

VIII. Wastewater Facilities by Municipality: Andover Township

2010 Population = 6,319

Land Area = 20.18 square miles

2010 Population Density = 313 persons/sq. mile

This element of the Sussex County Wastewater Management Plan is 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 New NJPDES Permit.

The following facilities discharge to either surface water or ground water, and are listed in the tables at the end of this chapter.

Andover Nursing Home

This existing wastewater treatment facility (NJPDES Permit No. NJ0090069) serves the Andover Nursing Home, Intermediate Care Center, and the Rolling Hills Condominium Complex. The treatment plant is owned and operated by the Andover Utility Co. Inc and the permitted design flow is 140,000 gallons per day (GPD). The franchise area was established by Township Ordinance in 1999, and the facility is regulated by the NJ Board of Public Utilities.

Long Pond School

This existing wastewater treatment facility (NJPDES Permit No. NJ0020419) serves the Long Pond School and is now covered under the General Master Permit for Surface Water Discharge for Schools NJPDES No. NJ0193381. The current annual average flow for this facility is 2,000 GPD and the future flow is projected to be 10,000 GPD. The treatment plant is owned and operated by the Andover Regional Board of Education.

St. Paul's Abbey

This existing wastewater treatment facility (NJPDES Permit No. NJ0023132) serves St. Paul's Abbey, a church instruction/retreat facility, and the Willow Glen Academy, an educational development complex, both located on Route 206. The current annual average flow for this facility is 7,500 GPD and the permitted flow is currently 20,000 GPD. There is a proposed upgrading and expansion of this facility to 40,000 MGD to serve 80 affordable housing units in the future. A Wastewater Plan Amendment received County approval, and was submitted to DEP. A Consistency Determination letter was issued in 2013. The treated wastewater is discharged to ground water. The treatment plant is owned and operated by St. Paul's Abbey.

Life Care Mews

This wastewater treatment facility's NJPDES Permit (NJ0129542) has expired and will be revoked due to rising groundwater issues at the site. The facility was built to serve the proposed Life Care Mews, a senior citizens complex near the intersection of Mulford and Limecrest Roads. However, the ground water table was affected by pumping at a nearby quarry. At one time, the property owner planned to relocate the disposal beds so the treatment plant can function and be operational. The projected design flow for the facility is estimated at 65,200 GPD, to be discharged to ground water

Proposed Convenience Store

This proposed convenience store with gas station would be located on State Route 206 at Brighton Road (County Route 603) intersection. The proposed discharge to ground water is anticipated to be up to 2,800 gallons per day and would serve a 5,775 square foot store with 16 pumps at the gas station.

Proposed Sewer Area subject to Plan Amendment Procedure

Andover Township Engineer submitted a letter to DEP in 2011 during the Public Hearing portion of the County WMP process. The letter included a list of future lots to be sewered, but for some lots there was no specific wastewater facility identified.

The DEP review letter dated 10-26-2011 included a map and a table with lots listed and the type of environmental features that affected the sewer area boundary. On the Future Sewer Service Area Map, the lots are shown as "Proposed Sites subject to Sussex County WQMP Amendment Procedures." The DEP letter and map are included at the end of this chapter.

Existing NJPDES T-1 Facilities

The following table lists facilities governed by a State T-1 Permit, which is a "General Permit for Sanitary Subsurface Disposal" for discharges greater than 2,000 gallons per day. T-1 Permits are generally used for facilities that were constructed in years prior to State regulations.

Table A – Existing NJPDES T-1 Facilities

NJPDES	Facility Name	Project Summary	Block	Lot	Street Address	State Plane X Coord.	State Plane Y Coord.
NJG0136590	Econo Lodge	60 room motel with 125 seat restaurant	153	22.01	448 Rt. 206 S.	405,330	643,316
NJG0131351	Farmstead Golf & Country Club	Golf course and club house with 300 members	111	10	88 Lawrence Rd	427894	793693
NJG0127779	Florence M. Burd Middle School	Public school	105	11	219 Newton-Sparta Rd.	424618	811759
NJG0139475	Kittatinny Valley State Park	State park with office, 2 houses, maint. shop	132	4	2 Airport Rd	425055	790580
NJG0190501	Perona Farms Food Specialties	Restaurant (560 seats), banquet facility	69	10	Route 517	439758	796207
NJG0161098	Sheridan's Lodge	Restaurant (60 seats) and bar, one apt.	77	1, 3	631 Limecrest Rd.	432404	800053
NJG0060321	Ascot Park Garden Apts	36 one BR and 12 two BR Apartments	116	24.04	1 Ascot Park		
NJG0235067	Holiday Motel	19-room Motel and 2 bedroom apartment	158	14.01	708 Route 206	421965	790284
NJG0241261	Casa Bellisima	99-seat restaurant	106	19	269 Newton-Sparta Road	438060	802633

Municipal Chapter – Andover 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 on following Tables .

