

BURLINGTON COUNTY



WASTEWATER MANAGEMENT PLAN

DRAFT

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See Appendix B. Maps 3M-1 through 3M-40: Municipal Wastewater Service Area maps

I. Introduction

In 2008, the New Jersey Department of Environmental Protection adopted major amendments to the Water Quality Management Planning rules, N.J.A.C. 7:15-1 et seq. The amended rules gave each county board of chosen freeholders the responsibility to prepare wastewater management plans for all of its municipalities. Before this, that responsibility was the obligation of wastewater management planning agencies that also had responsibility for constructing and operating wastewater treatment plants. In Burlington County, these agencies included municipalities, sewerage or utility authorities serving a single municipality or regional sewerage or utility authorities serving multiple municipalities.

In addition to changing the entities accountable for preparing wastewater management plans, the 2008 rules added significant new requirements for plan contents. County plans were to include a distinct chapter for each municipality within the county and were to be submitted as a whole to DEP no later than April 7, 2009. Most significantly, if the plan submission deadline was not met, the rules called for withdrawal of wastewater service area designations essentially resulting in a prohibition on new development to be serviced by sewer. The deadline for submission was subsequently extended until April 7, 2011 by Administrative Order No. 2010-03 signed by Commissioner Martin on March 24, 2010.

In April of 2011, few, if any, counties had submitted a county-wide plan. The resultant withdrawal of wastewater service area designations mandated by the rules was having a detrimental impact on much of the new development proposed in the State at a time when the economy was beginning to show signs of recovery after the recent recession. In response, legislation was introduced in December of 2011, swiftly adopted by the Assembly and Senate, and signed into law by Governor Christie on January 17, 2012.

P.L. 2011, c. 203, stipulated that no wastewater service area designation would be withdrawn but would remain in effect for 180 days following enactment of the law. Wastewater planning agencies were then required to submit at least that portion of a wastewater management plan designating a sewer service area within that same 180 day period, or by July 17, 2012. The law also gave planning agencies the ability to submit other portions of a wastewater management plan in additions to the portion designating a sewer service area and granted DEP explicit authority to adopt portions of a plan. Furthermore, the legislation allowed DEP to approve inclusion of areas within a sewer service area despite the fact that existing treatment plants may not have the assured capacity to treat wastewater from that area without infrastructure improvements or permit modifications. P.L. 2011, c. 203 was to expire on January 17, 2014.

On July 11, 2012 by Resolution No. 2012-00369, the Burlington County Board of Chosen Freeholders approved a Future Wastewater Service Area map as the first phase of development of the county-wide wastewater management and authorized submission of that map to DEP for consideration as an amendment to the Tri-County Water Quality Management Plan. A public hearing to take comment on the map was held on October 9, 2012 and on May 7, 2013, DEP adopted the Future Wastewater Service Area map as an amendment to the Tri-County Water Quality Management Plan.

In September 2013, the Board of Chosen Freeholders subsequently submitted a second Water Quality Management Plan amendment that would update and correct portions of the county-wide future sewer service areas map and include build-out analyses and capacity constraints for a number of municipalities. The Department declined to review that application upon advice of legal counsel.

In January 2014, P.L. 2013, c.188 amending and supplementing P.L. 2011, c. 203, (hereafter P.L. 2013, c.188), modified the WQM Planning process. Similar to P.L. 2011, c. 203, Section 9 of P.L. 2013, c. 188 provided that upon adoption of the designation of a sewer service area pursuant to the WQM Planning rules, portions of the WMP may be submitted for review and subsequent adoption, in phases in a sequential or other manner deemed timely or expedient by the Department. P.L. 2013, c.188 expired on January 17, 2016 upon the reauthorization and adoption of WQM Planning rules N.J.A.C 7:15 et seq.

Finally, in November 2016, the Department revised and re-adopted the water quality management rules that require the development of a wastewater management plan. This County-wide Wastewater Management Plan has been developed in accordance with the Water Quality Management Planning rules recently adopted at N.J.A.C. 7:15 et seq. Upon adoption, this plan will be valid for a period of 11 (eleven) years. Subsequently, wastewater management plans will be prepared every ten years.

Alternative Assignment of Wastewater Management Planning Responsibility

The Burlington County Board of Chosen Freeholders has identified the Department of Resource Conservation as the County office charged with WMP preparation and maintenance. Any proposed revisions or amendments to this wastewater management plan shall be submitted to Burlington County Department of Resource Conservation at PO Box 6000, Mount Holly, NJ 08060. No entity has requested alternative assignment of wastewater management planning responsibility pursuant to NJAC 7:15-2.8(b).y.

Status of Previously Approved Local and Regional WMPs Affected by the County WMP

As of the date of this submittal, wastewater management planning responsibility for the full County remains with the County Board of Chosen Freeholders and no alternative assignments have occurred.

Several municipalities in the County are included in previously adopted and current wastewater management plans (WMPs). The WMPs that are current include the Mount Holly Municipal Utilities Authority WMP, as it pertains, entirely or partially, to Mount Holly, Lumberton, Eastampton, Hainesport, Westampton, and Moorestown Townships; the Bordentown Sewerage Authority WMP as it pertains to Bordentown Township and Bordentown City; and the Mansfield Township WMP as it pertains to Mansfield Township only. The County WMP incorporates by reference and supersedes all of these previously approved WMPs. Expiration dates noted in Table 1 likewise will be superseded and extended to the expiration of the adopted County-wide WMP.

The WQMP rule provides that any WMP previously approved by NJDEP shall remain in force until superseded by a subsequent WMP. In Burlington County, the previously approved WMPs listed in **Table 1** are still considered current until the noted expiration date. Relevant portions of these current plans have been incorporated into this County-wide Plan, including the wastewater service areas and facility tables. In addition, updates to the sewer service areas that were the subject of site specific amendments or were identified during the local planning process to be added to the future sewer service areas have likewise been included. The County-wide WMP, when adopted into the Tri-County Water Quality Management Plan will supersede and extend the expiration dates of the WMPs that are currently in effect.

Table 1. Current WMPs

WMP Planning Area	Municipality	Expires
Bordentown Sewerage Authority	Bordentown City and Bordentown Township	Original Expiration: June 30, 2016; now June 30, 2021
Mount Holly Utility Authority	Mount Holly Township, Eastampton Township, Hainesport Township, Lumberton Township, Moorestown Township (portion), Westampton Township (portion)	March 24, 2023

WMP Planning Area	Municipality	Expires
Mansfield Township	Mansfield Township Florence Township (portion)	November 20,2024

Overview of County

Burlington County is the largest county in the State encompassing 820 square miles extending from the Delaware River on the west to the Great Bay to the east. Approximately 65% of the County's land area is included within the Pinelands National Reserve. Historically, development occurred primarily along the more important water bodies, including the Delaware River, the Crosswicks Creek and the Rancocas Creek. However, historic villages exist in more isolated areas, and include places like Chatsworth, Jacobstown, Cookstown, and Green Bank. Presently, most of the County's urban development is concentrated in the northwestern part of the County. The Board of Chosen Freeholders has acted aggressively to preserve productive farmland with a focus in the northeastern portion of the County. Modern growth continues to push towards the agricultural and rural areas of the eastern side of the County but will be limited to a large degree by the protections afforded by the Pinelands Protection Act. To a much lesser degree in terms of area, there are also restrictions on additional development on the tip of the County near the Atlantic Ocean where Coastal Zone Management rules limit development.

Overview of Current Wastewater Services and Wastewater Responsibilities

The development patterns of the County of Burlington have given us a large number of public and private wastewater systems. There are public utilities serving a number of municipalities, public utilities serving only one municipality, community systems serving smaller residential developments like mobile home parks, industrial facility treatment plants, and finally, thousands of individual subsurface disposal systems serving both residential and commercial sites.

Collection systems to the various domestic treatment works facilities are maintained by either the utility authority or by the municipality where they are located. The collection systems range in age from the older systems near the Delaware River to more recent installations in Chesterfield and Evesham.

There are no combined sewers within Burlington County.

Overview of Major Environmental, Regional and Local Considerations to Wastewater Services

Wastewater Management Planning is part of the continuing planning process required by the New Jersey Water Quality Planning Act (N.J.S.A. 58:11A-1 et seq.) and Section 208 of the federal Clean Water Act. The intent of the continuing planning process is to align federal, state, regional and local land use planning to ensure that these land use plans do not conflict with each other.

The provision of environmental infrastructure, in particular centralized sewer service, has a profound influence on development patterns and intensity. The wastewater management planning process is intended to assign an appropriate wastewater management treatment solution to geographic areas based on environmental sensitivity and other land use planning objectives such as regional center-based development or farmland preservation. The extension of public sewers into areas designated for protection by federal, State, regional or local land use plans would be inconsistent with those protection objectives.

The Water Quality Management Planning Rules generally exclude the extension of sewer service into large contiguous areas, defined as 25 acres or more, of wetlands, category one water buffers, Natural Heritage

Priority Sites, and/or endangered and threatened species habitat. The extension of sewer service into these areas would encourage their development and thus conflict with the Department of Environmental Protection's statutory mandate to protect these resources.

It should be noted that under limited circumstances environmentally sensitive areas that meet the 25 acre threshold may be included in the sewer service area as necessary to preserve the investment in projects having already received certain local and State approvals, to relate sewer service areas to recognizable geographic features, or to accomplish center based development proposed by the local land use planning authority and approved by the Department of Environmental Protection through the plan endorsement process.

Additional regional and local land use planning objectives used in delineating appropriate areas for public sewer service are discussed in the Pinelands, Coastal, & Delaware River Basin Section of this WMP. The delineation of future wastewater service areas recognizes and incorporates existing patterns of development and public infrastructure, including existing sewers. It also integrates County planning efforts in the Route 130 corridor and in the northern Burlington County area, as well as the County Farmland Preservation Plan, the Pinelands Comprehensive Management Plan and the Coastal Area Facilities Act.

