of facility:	Missionary Society of Salesian Sisters	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	14 Old Swartswood Drive	
c. Block(s) and Lot(s)	Block 3301 Lots 18 and 19	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates N 814,200 ; E 413,450	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0166 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out
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 2013) Flow (in MGD)	Build-out Flow (in MGD)
Residential flow	0.0154	0.0166
Commercial flow		
Industrial flow		
Infiltration/Inflow		
Facility Total	0.0154	0.0166 MGD

**ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: HAMPTON COMMONS**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0050580	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Marsh's Farm Creek, Tributary to Paulins Kill River	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Sussex County MUA	
7. Operator of facility:	John Nugent	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:	50 Oriole Terrace	
a. Municipality & County	Hampton Twp. – Sussex County	
b. Street address	Route 206 and Cherry Lane	
c. Block(s) and Lot(s)	Block 3603 Lots ___ Block 3501 Lot 37	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74 43' 40	
	b. Latitude 41 04' 10 or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.050 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out Population
Total	350 – 500	350 - 500
*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 (in MGD)	Build-out Flow (in MGD)
Residential flow	0.03131	0.036
Commercial flow	0.00097	0.014
Industrial flow		0
Infiltration/Inflow		0
Facility Total	0.032279 MGD	0.050 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: KITTATINNY REGIONAL HIGH SCHOOL

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0028894	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Paulins Kill	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Kittatinny Regional Board of Education	
7. Operator of facility:	Kittatinny Regional Board of Education	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	77 Halsey Road	
c. Block(s) and Lot(s)	Block Lots	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude Latitude OR	
	c. State Plane Coordinates X – 419467 Y - 828634	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.045 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out Population
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 2013) Flow (in MGD)	Build-out Flows (in MGD)
Residential flow	0.005	0.045
Commercial flow		
Industrial flow		
Infiltration/Inflow		
Facility Total	0.005 MGD	0.045 MGD

Note: This facility also serves the McKeown School

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: HAMPTON SQUARE

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0166791	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:		
5. Classification of receiving water or aquifer:		
6. Owner of facility:	Cage Investors, LLC	
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	Route 206/ 94	
c. Block(s) and Lot(s)	Block 3603 Lots 7.02	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude Latitude OR	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.01994 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out Population
Total	0	
*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 (in MGD)	Build-out Flows (in MGD)
Residential flow		
Commercial flow	0	0.01994
Industrial flow		
Infiltration/Inflow		
Facility Total	0	0.01994 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: HAMPTON CROSSINGS

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0173754	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:		
5. Classification of receiving water or aquifer:		
6. Owner of facility:	Cage Investors, LLC	
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Hampton Township, Sussex County	
b. Street address	Route 206/ 94	
c. Block(s) and Lot(s)	Block 3501 Lot 44	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude Latitude OR	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.019987 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out Population
Total	0	
*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 (in MGD)	Build-out Flows (in MGD)
Residential flow		
Commercial flow	0	0.019987
Industrial flow		
Infiltration/Inflow		
Facility Total	0	0.019987 MGD