

VIII. Municipal Wastewater Management Chapters

Lafayette Township

2010 Population = 2,538
Land Area = 18 square miles

2010 Population Density = 141 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, and are listed in the tables at the end of this chapter. Even if a wastewater facility has had a DEP Permit revoked or the facility has closed, such as the former Schering Corp./ Merck facility, it remains in the plan so that a future permit application to DEP will be able to obtain a Consistency Determination.

There is a proposed wastewater facility for Nouvelle Associates property to serve proposed commercial development (consisting of retail store and restaurant) with a proposed discharge to ground water of 14,900 gallons per day. The applicant proposes to connect to Sparta water utility for the water supply for the project.

There was previously a designation for “TMB Partners” in the wastewater plan, but their permit was revoked by DEP. Since then, the property has a different owner and a Quick Chek store was built. “TMB Partners” has been removed from the plan and from the Future Sewer Area Map.

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:

NJPDES	Facility Name	Project Summary	Block	Lot	Street Address	X Coord.	Y Coord.
NJG0104361	Sunrise House Foundation	90-bed rehab center	10	4.01	Limecrest Rd	443978	819091
NJG0190543	Olde Lafayette Village	Shopping center with 78,340 sq.ft.stores, and 18,000 sq.ft. restaurants	8	26.01	75 Route 15 and Route 94	440384	822984

Build-out in Septic Areas and DEP Nitrate Dilution Model

All undeveloped land was included as available for nitrate dilution for future septic density. The results are shown in **Table B** by HUC-11 watershed. For “Total New Septics based on Zoning”, the results from the DEP Build-out Model were further modified using the Sussex County Strategic Growth Plan build-out analysis done by zoning district. Based on existing zoning, the projected number of new septic units appears to exceed the DEP maximum units allowable for Lafayette. However, for the purposes of the DEP analysis, it is inconsequential if one municipality’s zoning exceeds the DEP Model Total Allowed, provided that the regional HUC-11 watershed does not exceed the Total New Allowed Units. The regional HUC-11 watershed totals are provided on pages 36 – 39 of the County WMP. For both the Paulins Kill and Walkkill River HUC-11 watersheds, Total Zoned is below the DEP Model for Total Allowed new septic systems.

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)	3,464	4.8	721	748
Walkkill River (above road to Martins)	444	4.8	92	130
Papakating Creek	1,142	4.9	230	241

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 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	Complies with NJAC 7:15	Comments and More Protective Standards
Stormwater Management (Ground Water Recharge Maintenance)	10/18/2005	County Planning Board Certification on 9/11/2006	
Riparian Zone Protection (optional)			
Steep Slope Protection (optional)			
Dry Conveyances in Sewer Service Area	n/a		
Septic Connection in Sewer Service Area	n/a		

Municipal Chapter – Lafayette 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.

On the Facilities Tables, discharges are reported in Million Gallons per Day (MGD).

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: LAFAYETTE FEDERATED CHURCH

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ 0155047	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Paulins Kill Basin Aquifer	
5. Classification of receiving water or aquifer:		
6. Owner of facility:	Lafayette Federated Church	
7. Operator of facility:	Lafayette Federated Church	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette Twp., Sussex County	
b. Street address	180-184 Route 15	
c. Block(s) and Lot(s)	Block 18; Lot 10.03	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates X-436664 Y-829321	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.003 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		1,003 seats
*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	0.002	0.003
Industrial flow		
Infiltration/Inflow		
Facility Total	0.002	0.003 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: LAFAYETTE TWP. SCHOOL DISTRICT

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ 0074861	
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:	Lafayette Twp. Board of Education	
7. Operator of facility:	Lafayette Twp. Board of Education	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette Twp., Sussex County	
b. Street address	178 Beaver Run Road	
c. Block(s) and Lot(s)	Block 14; Lot 1	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates X-449512 Y-837333	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0087 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 Flow (in MGD)
Residential flow		
Commercial flow		0.0087
Industrial flow		
Infiltration/Inflow		
Facility Total	0.005	0.0087 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: SUSSEX COUNTY M.U.A. SOLID WASTE FACILITY

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0107689	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Tributary to Paulins Kill River	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Sussex County M.U.A.	
7. Operator of facility:	Tom Varro	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette Twp., Sussex County	
b. Street address	34 S. Route 94	
c. Block(s) and Lot(s)	Block 14; Lot 38.01	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____ b. Latitude _____ or c. State Plane Coordinates X-443194 Y-822877	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	n/a	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2013) Population	Build-out or 20-Year Future (Year 20__) <i>specify one as applicable</i>
Total	n/a	n/a
*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 or 20-Year Future (Year 20__) as applicable (in MGD)
Residential flow		
Commercial flow		
Industrial flow		
Infiltration/Inflow		
Facility Total	n/a	n/a

Note: This permit regulates the SCMUA Solid Waste Facility and approved Ground Water Protection Plan (GWPP). The permit contains sampling and reporting requirements for monitoring wells. There is no sanitary and/or process wastewater component to the permit,

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: KIMBER PETROLEUM

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Proposed	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Passaic Formation	
5. Classification of receiving water or aquifer:	GWII-A	
6. Owner of facility:	Kimber Petroleum	
7. Operator of facility:	Kimber Petroleum	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette Twp., Sussex County	
b. Street address	Intersection of Routes 94 and 15	
c. Block(s) and Lot(s)	Block 14; Lot 64	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74° 40' 45" b. Latitude 41° 05' 25" W or c. State Plane Coordinates X-442683 Y-822076	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0025 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 Flow (in MGD)
Residential flow		
Commercial flow	0	0.0025
Industrial flow		
Infiltration/Inflow		
Facility Total	0	0.0025 MGD

**ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: NOUVELLE ASSOCIATES**

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ	
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:	Nouvelle Associates	
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette Twp., Sussex County	
b. Street address	Route 15	
c. Block(s) and Lot(s)	Block 9; Lot 21.01	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude _____	
	b. Latitude _____ or	
	c. State Plane Coordinates 442,009 E 822,032 N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0149 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 Flow (in MGD)
Residential flow		
Commercial flow	0	0.0149
Industrial flow		
Infiltration/Inflow		
Facility Total	0	0.0149 MGD

* 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.

INDUSTRIAL TREATMENT FACILITIES FORMER SCHERING CORP. PROPERTY		
1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	(formerly NJ0005711)	
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:		
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Lafayette, Sussex County	
b. Street address	Route 94	
c. Block(s) and Lot(s)		
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude __ 74 41' 47	
	b. Latitude ____ 41 05' 40 or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.05 MGD	
13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2013) Flow (in MGD)	Build-out Flow (in MGD)
	Commercial flow	
Industrial flow	0	0.05
Infiltration/Inflow		
Facility Total	0	0.05 MGD

Note: Industrial building is now vacant, NJPDES Permit was revoked by DEP