Map 1 identifies jurisdictional and political boundaries and features within the County as it pertains to wastewater planning and in accordance with regulatory mapping requirements. It includes the wastewater planning area boundary (entire county), WQM boundary (Tri-county) as an inset, municipal boundary, CAFRA area, and Pinelands area. Map 1 is attached as an 11x17 folded map.

Map 2 depicts selected environmentally sensitive features, such as wetlands and water bodies. Map 2 is attached as an 11x17 folded map.

Map 3 shows sewer service areas, assigned to existing treatment facilities and unassigned where no treatment facility is identified or proposed to treat wastewater from the sewer service area. Map 3 is attached as an 11 x 17 folded map.

II. Summary of Actions

This chapter describes the criteria used for the delineation of areas eligible for sewer service area and includes a description of the number of acres added and/or subtracted from the area eligible for sewer service. Strategies to address any potential capacity deficiencies identified in the wastewater treatment capacity and nitrate dilution analyses are discussed in Chapter VI.

From 2008 to 2017, a large number of sewer service area changes occurred. Some changes removed sewer service area due to new mapping rules requiring that environmentally sensitive area be removed from sewer service. Some changes added sewer service area based on the Pinelands Comprehensive Management plan allowing designation of Pinelands Villages and Regional Growth Areas as sewer service areas. Finally, some changes occurred due to site specific amendments that were adopted since 2008. In all, the sewer service area changes since 2008 resulted in the addition of 25,226 acres to the sewer service area and 30,331 acres removed from the sewer service area.

Eligible Sewer Service Areas

The term “Eligible for sewer service area” means areas determined to meet the criteria for designation as sewer service in accordance with N.J.A.C. 7:15-4.4. Eligible sewer service areas are identified as either “assigned sewer service area” or “unassigned sewer service area”. An “assigned sewer service area” is an area in which sewage is currently conveyed and or proposed to be conveyed to an assigned facility while an “unassigned sewer service area” is an area mapped for future sewer service with no designated treatment facility.

Environmentally Sensitive Areas

Under the Water Quality Management Planning Rules, large contiguous environmentally sensitive areas, generally defined as 25 acres or greater in size should be excluded from sewer service areas except under certain circumstances such as providing service to development that has already secured prior approvals or center based development approved by the Department of Environmental Protection through the Plan Endorsement process. The analysis of whether an area meets the definition of environmentally sensitive was performed on a parcel by parcel basis using the following criteria:

- Federal Grant conditions can restrict the limits of sewer service. In Burlington County, Federal grant restrictions impact the sewer service area of the Bordentown Sewer Authority. The Bordentown Sewer Authority has a current wastewater management plan with amendments. The sewer service area mapped in this document reflects the adopted map and plan for the Bordentown Sewer Authority and it has been determined to be in compliance with the Federal grant restrictions. Mount Laurel Township Municipal Utilities Authority also received a federal grant. However, the grant restrictions do not impact the proposed future sewer service area shown in this document.
- The State of New Jersey has adopted Coastal Fringe Planning Areas, Coastal Rural Planning Areas and Coastal Environmentally Sensitive Planning Areas that prohibit sewer service. A portion of Bass River Township is within a Coastal Environmentally Sensitive Planning Area, outside the Pinelands Protection Area on the southeast side of the Garden State Parkway. Except for existing, approved onsite treatment works or individual subsurface disposals systems, no future sewer service is proposed within the Coastal Environmentally Sensitive Area.
- Environmentally constrained lands as depicted in the Landscape Project Version 2.1 were initially used to identify and remove from future sewer service any areas containing more than 25 acres of contiguous wetlands or Rank 3, 4, or 5 habitats from the map of environmentally constrained areas.

Certain areas mapped as wetlands on the Landscape Project were added back into the future sewer service area where an approved Letter of Interpretation exists and/or existing development is proximal to sewer mains. It is noted for public information purposes that all areas may be protected through other NJDEP regulatory programs such as the Flood Hazard Area Control Act and Freshwater Wetlands Act rules, and may be protected by municipal ordinances as well.

- Burlington County has worked to support a permanent agricultural land base and to preserve open space. Preserved farmland was removed from the sewer service area. Preserved farmland may have exception areas where development rights have not been severed. These exception areas may be included in the future sewer service area. Open space is also typically removed from the sewer service area. However, restroom facilities or other designated development within parks may be included in the sewer service area.
- Finally, all areas located within a Pinelands Village or a Pinelands Regional Growth Area were added to the future sewer service area. In all municipalities with sewer service in the Pinelands Protection Area, except sewer service areas in Pemberton Township and a portion of Medford Township, no treatment plant is currently proposed to serve the Regional Growth and Village management areas. However, should sewer service become available those areas would be permitted to connect if capacity is shown through NJPDES and other permitting processes. This document contains facility tables for each of these Regional Growth and Village areas in each municipality where sewer service is not otherwise available. The facility tables are only for planning purposes to show the potential capacity needed if the entire area were to be served by one centralized domestic treatment works facility.

Sewer Service Areas in Environmentally Sensitive Areas

The WQMP rules allow for inclusion of environmentally sensitive areas under limited conditions. The following modifications were considered for the County WMP:

- Where a development has secured approval under the Municipal Land Use Law and possesses a valid wastewater approval, the site may be included in the sewer service area if consistent with that valid wastewater approval. This information was gathered in consultation with municipalities and property owners. In some cases, the DEP reviewed mapping for consistency under Administrative Order and this was used in lieu of a valid approval to include some sites in the sewer service area. Additionally, the Pinelands Comprehensive Management Plan supports the inclusion of all Pinelands Village and Regional Growth Management Areas as eligible for sewer service. The locations of the sites that were included based on these approvals, permits, or the Comprehensive Management Plan are listed on the following table. **Map 6** shows the locations of these sites.
- Where a project has an approved site-specific water quality management plan and wastewater management plan amendment from the Department, the project may be included in the wastewater management plan consistent with that approved site specific amendment for a period of six years from the date the amendment was adopted, unless the proposed site is connected to public sanitary sewer. In those cases, it remains in the sewer service area. The location of these developments is indicated on Table 2 – Valid Approvals Used for Mapping.
- Where environmentally sensitive areas are bordered on either side by areas with existing sewer service, and where the infill development would generate 2,000 gpd or less of sewage based on existing zoning and where the area to be included does not include habitat critical to the recovery potential or the survival of a local population of an endangered or threatened species.

Table 2. Valid Approvals Used for Mapping								
MAP ID	SITE NAME	MUNICIPALITY	APPROVAL TYPE	APPROVAL DATE	BLOCK	LOT	APPROVAL NUMBER	OTHER APPROVALS
4	KIRCHNER	BEVERLY	AO3	9/14/2011	23.01, 48, 85, 35, 43, 1	3; 1; 5; 2; 3; 3.01		
5	BASS RIVER - PV	BASS RIVER TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
6	MAIMONE	BASS RIVER TOWNSHIP	AO3-EXCLUDE	12/8/2011	38	16		
7	CENTRAL CROSSINGS	BORDENTOWN TOWNSHIP	WQMP AMENDMENT	1/16/2014	138.12 (138 & 137.01)	5.01 & 5.02 (6 & 3.02)	PI: 435433	
8	HIGGINBOTHAM	BURLINGTON CITY	AO3	12/8/2011	222	11		
9	BONNER	BURLINGTON CITY	AO3	12/8/2011	222	12		
10	TAYLOR/WHITESELL	BURLINGTON TOWNSHIP	AO3	6/23/2011	153	1.01		
11	MASONIC HOME	BURLINGTON TOWNSHIP	LOI	4/13/2009	130, 130.02, 132, 132.02, 133, 134, 137, 139	NUMEROUS	0306-08-0002.1-FWW080001	SITE PLAN APPROVAL 2/28/12
12	J.S. HOVNIANIAN/JAMIESON	BURLINGTON TOWNSHIP	LOI	1/22/2008	130 & 132.02	2 & 3, 3.01, 8.01	0306-02-0004.3-FWW070001	
13	BURLINGTON TOWNSHIP	BURLINGTON TOWNSHIP	REDEVELOPMENT PLAN	3/10/2010	98	7 & 8		ORDINANCE ADOPTED
14	SUNSET ROAD CHURCH OF CHRIST	BURLINGTON TOWNSHIP	HABITAT ASSESSMENT	8/6/2009	109.31	4 & 5.02	0306-09-0002.1-FWW090001	PRELIM SITE PLAN

15	MESSER/FERRARA	BURLINGTON TOWNSHIP	LOI		109.31	1	0306-08-0004.1-FWW080001	
16	BUSTLETON INVESTORS/MARTIN	BURLINGTON TOWNSHIP	LOI	4/19/2005	154.01	1	0306-05-0001.1-FWW050001	
17	RENAISSANCE PROPERTIES / KINSELLA	CHESTERFIELD TOWNSHIP	LOI	7/7/2008	202	24.01, 25.01, 25.02	0307-02-0008.1-FWW080001	TDR RECEIVING AREA
18	CHESTERFIELD TOWNSHIP	CHESTERFIELD TOWNSHIP	WQMP AMENDMENT	2/18/2008	VARIOUS	NUMEROUS		PRE-2008 APPROVAL
19	CHESTERFIELD TOWNSHIP	CHESTERFIELD TOWNSHIP	STATUS MAP	7/31/2008	VARIOUS	NUMEROUS		MUNICIPAL MASTER PLAN
20	TRI-BORO / GERMANO	CINNAMINSON TOWNSHIP	SEWAGE AUTHORITY APPROVAL	8/15/2013	703	28.01 & 29		TWP CONSENT RESOLUTION
21	ABUNDANT LIFE	DELANCO TOWNSHIP	SEWAGE AUTHORITY APPROVAL	2/12/2010	2200	2.01, 3, 3.01, 3.02, & 3.03		DEP PRE-APP MEETING
22	RIVERS EDGE	DELANCO TOWNSHIP	AOE-EXCLUDE	9/14/2011	500	NUMEROUS		EXCLUDE FORAGING HABITAT
23	NEWTONS LANDING	DELANCO TOWNSHIP	AO3-EXCLUDE	9/14/2011	2100	63 & 63.01		EXCLUDE FORAGING HABITAT
24	HARRIS RESIDENTIAL LOT	DELANCO TOWNSHIP	AO3-EXCLUDE	9/14/2011	2100	14		EXCLUDE FORAGING HABITAT
25	MUSLIM ASSOCIATION H.O.W.	DELANCO TOWNSHIP	SEWAGE AUTHORITY APPROVAL	12/10/2013				*NOT ON SEPT 2013 FWSA MAP
26	KLUMP / BIEGEN	DELRAN TOWNSHIP	AO3	9/16/2011	116	10.01	0300-06-007.1-FWW0600001	LOI
27	MORIUCHI	DELRAN TOWNSHIP	FINAL SUBD APPR	7/12/2007	117	5	PP2007-7	