Industrial Wastewater Facilities – If applicable, these facilities are listed in Tables.

**ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: ANDOVER NURSING HOME**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0090069	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:		
5. Classification of receiving water or aquifer:	Kittatinny/ Pequest	
6. Owner of facility:	Andover Nursing Home Inc.	
7. Operator of facility:	Andover Utility Co., Inc.	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Andover Twp, Sussex County	
b. Street address	Mulford Road	
c. Block(s) and Lot(s)	Block Lot	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74° 41' 49 "	
	b. Latitude 41° 02' 42" or	
	c. State Plane Coordinates: N 437,315 E 805,676	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.140 Million Gallons per Day (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
Total – For nursing home, intermed. Care For Rolling Hills condos	Existing # of beds = 700 250 apts.	700 beds 250 apts.
*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		
Industrial/ or Institutional flow	0.0727	0.140
Infiltration/Inflow		
Facility Total	0.0727 MGD	0.140 MGD

Note: This NJPDES Permit facility also serves Andover Intermediate Care Center and Rolling Hills condominiums.

* 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: LONG POND SCHOOL WTP**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0020419	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Tributary to Lake Iliff	
5. Classification of receiving water or aquifer:	FW-2-TM	
6. Owner of facility:	Andover Twp. Regional Board of Education	
7. Operator of facility:	Edward Enright	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Andover Twp., Sussex County	
b. Street address	707 Limecrest Road	
c. Block(s) and Lot(s)		
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74° 42' 30"	
	b. Latitude 41° 01' 55" _____ or	
	c. State Plane Coordinates _____	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.010 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current (Year 2015) Population	Build-out Population
Total Students	380	600
*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		
Industrial/ or Institutional flow	0.002	0.010
Infiltration/Inflow		
Facility Total	0.002 MGD	0.010 MGD

**ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: ST. PAUL'S ABBEY**

1. Existing or proposed facility:	Existing	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ 0023132	
3. Discharge to ground water (DGW) or surface water (DSW):	GW	
4. Receiving water or aquifer:		
5. Classification of receiving water or aquifer:	GW-2	
6. Owner of facility:	St. Paul's Abbey Benedictine Missionaries	
7. Operator of facility:	Br. Luke O'Connell, St. Paul's Abbey	
8. Co-Permittee of facility (<i>where applicable</i>):	n/a	
9. Location of facility:		
a. Municipality & County	Andover Twp., Sussex County	
b. Street address	291 Route 206	
c. Block and Lot	Block 153 Lot 35 Block 151 Lots 22	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 41° 02' 05"	
	b. Latitude 74° 45' 53" 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 2015) Population	Build-out Population
Total	0	+ 80 housing units
*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		
Industrial/ Institutional flow	0.007	0.040
Infiltration/Inflow		
Facility Total	0.007 MGD	0.040 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.

**ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: LIFE CARE MEWS**

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0129542 –Expired/ Revoked	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:		
5. Classification of receiving water or aquifer:	Kittatinny/ Pequest	
6. Owner of facility:	Sussex & Warren Holding Co.	
7. Operator of facility:	Sussex & Warren Holding Co.	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:	Mews Dr.	
a. Municipality & County	Andover Twp, Sussex County	
b. Street address		
c. Block(s) and Lot(s)	Block: 1902 Lot: 108	
10. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude	
	b. Latitude	
	c. State Plane Coordinates:	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0 (MGD)	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current Population	Build-out Population
Total – For Senior citizen Complex	Housing Units	Housing units
*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 Flow (Year 2015) (in MGD)	Build-out Flow (in MGD)
Residential flow		
Commercial flow		
Industrial/ or Institutional flow		0.0652
Infiltration/Inflow		
Facility Total	0.00 MGD	0.0652 MGD

ON-SITE DOMESTIC TREATMENT FACILITIES
FACILITY NAME: PROPOSED CONVENIENCE STORE

1. Existing or proposed facility:	Proposed	
2. New Jersey Pollutant Discharge Elimination System Permit Number:		
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:	(formerly Wawa, Inc.)	
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Andover Twp., Sussex County	
b. Street address	Route 206 and Brighton Road	
c. Block(s) and Lot(s)	Block 158 Lot 6	
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):	0.002722 MGD	
*13. Summary of population served/to be served including major seasonal fluctuations:	Current 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 Flow (in MGD)	Build-out Flow (in MGD)
Residential flow		
Commercial flow	0	
Industrial flow		
Infiltration/Inflow		
Facility Total	0	0.002722 MGD