28	AMICO ISLAND COUNTY PARK	DELRAN TOWNSHIP	LOI	6/22/2007	1	2, 5, 6, 7 & 8	0310-02-0001.2-FWW040001	
29	MYERS TRACT PARK	DELRAN TOWNSHIP	LOI	1/1/2008	83	12 & 13	0310-08-0001.1	
30	CRAMPS	EDGEWATER PARK TWP	HABITAT REVIEW	7/22/2010	501	1, 6 & 7	0312-10-WQMP.1	TOROK
31	EDGEWATER PARK SA	EDGEWATER PARK TWP	TWA	11/18/2011	404	2.02	10-0215A	
32	SI-TAM ASSOCIATES	EVESHAM TOWNSHIP	FINAL SITE PLAN	9/20/2010	35.30	20	ZB-08-06	LOI
34	900 ROUTE 73 SOUTH	EVESHAM TOWNSHIP	SITE PLAN	9/20/2010	37.01	2	ZB-08-07	LOI
35	CAPLAN	EVESHAM TOWNSHIP	AO3	11/28/2011	15.08	3	0313-03-0008.1-FWW050001	SITE PLAN
37	LENAPE REGIONAL BOE	EVESHAM TOWNSHIP	AO3	11/16/2011	39	1, 1.02, 2, & 2.01		
38	PINELANDS RG & VILLAGE	EVESHAM TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
39	HOVBROS EVESHAM	EVESHAM TOWNSHIP	LOI	8/12/2011	8.18	3 & 5	0300-07-007.1-FWW070001	TRANSITION WAIVER & AO3
40	MUSULIN	EVESHAM TOWNSHIP	AO3	11/16/2011	11	1.02 (1)		
41	MIPRO HOMES	EVESHAM TOWNSHIP	AO3	11/16/2011	15	3, 4, 5, 6 & 12	0313-05-0003.1-FWW050001	ADOPTED WQMP AMENDMENT
42	DELUCA ENTERPRISES	EVESHAM TOWNSHIP	AO3	11/16/2011	15	7 & 8		
43	EVESHAM TOWNSHIP SHARP ROAD	EVESHAM TOWNSHIP	AO3	11/16/2011	15	9		

44	SCOTTO SUBD / TUSCAN WAY	EVESHAM TOWNSHIP	AO3	12/20/2011	17	3 & 4	0300-05-003.1- FWW-050001	LOI
45	SCOTTO SUBD / TUSCAN WAY	MEDFORD TOWNSHIP	AO3	12/20/2011	901	1.01	0300-05-003.1- FWW-050001	LOI
46	SOBOLESKI	EVESHAM TOWNSHIP	WQMP AMENDMENT	6/26/2014	11.52	3	0313012- 0009.1	LOI
47	KONEK LLC	FIELDSBORO BOROUGH	SITE PLAN	7/22/2009	25	1	2009-6P	AO3
48	VAN DEN KOOY	FIELDSBORO BOROUGH	AO3	11/21/2011	34	1 - 3, 4.01 & 4.02		
49	VAN DEN KOOY	FIELDSBORO BOROUGH	AO3	11/21/2011	14	1 & 2		
50	NFI REAL ESTATE	FLORENCE TOWNSHIP	WQMP REVISION	2/25/2010	160.01	6.01		
51	FLORENCE TOWNSHIP	FLORENCE TOWNSHIP	TWA	2/6/2006	165.01	2.01	05-0739	
52	NORTHERN MANSFIELD WWTP TRANSFER	MANSFIELD	WQMP AMENDMENT	6/16/2014	3 & 4	5.01, 10.01 & 6.01, 7		
53	PINELANDS VILLAGE BOUNDARY	MEDFORD LAKES BOROUGH	MOU	4/13/2012	VARIOUS	NUMEROUS		
54	PINELANDS REGIONAL GROWTH	MEDFORD TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
55	HUETTL	MOORESTOWN TOWNSHIP	AO3	11/18/2011	5100	1.03		
56	BURRIS / MADEIRA	MOORESTOWN TOWNSHIP	TWA	2/24/2012	6505	14 & 18	11-0349	
57	MOORESTOWN EMERGENCY SERVICES	MOORESTOWN TOWNSHIP	HABITAT ASSESSMENT	7/28/2010	7401	3		

58	MAYBURY TRACT	MOORESTOWN TOWNSHIP	LOI	7/28/2010	5800	47	0322-09-0008.1-FWW100001	
59	MORIUCHI	MOORESTOWN TOWNSHIP	SITE PLAN	11/1/2007	7500	1		COURT DECISION
60	VIRTUA	MOORESTOWN TOWNSHIP	TWA	9/16/2011	6800 (MT.LAUREL 503.03)	1 (MT. LAUREL 1)	11-0188	BUILT
61	BISHOPS GATE SOUTH	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	509	1.01, 1.02, 1.03 & 1.05		
63	BANCROFT NEUROHEALTH FACILITY	MOUNT LAUREL TOWNSHIP	WQMP AMENDMENT	5/12/2015	509	1.04 (NOW 1.01)	AMD150001	
64	LEADENHALL BUSINESS PARK	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	304	8		
66	LAUREL WOODS SUBDIVISION	MOUNT LAUREL TOWNSHIP	AO3-EXCLUDE	6/23/2011	1303.01	2 THROUGH 22		STREAM MAINTENANCE EASEMENT
67	COUNTRY WIDE FARMS	MOUNT LAUREL TOWNSHIP	AO3-EXCLUDE	6/23/2011	1302.01	49 & 50		
68	HORIZON CORPORATE CENTER	MOUNT LAUREL TOWNSHIP	AO3-EXCLUDE	6/23/2011	1300.04	7		
69	REDEVELOPMENT AREA	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	1310, 1304, 1304.02, & 1305	NUMEROUS		
70	ROGERS WALK	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	1104	3, &		
71	RAMBLEWOOD GOLF COURSE	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	1003 & 1103	6 & 10.02, 16.01, 2.011-2.014, 8.03, 2.01, 32		AO3 ON 9/2/2011
72	RESIDENTIAL LOT	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	1004.01	16		

73	EAST GATE SHOPPING CENTER	MOUNT LAUREL TOWNSHIP	AO3-EXCLUDE	6/23/2011	1200 & 1201.01	1.04 & 1		
74	FAIR SHARE HOUSING	MOUNT LAUREL TOWNSHIP	AO3	6/23/2011	701	3		
75	WATERWOOD	MOUNT LAUREL TOWNSHIP	LOI	6/4/2014	510	3	0324-12-0008.1	WQMP AMENDMENT
76	TESTA / PROCACCI	EVESHAM TOWNSHIP	WQMP AMENDMENT	1/16/2015	15	11.03, 11.04 & 11.05	AMD140008	LOI
77	WINDING BROOK	EVESHAM TOWNSHIP	WQMP AMENDMENT	6/4/2015	14	3	AMD140009	
78	LIVING FAITH / KONG	MOUNT LAUREL TOWNSHIP	AO3	9/16/2011	304	3	0324-05-0002.1-FWW050001	LOI
79	PALMYRA HARBOUR	PALMYRA BOROUGH	AO3	9/14/2011	152 & 153 & 155.01	NUMEROUS		
80	ROUTE 73 REDEVELOPMENT AREA	PALMYRA BOROUGH	AO3	9/14/2011	VARIOUS	NUMEROUS		
81	EARLY CHILDHOOD CENTER	PEMBERTON TOWNSHIP	AO3	7/8/2011	800	18.02		WQMP AMENDMENT
82	PINELANDS REGIONAL GROWTH AREA	PEMBERTON TOWNSHIP	MOU	4/13/2012				
83	GOLDEN TRIANGLE (PULTE)	RIVERSIDE TOWNSHIP	LOI	2/5/2008	602	2.02	0330-06-0001.1-FWW070001	
84	PINELANDS REGIONAL GROWTH & VILLAGES	SHAMONG TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
85	PINELANDS REGIONAL GROWTH & VILLAGES	SOUTHAMPTON TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
86	PULTE / COSGROVE	SOUTHAMPTON TOWNSHIP	AO3-EXCLUDE	12/7/2011				NEEDS OTHER PERMITS

87	PINELANDS REGIONAL GROWTH & VILLAGES	TABERNACLE TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
88	SEQUOIA HIGH SCHOOL & PUBLIC SAFETY BLDG	TABERNACLE TOWNSHIP	WQMP AMENDMENT	7/23/2008	1201 & 404	28 & 16.01, 18		
89	PINELANDS VILLAGES	WASHINGTON TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		
90	PINELANDS VILLAGES	WOODLAND TOWNSHIP	MOU	4/13/2012	VARIOUS	NUMEROUS		

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Exceptions to the Use of Geographic or Political Boundaries

Geographic or political boundaries were used, where applicable, to delineate wastewater service areas. However, the application of environmental constraints, especially wetlands and highly ranked habitats has created wastewater service areas that reflect the presence of those factors more than the presence of political or geographic boundaries. Also, as noted previously in this document, many wastewater treatment facilities serve areas in multiple municipalities. In those cases where multiple jurisdictions are served by a centralized treatment plant, the limits of the wastewater service areas were determined based on other factors. Those factors include the location of existing sewer service and/or sewer pipes, the presence of environmental constraints, the existence of contractual agreements (municipal resolutions, Utility Authority agreements and resolutions, treatment works approvals, etc.)

An excessive number of instances occur where the future wastewater service area does not adhere to geographic or political boundaries, such that listing each in detail would be unreasonably burdensome. The list, below, offers an overview of the important occurrences where boundaries are not based solely on important habitats, wetlands or other environmental constraints.

- Mount Holly MUA serves multiple municipalities. Mount Holly, Eastampton, Lumberton, Hainesport are served entirely by the Mount Holly MUA collection system. Westampton, Moorestown, and Pemberton Township connect certain developments, existing or proposed.
- Willingboro MUA serves multiple municipalities. Willingboro and Edgewater Park are served entirely by the Willingboro treatment plant. Edgewater Park operates their own collection system that delivers effluent to the Willingboro system. A small portion of Delanco Township is connected to the Willingboro treatment plant based on agreements and treatment works approvals. A significant area in Westampton is connected or proposed for connection to the Willingboro treatment plant based on an agreement that state the Willingboro MUA will provide 325,000 gallons of water and wastewater capacity for a term of 20 years.
- Burlington City and Burlington Township have a combined collection system that serves the Township. The collection system combines effluent and then delivers a limited volume to the City wastewater plant for treatment. The volume is limited to 600,000 gallons per day per agreement between the municipalities. However, the collection system in Burlington City is only connected to the City domestic treatment works. Both treatment facilities use the same discharge pipe to the Delaware River.
- The Kings Grant wastewater treatment plant in Evesham Township serves only the Kings Grant development and a few lots in Medford Township based on a Waiver of Strict Compliance issued by the New Jersey Pinelands Commission. The limits of that service area adhere mostly to lot lines, but specifically to development permitted under that Waiver and via determinations of consistency by the Pinelands Commission.
- The Camden County MUA Delaware #1 Water Pollution Control Facility treats effluent from a portion of Mount Laurel Township. Based on an agreement between Cherry Hill Township in Camden County and Mount Laurel, the Mount Laurel MUA operates a collection system that delivers effluent from approximately 378 dwelling units and 61 non-residential uses into the Cherry Hill system that is part of the Delaware #1 WPCF collection system.
- The Mount Laurel MUA Hartford Road Water Pollution Control Facility serves a number of individual developments in Moorestown and in Evesham near the municipal boundaries. Due to the presence of Mount Laurel MUA sewer pipes and or hydraulic constraints at the time of development, these parcels were connected to the Mount Laurel collection system.

- Black Creek wastewater treatment plant serves both Bordentown City and Bordentown Township.
- The Medford Lakes wastewater treatment plant collects effluent from a portion of Medford Township due to proximity of the plant and its collection system to the development on the southern side of the Borough.
- The Pemberton Township wastewater treatment plant treats effluent from both the Township and from Pemberton Borough. The Borough operates its own collection system which delivers the effluent into the Township system west of the Borough.
- The Beverly wastewater treatment plant serves both Beverly City and Delanco Township.
- The Riverside Water Reclamation Authority treatment facility collects effluent from a significant portion of Delran Township near the boundary with Riverside. This is due to hydraulic constraints and proximity of the treatment plant to that area of Delran Township.
- Maple Shade Township Park Avenue plant serves a small area of Cinnaminson Township. That service area was delineated based on hydraulic capacity and the constraints to extending the Cinnaminson collection system across Route 73.

Summary of Significant Actions

The significant actions supported by this wastewater management plan involve changes to the future sewer service areas of various treatment plants. Outside the mapped future sewer service areas, development would be served by Individual Subsurface Septic Disposal Systems (ISSDS) that discharge less than 2,000 gallons per day. Systems or developments that would discharge more than 2,000 gallons per day that are not mapped as future sewer service areas would have to apply for a separate water quality management plan amendment. Below is a more detailed discussion of the significant changes to the sewer service areas.

Service Area Changes:

Amendments to the Water Quality Management Planning necessitated a modification to certain sewer service areas based on environmental sensitivity. In accordance with the regulatory requirement 36,631 acres were removed from the previously approved sewer service area. This acreage includes 2,163 acres that were previously designated as “non-discharge” in Medford Township and that are now part of the septic service area. It also includes 3,945 acres of General Service Area with discharges less than 20,000 GPD that are now in the septic service area, as well. There are 25,319 acres that were not part of the previously approved sewer service area that have been added based on local planning objectives, Pinelands Comprehensive Management Plan objectives and satisfaction of an environmental sensitivity assessment. Most of this added acreage is due to the inclusion of all Pinelands Regional Growth Management Area and Villages. The significant changes include a large number of small tracts that have been changed from one wastewater treatment facility to a different one and have a total acreage of 5,338 acres. The described acreages include sewer service area changes after 2008 and may include changes from adopted wastewater management plans, adopted Tri-County Water Quality Management Plan Amendments, and changes proposed in this wastewater management plan.

New or Expanded Wastewater Facilities:

Based on the projected development in the sewer service area of the following list of sewage treatment plants, these facilities will need to be expanded to accommodate additional wastewater flows.

- Mapleton – Mansfield Farms treatment plant
- Pemberton Township MUA STP
- Moorestown Township STP
- New treatment facilities to support Pinelands Regional Growth Management Areas and Pinelands Villages in various municipalities

During the adoption process of the County-wide Future Wastewater Service Area map in 2013, numerous revisions were identified by the public during the public comment period. Then, throughout preparation of the County-wide wastewater management plan, additional changes were requested by the municipalities. Also during the preparation, property owners and other applicants applied for site specific amendments, some of which have been adopted. **Table 3**, below, lists all the amendments, revisions, and corrections to future sewer service areas that came about as a result of review by the public, by the municipalities and utility authorities and through site specific amendments after the County-wide Future Wastewater Service Area map was adopted in April 2013.

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Table 3. List of Significant Map Changes

Item Description	Property Location	Utility1 (Prior)	Utility2 (NEW)	Municipality	block	lot1	lot2	lot	lot	lot
Schools in Tabernacle (except Seneca) all served by Kenneth R. Olson treatment plant	Carranza Road	Not Applicable	NJ0091294	Tabernacle	403	17.02				
Schools in Tabernacle (except Seneca) all served by Kenneth R. Olson treatment plant	Carranza Road	Not Applicable	NJ0091294	Tabernacle	1201	28				
Corrections to service areas at East Gate Shopping Center	Nixon Drive	NJ0025178	NJ0024996	Moorestown	3001	1				
Corrections to service areas at YMCA	Centerton Rd	NJ0025178	NJ0024996	Moorestown	6800	7				
Corrections to service areas at existing shopping center	Nixon Drive	NJ0069167	NJ0025178	Mount Laurel	1200.02	1,	2			
Correction to service area adding existing, connected municipal building & park facilities	Pinewald Lane	Not Applicable	NJ0021709	Burlington Township	144	10,	11			
Correction to service area adding existing, connected municipal building & park facilities	Old York Road	Not Applicable	NJ0021709	Burlington Township	136	5				
Moorestown Open Space facilities	Hartford Road	Not Applicable	NJ0024996	Moorestown	7200	4.01				
Riverton WWTP service area correction to change service to Cinnaminson	Woodside	NJ0021610	NJ0024007	Riverton	1900	18	thru	25		
Riverton WWTP service area correction to change service to Palmyra	Morgan	NJ0021610	NJ0024449	Riverton	201	6	thru	10		
Palmyra WWTP service area correction to change service to Riverton	Elm Street	NJ0024449	NJ0021610	Palmyra	89	1,	1.02,	2,	3,	5
Central Crossing Business Park	Axe Factory Road	Not Applicable	NJ0024678	Bordentown Township	138.12	5.02				
Central Crossing Business Park	Axe Factory Road	Not Applicable	NJ0024678	Bordentown Township	137.01	3.02				
Cramer Property	Route 206	Not Applicable	NJ0023736	Southampton	1202	6				
Redevelopment lot in Cinnaminson changed to Delran	Route 130	NJ0024007	NJ0023507	Cinnaminson	703	28				
Existing house added	1331 Hainesport- Mt Laurel Road	Not Applicable	NJ0025178	Mount Laurel	601	8.04				

Existing house added	1333 Hainesport- Mt Laurel Road	Not Applicable	NJ0025179	Mount Laurel	601	8
Existing house added	663 Walton Avenue	Not Applicable	NJ0025180	Mount Laurel	601	3.02
Existing house added	1413 Hainesport - Mt Laurel Road	Not Applicable	NJ0025181	Mount Laurel	600	11.01
Existing house added	1425 Hainesport - Mt Laurel Road	Not Applicable	NJ0025182	Mount Laurel	600	11
Existing house added	1421 Hainesport- Mt Laurel Road	Not Applicable	NJ0025183	Mount Laurel	600	11.03
Existing house added	1417 Hainesport- Mt Laurel Road	Not Applicable	NJ0025183	Mount Laurel	600	11.02
Existing house added	3 Gaskill Road	Not Applicable	NJ0025184	Mount Laurel	800	7.04
Existing house added	570 Walton Road	Not Applicable	NJ0025185	Mount Laurel	602	15
Existing house added	341 Walton Road	Not Applicable	NJ0025186	Mount Laurel	509	3
Existing house added	110 Phillips Road	Not Applicable	NJ0025187	Mount Laurel	408	3.02
Existing house added	901 Hainesport - Mt Laurel Road	Not Applicable	NJ0025188	Mount Laurel	310	3.05
Existing house added	243 Creek Road	Not Applicable	NJ0025189	Mount Laurel	214	26
Existing house added	239 Creek Road	Not Applicable	NJ0025190	Mount Laurel	214	25.01
Vacant, unconstrained lot added	229 Creek Road	Not Applicable	NJ0025191	Mount Laurel	214	1.05
Existing retail added	115 Creek Road	Not Applicable	NJ0025192	Mount Laurel	205.01	30
Vacant, unconstrained lot added	141 Creek Road	Not Applicable	NJ0025193	Mount Laurel	205.01	24, 25
Existing retail added	131 Creek Road	Not Applicable	NJ0025194	Mount Laurel	205.01	26, 27, 28
Existing house added	24 Mount Laurel Road	Not Applicable	NJ0025195	Mount Laurel	501.07	1
Existing house added	190 Crystal Avenue	Not Applicable	NJ0025193	Mount Laurel	206.06	2
Existing house added	309 Coral Avenue	Not Applicable	NJ0025194	Mount Laurel	206.05	11 thru 15
Existing house added	415 Hartford Road	Not Applicable	NJ0025186	Mount Laurel	401.03	1 3
Medford Village East Associates	2001 Briggs Road	Not Applicable	NJ0025187	Mount Laurel	510	3 1.02
Revised to include entire school building	1370 Hainesport - Mt Laurel Road	Not Applicable	NJ0025184	Mount Laurel	801	8.02
FWSA reduced to wetlands	15 Gaskill Road	NJ0025178	Not Applicable	Mount Laurel	800	8.01
FWSA reduced to wetlands	308 Hartford Road	NJ0025179	Not Applicable	Mount Laurel	602	23

Vacant, unconstrained lot added	512 Lenola Road	NJ0025180	Not Applicable	Mount Laurel	1201	9.01		
Redevelopment Area	Beaver Avenue	NJ0026182	NJ0025179	Mount Laurel	1304.04	17	thru	24
Redevelopment Area	Beaver Avenue	NJ0026182	NJ0025179	Mount Laurel	1304.05	11	thru	16
Delran Middle School correction to treatment plant	905 Chester Avenue	NJ0023607	NJ0022519	Delran	46	1		
Holy Cross High School correction to treatment plant	5035 Route 130 South	NJ0023607	NJ0022519	Delran	46	2		
Simon & Schuster correction to treatment plant	100 Front Street	NJ0023607	NJ0022519	Delran	10	4		
Correction to treatment plant existing connections on Brown Street	Brown Street	NJ0023607	NJ0022519	Delran	19	1	thru	7
Correction to treatment plant existing connections on Brown Street	Brown Street	NJ0023607	NJ0022519	Delran	23	1	thru	8
Correction to treatment plant existing connections on Brown Street	Brown Street	NJ0023607	NJ0022519	Delran	27	1	thru	4.01
Correction to treatment plant for Twin Oaks development	Toby Wells Court	NJ0023607	NJ0022519	Delran	37.01	1	thru	12
Correction to treatment plant for Twin Oaks development	Main Street	NJ0023607	NJ0022519	Delran	37.01	13	thru	21
Correction to treatment plant for Twin Oaks development	Arch Street	NJ0023607	NJ0022519	Delran	37.01	22	thru	30
Correction to treatment plant existing connections on N. Chester Avenue	Chester Avenue	NJ0023607	NJ0022519	Delran	6	7	thru	12
Correction to treatment plant existing connections on N. Chester Avenue	Chester Avenue	NJ0023607	NJ0022519	Delran	5	1	thru	16
Correction to treatment plant existing connections on N. Chester Avenue	Chester Avenue	NJ0023607	NJ0022519	Delran	4	1	thru	14
Correction to treatment plant existing connections on Roland Street	Roland Street	NJ0023607	NJ0022519	Delran	6	13		14
Correction to treatment plant existing connections on Roland Street	Roland Street	NJ0023607	NJ0022519	Delran	5	34		
Muslim Association revise treatment facility from Delanco-Beverly to Willingboro via Edgewater Park	Creek Road	NJ0027481	NJ0023361	Delanco	2000	15.02		15.04
Turnpike Authority property	Ward Avenue	ISSDS	NJ0026719	Chesterfield	106	1		
Correction where existing development is already connected to sewers	Jackson Road	NJ99999	NJ0026832	Medford	2703.14	5.01	5.03	5.04 5.05

Correction where existing development is already connected to sewers	Wrentham Drive	NJ99999	NJ0026832	Medford	4804	1.01	1.15	1.16	1.17	1.18
Correction where existing development is already connected to sewers	Westford Drive	NJ99999	NJ0026832	Medford	4804	1.04	1.99			
Correction where existing development is already connected to sewers	Boxwood Lane	NJ99999	NJ0026832	Medford	4804	3	4	6	1.05	1.06
Correction where existing development is already connected to sewers	Southwick Ct	NJ99999	NJ0026832	Medford	4804	1.11				
Correction where existing development is already connected to sewers	Jackson Road	NJ99999	NJ0026832	Medford	4805	1				
Correction where existing development is already connected to sewers	Jackson Road	NJ99999	NJ0026832	Medford	4804	5	1.07	1.10		
Clip wetlands in Preservation Area at Bellhaven Campground	Route 542	NJG0085146		Washington	46.01	3.01				
Waverly & Federal Street change to Delaware #1 WPCF	Federal Street	NJ0069167	NJ0026182	Mount Laurel	1306 1308	18 17				
Sobeleski Amendment		N/A	NJ0024031	Evesham	11.52	3				
Mansfield Farms transfer SSA				Mansfield	3	5.01	10.01			
Tri-boro Chrysler		NJ0024007	NJ0023507	Cinnaminson						
Pinelands Corrections		N/A	N/A	all						
Waterwood		N/A	NJ0025178	Mount Laurel	510	3				
Testa	North Elmwood Road	NJ0024031	NJ0024031	Evesham	15	11.03	11.04	11.05		
McDaniel Correction - existing house currently connected	Evesboro-Medford Road	N/A	NJ0024031	Evesham	11.48	30				
Bancroft Neurohealth	Leadenhall Road	N/A	NJ0026182	Mount Laurel	509	1.04				
California Village MHP Correction	Cookstown-New Egypt Road	NJ0027511	N/A	North Hanover	903	10 - 16 and 50				
Winding Brook		N/A	NJ0024031	Evesham	14	3				
Margolis Warehouse	Columbus Road	N/A	NJ0024660	Mansfield	47.01	3.02	9.01	9.02	11	12
Willingboro Lakes Park	Route 130	NJ0023361	NJ0023361	Willingboro	13	2.01				
Ruth Bell property	Hainesport-Mt Laurel Road	N/A	NJ0025178	Mount Laurel	800	7.02	And	7.05		
TOFAMO Corp	Rt 70 & Hartford Rd	N/A	NJ0026832	Medford	403	2				

Tiny Bubbles Car Wash	Cookstown-New Egypt Road	NJ0054364	NJ0054364	North Hanover	903	4	And	6
Townsend Mobile Home Park		NJ0086851	NJ0086851	North Hanover				
Trenton Diocese	Centerton Road	N/A	NJ0024015	Moorestown	8801	3.01		
Old York Road Warehouse	Old York Road	N/A	NJ0024678	Bordentown Twp	130	2		
Bordentown Senior Housing	Burlington/4 th Str	N/A	NJ0024678	Bordentown Twp	140	3.02		

This table includes amendments that have already have already been adopted since 2008 and amendments that are proposed with this wastewater management plan.

DRAFT

Planning Coordination

Pinelands Comprehensive Management Plan

The Pinelands Area is established by the Pinelands Protection Act (N.J.S.A. 13:18A-1 et seq.) and the Pinelands National Reserve was created under the National Parks and Recreation Act of 1979, 16 U.S.C. § 471i. Those statutes are implemented through the Pinelands Comprehensive Management Plan (CMP) (N.J.A.C. 7:50). The Waste Quality Management Plan rules require coordination with the Pinelands Commission to ensure that amendments, including wastewater management plans, are consistent with the intent and programs of the Pinelands Protection Act. The Pinelands Commission has also entered into a Memorandum of Agreement with the State Planning Commission that certification of a municipality's land use plan as consistent with the Pinelands CMP by the Pinelands Commission shall be considered as endorsed plans under the State Plan.

Under the Pinelands Comprehensive Management Plan, the Commission may grant Waivers of Strict Compliance to allow sewer service to be extended to management areas where such service would not otherwise be permitted. Waivers were granted to allow sewer service in a Rural Development management area in Evesham Township and Medford Township (Kings Grant) and in Southampton Township (Leisuretowne.)

Several small, privately owned systems exist in Pinelands management areas that do not otherwise permit sewers. These developments and the associated systems preceded the adoption of the Comprehensive Management Plan. These systems primarily serve existing mobile home parks and recreational facilities where the treatment facility discharges to groundwater and future development is limited by the municipal ordinances consistent with the CMP.

For facilities (including but not limited to sewer connections, sewer extensions and on-site treatment plants) which are located in the Pinelands Area, as defined at N.J.S.A. 13:18A-11, the approval of the Pinelands Commission pursuant to the requirements of the Pinelands Comprehensive management Plan (CMP) is required prior to construction. All facilities and activities included within this WMP should be consistent with the requirements of the CMP, except where Waivers of Strict Compliance were previously approved by the Pinelands Commission.

Coordination with the Pinelands Commission

This wastewater management plan was prepared with the assistance of the Pinelands Commission staff and all future sewer service areas in the Pinelands Protection Area were reviewed by the Pinelands Commission staff prior to submission to DEP. In accordance with the Water Quality Protection rules, consent of the Pinelands Commission to the adoption of this plan into the Tri-County Water Quality Management Plan will be requested at the time of notice in the New Jersey Register.

Coastal Zone Management

New Jersey's coastal zone has been established pursuant to the federal Coastal Zone Management Act of 1972 and was federally approved in 1978. The Rules on Coastal Zone Management (N.J.A.C. 7:7E) establish the substantive rules of the Department of Environmental Protection regarding the use and development of coastal resources. These rules provide the basic policy direction for planning actions undertaken by the Department of Environmental Protection in the Coastal Zone as per section 306 of the federal Coastal Zone Management Act. Planning decisions affecting New Jersey's coastal zone under the New Jersey Water Quality

Planning Act and section 208 of the federal Clean Water Act must be consistent with the New Jersey's coastal zone management program.

The Rules on Coastal Zone Management include identification of 48 Special Areas requiring special management consideration. In addition to the four environmental features previously identified Statewide, the Rules on Coastal Zone Management generally prohibit development on beaches, dunes and in coastal high hazard areas. These areas have also been excluded from sewer service under this wastewater management plan because providing centralized sewer service would encourage a development pattern inconsistent with the environmental sensitivity, recreational importance, and risk to life and property in these areas.

The Rules on Coastal Zone Management further define planning areas within the coastal zone designed to shape future development patterns along the coast. Among the five coastal planning areas the Coastal Fringe, Coastal Rural and Coastal Environmentally Sensitive Planning Areas are identified as areas to encourage growth in compact centers and to maintain low density and low intensity development outside of those centers. The extension of centralized sewer service in these planning areas is inconsistent with the growth and protection objectives of New Jersey's Coastal Zone Management program and therefore, these coastal planning areas have been excluded from sewer service areas.

Proposed developments tying into existing and proposed sewer service areas which require coastal permits must demonstrate compliance with all applicable sections of the Coastal Zone Management rules including, but not limited to, Wetlands (N.J.A.C. 7:7E-3.27), Wetlands Buffers (N.J.A.C. 7:7E-3.38), Secondary Impacts (N.J.A.C. 7:7E-6.3), Public Facility Use Policies (N.J.A.C. 7:7E-7.6), Water Quality (N.J.A.C. 7:7E-8.4), Ground Water Use (N.J.A.C. 7:7E-8.6) and the policies under General Land Areas rules, Subchapters 5, 5A and 5B.

Coordination with the Coastal Zone Management Program (where applicable)

NJDEP Water Resources Management staff reviewed the mapping for compliance with the Coastal Zone Management Program.

Delaware Valley Regional Planning Commission

The Delaware Valley Regional Planning Commission (DVRPC) hosts the Tri-County Water Quality Management Board (Tri-County Board). The Tri-County Board consists of designated representatives from the counties of Burlington, Camden and Gloucester, along with Camden City, and a municipal representative from each county. The Tri-County Board reviews amendments to the Tri-County Water Quality Management Plan and may make comment to the DEP regarding those amendments. However, it is not the designated water quality management board for the Tri-County Water Quality Management Plan under the New Jersey water quality management rules. Nonetheless, a copy of this wastewater management plan has been provided to the DVRPC.

Delaware River Basin Commission

The Delaware River Basin Commission regulates the discharge of pollutants into, and the withdrawal of water from, the Delaware River Basin; therefore, wastewater and water supply decisions affecting the Delaware River Basin must be coordinated with the Commission.

Coordination with the Delaware River Basin Commission

A copy of this plan has been provided to the Delaware River Basin Commission.

Proposed Sewer Service Areas

Map 3 shows all proposed sewer service areas for the County WMP, based on the following:

- The previously adopted Future Wastewater Service Area map;
- Existing, current WMPs, which have been incorporated into this WMP;
- The existing areas served by sewers;
- All existing, new, or expanded industrial pretreatment facilities requiring Significant Indirect User (SUI) permits and/or Treatment Works Approvals, and which are located within the specified sewer service area, are deemed to be consistent;
- Pre-existing grant conditions and requirements (from Federal and State grants or loans for sewerage facilities) which provide for restriction of sewer service to environmentally sensitive areas, are unaffected by adoption of this WMP and compliance is required. Please see municipal WMP Chapters for the existence of any applicable environmentally sensitive areas in which Federal 201 grant limitations prohibit the extension of sewer service;
- All areas not mapped as sewer service areas are designated as “Septic Area (Planning Flows of 2,000 gpd or less)”.

Existing Areas Served by Wastewater Facilities

Map 3 also shows the areas actively served by wastewater facilities. The tables in Section provide detailed information on each facility. The term, “actively served”, means that the collection lines exist and that the property either is connected or has all regulatory approvals necessary to be connected. The term, “eligible for sewer service”, means the areas mapped for future sewer service with no designated treatment facility, meet the criteria for designation as sewer service in accordance with the Water Quality Management Planning rules. These areas primarily exist in the Pinelands region of Burlington County.

In order to accurately map actively served regions, mapping of sanitary sewer gravity mains and force mains was secured and translated to GIS format where necessary. Existing development near to the existing collection systems were included as “actively served”, or in other words, having existing connection to the wastewater treatment plant. The mapping created this way was distributed to the municipalities and utilities for review and correction.

Sewer service areas may include industrial businesses that discharge process and/or sanitary wastewater to the collection system for treatment by a facility not owned by that business. Industrial businesses that have a separate discharge and do not connect to the public sanitary system at all are mapped as separate mapping units, as is the case with the Burlington Generating Station. Other industrial businesses may have a discharge permit for process water, but sanitary wastewater is discharged to the public collection system. In those cases, the site is included in the sewer service area for the domestic treatment works plant and an icon marking the location for the industrial discharge is placed on the map.

III. Existing and Future Wastewater Treatment Facilities

This chapter contains facility tables for all domestic and industrial wastewater treatment facilities in Burlington County. The facility tables are grouped later in this chapter according to the type of service provided. The groupings are: multiple municipality plants, single municipality plants, onsite plants, industrial plants, T-1 plants and unassigned sewer service areas.

A capacity analysis was completed for all public domestic wastewater treatment works facilities. The results are reported in facility tables later in this chapter. The facility tables provide an estimate of the current flow at the facility. Current flow represents the highest 12-month average flow for the preceding five-year period after removing any reported monthly average that is more than two standard deviations off the curve. In rare situations where some extenuating circumstances limited the validity of data for the entire five year period, a shorter time frame was used to estimate current flow. Where less than five years of data were used, that is noted at the bottom of the associated facility table.

Existing Public Wastewater Treatment Works

Table 4 lists the major domestic wastewater treatment facilities, the municipality or municipalities they serve, and the existence of any Federal 201 grant limitations (treatment facility or collections system) which prohibit the extension of sewer service to environmentally sensitive areas.

Table 4. Wastewater Districts, Franchise Areas and Municipalities Served		
Wastewater Utility	Municipalities Served	Federal 201 Grant Limitation
Albert C. Wagner STP	Chesterfield Township	
Beverly SA	Beverly City and Delanco Township	
Bordentown Sewerage Authority	Bordentown City, Bordentown Township	X
Burlington City	Burlington City, Burlington Township	
Central Avenue Wastewater Treatment Plant (Burlington Township)	Burlington Township, Springfield Township	
Camden County Municipal Utilities Authority	Portions of Mount Laurel Township and Evesham Township	
Cinnaminson Township Sewerage Authority	Cinnaminson	
Delran Sewerage Authority	Delran Township, Moorestown Township	
Edgewater Park Sewerage Authority (collection system only)	Edgewater Park Township, portion of Delanco Township	

Evesham Township MUA	Evesham Township, portions of Mount Laurel Township, portions of Medford Township	
Florence Township (Water and Sewer Department)	Florence Township, portion of Burlington Township	
Maple Shade Township	Maple Shade Township and a portion of Cinnaminson	
Medford Lakes Sewerage Authority	Medford Lakes Borough and a portion of Medford Township	
Medford Township Municipal Utility Authority	Medford Township	
Moorestown Township	Moorestown	
Mount Holly MUA	Mount Holly, Eastampton, a portion of Westampton, Hainesport, Lumberton, a portion of Moorestown	
Mount Laurel MUA	Mount Laurel, Evesham	X
Palmyra Sewerage Authority	Palmyra Township and a portion of Riverton Borough	
Pemberton Township Municipal Utilities Authority	Pemberton Township and Pemberton Borough	
Pinelands Wastewater Company	Southampton Township	
Riverside Township Sewerage Authority	Riverside Township and a portion of Delran Township	
USDOD Joint Base – McGuire, Dix, Lakehurst	Military installation in each of the following: New Hanover, Pemberton, North Hanover Townships	
Willingboro MUA	Willingboro Township, Edgewater Park Township, a portion of Delanco Township and a portion of Westampton Township	
Wrightstown MUA	Wrightstown and a portion of Springfield Township	

Existing On-site, Non-industrial Wastewater Facilities

These facilities serve single developments, sites or other properties under single ownership, but do not treat industrial flows. These facilities typically provide wastewater treatment for apartment complexes, commercial properties and businesses where regional sewerage is not available. Facility tables can be found in Section VII for all existing on-site, non-industrial treatment facilities that discharge to surface

water or that discharge more than 2,000 gallons per day to ground water of domestic wastewater and are regulated under a NJPDES permit.

Brief descriptions of the permitted onsite, non-industrial facilities are given below and grouped by municipality. Municipalities that have none of these facilities are not included.

Bass River Township

- Pilgrim Lake Campground – NJPDES Permit No: NJG0085260 (Table 87 in section IV)
This is a campground with a T-1 type wastewater permit and it discharges to the Kirkwood Cohansey Aquifer. The site is located in the Pinelands Preservation Area. The permitted flow is a maximum of 0.0169 MGD. The system serves a single family dwelling, 144 campsites, and two bath houses.
- Timberline Lake Camping Resort – NJPDES Permit No: NJG0086886 (Table 94 in section IV)
This site is a campground with a T-1 typed wastewater permit and it discharges to the Kirkwood Cohansey aquifer. The site is located in the Pinelands Preservation area. The permitted flow is a maximum of 0.0173 MGD. The system serves approximately 153 camp sites, two bath houses, a laundry room, and an RV pumping station. There is also a single family dwelling on the site.
- Chips Folly Outdoor Association – NJPDES Permit No: NJG014394 (Table 67 in section IV)
This site is a campground with a T-1 type wastewater permit and it discharges to the Kirkwood Cohansey aquifer. The site is located in the Pinelands Preservation Area. The permitted flow is a maximum of 0.0241 MGD. The system serves approximately 211 campsites and four bath houses.
- Offshore Manor – NJPDES Permit No: NJ0054372 (Table 45 in section III)
This is a residential development including 108 single family dwellings and located outside the Pinelands Protection Area in the Coastal Fringe. The discharge is regulated as a DGW type permit and the discharge is to the Cape May Formation aquifer. The development uses individual private wells for water supply.
- Buttonwood Mobile Home Park – NJPDES Permit No: NJG0157015 (Table 63 in section IV)
This site includes a mobile home park with 33 lots, a single family dwelling, a number of campsites and a bath house, along with a small retail store. It is a T-1 type wastewater permit and discharges to the Kirkwood Cohansey aquifer. The maximum permitted discharge is 0.00792 MGD. The site is located in the Pinelands Preservation Area.
- Atlantic City North Campground – NJPDES Permit No: NJG0154628 (Table 59 in section IV)
This site is a campground with a T-1 type wastewater permit with a maximum discharge of 0.0191 MGD. It serves approximately 191 camp sites and discharges to the Kirkwood Cohansey aquifer. The site is located in a Pinelands Forest Management Area.
- Bass River State Forest – NJPDES Permit No: NJG0085201 (Table 60 in section IV)
This wastewater facility serves the campground area of a New Jersey State Forest in the Pinelands Preservation Area. It has a T-1 type of permit and the discharge is to the Kirkwood Cohansey aquifer. The system serves approximately 178 campsites and 1 bath house.

Chesterfield Township

- Olde York Country Club – NJPDES Permit No.: NJ0105392 (Table 46 in section III)
This wastewater facility serves the clubhouse, offices, maintenance building, and pool at a golf course. The permit allows discharge to groundwater at a maximum of 0.0105 MGD. Discharge is to the Woodbury formation.

Eastampton Township

- Fenimore Community – NJPDES Permit No.: NJG0089430 (Table 74 in section IV)
This T-1 permit is for a 56-unit mobile home community. It discharges to the Navesink formation. In the Mount Holly Municipal Utilities Authority (MHMUA) adopted wastewater management plan, this community will be connected to the MHMUA collection system when sewers are extended to this area.
- Fenimore Woods – NJPDES Permit No.: NJG0084573 (Table 75 in section IV)
This T-1 permit is for a 36-unit mobile home community, plus two single family dwellings. It discharges to the Navesink formation. In the MHMUA adopted wastewater management plan, this community will be connected to the MHMUA collection system when sewers are extended to this area.

Florence Township

- Assembly of God – NJPDES Permit No.: NJ0141640 (Table 33 in section III)
This site is an assembly hall (church) with appurtenant uses including a dining hall, classrooms, and an associated single family dwelling. This discharge to groundwater has a maximum permitted flow of 0.0132 MGD and discharges to the Merchantville formation.

Lumberton Township

- Ark Road Educational Campus (Burlington County Special Services School District) – NJPDES Permit No.: NJG0109215 (Table 58 in section IV)
This school site serves approximately 400 students and staff, and includes a pool with a T-1 permitted wastewater system. The site straddles the municipal boundary of Medford Township and Lumberton Township. For planning purposes, this site has a maximum discharge of 0.01 MGD. It discharges to the Navesink formation.
- Cave Holdings – Flying W Airport – NJPDES Permit No.: NJG0131431 (Table 64 in section IV)
This is a T-1 permitted wastewater discharge. The site straddles the municipal boundary of Medford Township and Lumberton Township. The site includes offices for a small airport, a restaurant, a bathhouse, one outdoor pool, and a hotel. The estimated maximum discharge is 0.0052 MGD. The facility discharges to the Hornerstown formation.

Mansfield Township

- National Auto Dealers Exchange – NJPDES Permit No.: NJ0105031 (Table 42 in section III)
This is a commercial site with a permit to discharge to groundwater at a maximum of 0.008142 MGD. The facility discharges to the Englishtown formation. The mapped sewer service area for this facility is part of the adopted wastewater management plan for Mansfield Township.
- Imperial Inn – NJPDES Permit No.: NJG0169421 (Table 78 in section IV)
This site is a 40 room motel with 2 associated apartments served by a T-1 permitted wastewater system. The maximum discharge is estimated to be 0.0059 MGD. The system discharges effluent to the Woodbury formation.
- Liberty Lakes Day Camp – NJPDES Permit No.: NJG0174769 (Table 81 in section IV)

This site is a children's day camp with a maximum occupancy of 800 campers. It is a T-1 permitted facility that discharges to the Merchantville Woodbury confining unit. For planning purposes, the estimated maximum daily discharge is 0.008 MGD.

- Riverfront Motel – NJPDES Permit No.: NJG0130630 (Table 91 in section IV)

This site is a 28 room motel with an associated 2-bedroom apartment. It has a T-1 type of wastewater permit. For planning purposes, the estimated daily maximum discharge is 0.00399 MGD. Effluent discharges to the Merchantville Woodbury confining unit.

Medford Township

- JCC Camp – NJPDES Permit No.: NJG0088331 (Table 80 in section IV)

This site is a day camp serving approximately 300 campers. This facility has a T-1 type of wastewater permit and discharges to the Kirkwood Cohansey aquifer system. The camp includes offices, pools, and a classroom/assembly building.

New Hanover Township

- Cookstown Quality Inn - NJPDES Permit No.: NJ0065528 (Table 35 in section III)

This treatment plant serves a 100 room hotel, a 40 seat restaurant and a 300 square foot office. It has a maximum discharge of 0.00893 MGD discharging to the Kirkwood aquifer.

- Andrews Federal Credit Union – NJPDES Permit No.: NJG0210498 (Table 57 in section IV)

This site is a commercial business of approximately 29,400 square feet with a T-1 type of wastewater permit. Effluent discharges to the Kirkwood formation.

- Victory Car Wash – NJPDES Permit No.: NJG0220418 (Table 96 in section IV)

This site is a car wash with a single bay. It has a T-1 wastewater permit and discharges effluent to the Kirkwood Cohansey aquifer system.

North Hanover Township

- Church of the Assumption – NJPDES Permit No.: NJ0168556 (Table 34 in section III)

This site is a church with classrooms and an associated dwelling unit and has a permit to discharge to groundwater. The effluent is discharged to the Vincentown formation. The design maximum daily discharge is 0.00452 MGD.

- North Hanover Upper Middle School – NJPDES Permit No.: NJ0146587 (Table 44 in section III)

This treatment plant with a permit to discharge to groundwater serves two schools, the Upper Elementary and the Charles B. Lamb. It is designed for a maximum daily flow of 0.0159 MGD. Backwash water from pre-treatment of water supply is discharged separately to a seepage pit. The wastewater system discharges to the Cohansey formation.

- Spartan Village Mobile Home Park – NJPDES Permit No.: NJ0163945 (Table 49 in section III)

This site is a 221 unit mobile home park with a permit to discharge to groundwater. Treated effluent is discharge to the Kirkwood formation at a daily maximum of 0.038 MGD.

- Tiny Bubbles Car Wash – NJPDES Permit No.: NJ0054364 (Table 51 in section III)

This site is a five bay carwash that uses biodegradable soaps, wetting agents and liquid wax. The system discharges wash water and sanitary wastewater to groundwater up to a maximum of 0.0011 MGD. The effluent is discharged to the Vincentown formation.

- California Village Mobile Home Park – NJPDES Permit No.: NJ0027511 (Table 54 in section III)
This system serves a 129 unit mobile home park with a permit to discharge to surface water. Permitted flow is 0.32 MGD. The effluent is discharged to an unnamed tributary of the Crosswicks Creek.
- Cedar Grove Apartments – NJPDES Permit No.: NJG0085022 (Table 65 in section IV)
This apartment complex includes 40 one-bedroom and 8 two-bedroom apartments. It holds a T-1 wastewater permit with a maximum daily discharge of 0.0108 MGD. Effluent is discharged to the Vincentown formation.
- Family Park – NJPDES Permit No.: NJG0169722 (Table 72 in section IV)
This site is a small mobile home park including 19 units with a T-1 wastewater permit. It discharges to the Vincentown formation. The maximum daily flow is permitted at 0.007 MGD. An existing single family dwelling onsite is connected to a separate septic system.
- Maplewood Apartments – NJPDES Permit No.: NJG0087360 (Table 82 in section IV)
This apartment complex includes five apartment buildings and one single family dwelling. The T-1 permit for the site indicates that four one-bedroom and four two-bedroom apartments are connected to the disposal system. It has a permitted maximum flow of 0.0028 MGD and discharges to the Vincentown formation.
- Maplewood Apartments II – NJPDES Permit No.: NJG0066249 (Table 83 in section IV)
The site is an apartment complex with 56 one-bedroom apartments and 32 three-bedroom apartments. It has a permitted discharge of 0.0183 MGD on a T-1 type of wastewater permit. Effluent is discharged to the Kirkwood Cohansey formation.
- South's Mobile Home Park – NJPDES Permit No.: NJG0085081 (Table 92 in section IV)
This mobile home park includes 52 units discharging to a T-1 permitted disposal system. Effluent is discharged to the Vincentown Formation at a maximum daily discharge of 0.0052 MGD.
- Townsend Mobile Home Park – NJPDES Permit No.: NJG0086851 (Table 95 in section IV)
This site is a small mobile home park with nine units discharging to a T-1 permitted disposal system. Effluent is discharged to the Cohansey formation at a maximum daily discharge of 0.0025 MGD.
- Wagon Wheel Estates – NJPDES Permit No.: NJG0105384 (Table 99 in section IV)
This site is a 41-unit mobile home park with an additional two separate singly family dwellings. It has a T-1 type of wastewater permit discharging a maximum of 0.0041 MGD daily to the lower Kirkwood formation.

Pemberton Township

- Country House Restaurant – NJPDES Permit No.: NJG0128554 (Table 71 in section IV)

This site is a 225 seat restaurant with a T-1 type of wastewater permit. It discharges gray water and kitchen waste to one system and sanitary waste to a separate system. The sanitary system is the one referenced by the permit. The discharge is to the Vincentown formation.

- Whitesbog Village – NJPDES Permit No.: NJG0133132 (Table 100 in section IV)

This historic site is located within Brendan Byrne State Forest and includes ten historic workers houses operated by the State of New Jersey. The site holds a T-1 wastewater permit with a maximum daily discharge of 0.0052 MGD to the Cohansey formation.

Shamong Township

- Shamong Township Upper Elementary School – NJPDES Permit No.: NJ0076538 (Table 48 in section III)

This site is a middle school housing grades 5 through 8 with a student and staff population of approximately 1025. A permit to discharge to groundwater allows a maximum daily discharge of 0.00625 MGD. Effluent is discharged to the Cohansey formation while sludge is transferred offsite to a different permitted facility.

- Costello Prep – NJPDES Permit No.: NJG0082686 (Table 70 in section IV)

This site is a residential educational facility operated by the State of New Jersey. The facility includes a main building and several mobile classroom/office trailers. It is served by a T-1 permitted onsite disposal system that has a permitted discharge of 0.025 MGD. Discharge is to the Cohansey Formation. The facility is located in the Pinelands Preservation Area.

- Fawn Lake Village – NJPDES Permit No.: NJG0084786 (Table 73 in section IV)

This mobile home park includes 144 units and is served by a T-1 permitted onsite disposal system. The maximum daily discharge is 0.0144 MGD. Discharge is to the Cohansey Formation. The site is located in the Pinelands Preservation Area.

- Indian Mills School – NJPDES Permit No.: NJG0072168 (Table 79 in section IV)

The elementary school accommodates approximately 666 students and staff and is served by a T-1 permitted wastewater system. The system discharges to the Cohansey Formation with a maximum daily discharge of 0.01665 MGD. It is located in the Pinelands Village of Indian Mills.

- Oakview Leisure Village – NJPDES Permit No.: NJG0082872 (Table 85 in section IV)

This site is a 100 unit mobile home park with a T-1 permitted wastewater system. The maximum daily discharge is 0.035 MGD. Effluent is discharged to the Cohansey Formation. The site is located in the Pinelands Rural Development Management Area.

Southampton Township

- Wawa (at Routes 38 and 206) – NJPDES Permit No.: NJ0169030 (Table 53 in section III)

This site is a retail store and gas station that holds a permit to discharge to ground water from an Amphidrome treatment plant. However in 2015, the treated effluent was being hauled offsite rather than discharged to groundwater. Under compliance review, the effluent was not meeting permit requirements and hauling would continue until a new treatment system is online or until the system meets the effluent standards. The maximum permitted daily discharge is 0.002743 MGD with effluent discharged to the Vincentown Formation.

- Anapay Café – NJPDES Permit No.: NJG0138223 (Table 56 in section IV)

This site is a 90-seat restaurant with a T-1 wastewater permit. The maximum discharge is 0.00315 MGD. The system discharges to the Kirkwood formation. It is located in the Pinelands Rural Development Management Area.

- Red Lion Diner - NJPDES Permit No.: NJG0078891 (Table 89 in section IV)

This site is a restaurant holding approximately 240 seats and has a T-1 permitted wastewater discharge. The maximum daily discharge is 0.006 MGD. Effluent is discharged to the Kirkwood Formation. The restaurant is located in the Pinelands Rural Development Management Area.

- Richards Mobile Home Park – NJPDES Permit No.: NJG0155756 (Table 90 in section IV)

This site is a mobile home park including 30 dwelling units with a T-1 wastewater permit. Estimated daily discharge is based on a population of 65 for a maximum daily discharge of 0.014 MGD. Effluent is discharged to the Vincentown formation. The mobile home park is located in a Pinelands Agricultural Production Management Area.

- Vincentown Diner – NJPDES Permit No.: NJG0112623 (Table 97 in section IV)

This restaurant includes approximately 220 seats and is served by a T-1 permitted wastewater discharge. The estimated maximum daily discharge is 0.008 MGD. Effluent is discharged to the Vincentown Formation.

Springfield Township

- Columbus Farmers Market – NJPDES Permit No.: NJG0075493 (Table 69 in section IV)

This site has a T-1 permitted discharge with a maximum daily flow of 0.0093 MGD. It serves approximately 13,275 square feet of commercial space. The system discharges to the Englishtown formation.

- Garden State Diner – NJPDES Permit No.: NJG0137421 (Table 76 in section IV)

This site is a restaurant with approximately 217 seats. It has a T-1 permitted wastewater discharge with a maximum daily flow of 0.0035 MGD. Effluent is discharged to the Cohansey formation.

- Hilltop Motel – NJPDES Permit No.: NJG0174653 (Table 77 in section IV)

This site is a motel with 11 rooms. It may also include a single family dwelling that is co-located on the site. It has a T-1 permitted system and discharges to the Kirkwood Cohansey aquifer system. The estimated maximum daily discharge is less than 2000 gallons per day.

- Pandora Diner – NJPDES Permit No.: NJG0102415 (Table 86 in section IV)

This site is a restaurant with approximately 200 seats. It is served by a T-1 permitted wastewater system that discharges a maximum daily flow of 0.0025 MGD. The system discharges to the Mount Laurel Wenonah formation.

- Springfield Golf Center – NJPDES Permit No.: NJG0141674 (Table 93 in section IV)

This site is a nine-hole golf course with approximately 27,700 square feet of office/retail and storage space in two buildings. It has a T-1 permitted wastewater disposal system with a maximum daily discharge of 0.0035 MGD. The effluent is discharged to the Englishtown aquifer.

Tabernacle Township

- Kenneth R. Olsen Middle School – NJPDES Permit No.: NJ0091294 (Table 39 in section III)

This facility includes a number of different lots in the Pinelands Village of Tabernacle and serves three schools, an emergency squad building, and a vehicle storage building. It holds a permit for onsite discharge to groundwater with a permitted maximum daily discharge of 0.028 MGD. Effluent is discharged to the Cohansey formation.

- Seneca High School (Lenape Regional High School District) – NJPDES Permit No.: NJ0136239 (Table 47 in section III)

This facility serves a regional high school with a estimated population of 2000 including students and staff. The facility has a permit to discharge to groundwater onsite. The maximum daily discharge is set at 0.030 MGD with effluent discharged to the Cohansey formation. The site is located in a Pinelands Regional Growth Management area.

- Allenwood Estates – NJPDES Permit No.: NJG0084859 (Table 55 in section IV)

This site is a 105-unit mobile home park with a T-1 wastewater permit. Maximum permitted daily discharge is 0.0133 MGD. Effluent is discharged to the Cohansey formation. The mobile home park is located in a Pinelands Regional Growth Management area.

Washington Township

- Belhaven Lake RV Resort – NJPDES Permit No.: NJG0085146 (Table 61 in section IV)

This large campground has a T-1 wastewater permit. The site includes 300 campsites, 5 bathhouses and a single family dwelling. The system discharges to the Cohansey aquifer with a maximum daily discharge of 0.0357 MGD. The campground is located partially in the Pinelands village of Green Bank and partially in the Pinelands Preservation Area.

- Pinelands Residential Center – NJPDES Permit No.: NJG0132608 (Table 88 in section IV)

This facility is a group treatment home located in the Pinelands Preservation Area. It has a T-1 wastewater permit with a maximum daily discharge of 0.0039 MGD. The system discharges to the Cohansey aquifer.

- Wading Pines Campground – NJPDES Permit No.: NJG0085715 (Table 98 in section IV)

This is a T-1 permitted facility serving a campground with 270 campsites, three bath houses, a camp store and two RV pump-out stations. The permitted flow is a maximum of 0.002 MGD discharging to the Cohansey aquifer. The campground is located in the Pinelands Preservation Area.

Willingboro Township

- Circle Apartments – Sports Paradise – NJPDES Permit No.: NJG0166707 (Table 68 in section IV)

This apartment complex holds a T-1 wastewater permit for a system that serves 8 one-bedroom and 2 two-bedroom apartments. It is located in the designated sewer service area of the Willingboro Township Municipal Utilities Authority; however, it appears no physical sewer line has been extended to the site. The site has a permitted discharge of 0.0035 MGD. Effluent is discharged to the Magothy formation.

Woodland Township

- New Lisbon Developmental Center – NJPDES Permit No.: NJ0070955 (Table 43 in section III)

This site is a residential treatment center for developmentally disabled persons. There are 860 residents and 1240 staff. Effluent is discharged to groundwater from surface impoundments and a spray irrigation system. A maximum of 0.2 MGD is discharged to the Cohansey formation.

- Brendan Byrne State Forest – NJPDES Permit No.: NJG0133141 (Table 62 in section IV)

This site holds a T-1 wastewater permit for a system that serves a public campground with 91 campsites, 3 cabins and 1,000 square feet of office. It has a maximum daily discharge of 0.002 MGD. Effluent is discharged to the Cohansey aquifer. The site is located in a Pinelands Preservation Area.

- Chatsworth Elementary School – NJPDES Permit No.: NJG0170674 (Table 66 in section IV)

This school is located in the Pinelands Village of Chatsworth. The site has a T-1 permit with a maximum discharge of 0.225 MGD. The system serves a population of approximately 177 students and staff. It discharges to the Cohansey formation.

Existing Industrial Treatment Works for Process Wastes and Sanitary Sewage

Some industrial land uses have independent wastewater treatment facilities that treat and discharge manufacturing process waste and/or sanitary sewage that may be discharged to ground water or to surface water. Facility tables for all existing industrial treatment works that discharge to surface water or that discharge more than 2,000 gallons per day to ground water of process or sanitary wastewater and are regulated under a NJPDES permit can be found below in Section VII.

Bass River Township

- Viking Yacht – NJPDES Permit No: NJ0106780 (Table 106 in section V)

This plant processes wastewater effluent for a boat manufacturing and repair industrial use and a marina. It has a permitted maximum flow of 0.025 MGD. A portion of the effluent is recycled for non-potable use (toilet flushing) before being discharged to infiltration lagoons that have a total capacity of 0.050 MGD. The basins also treat a portion of the stormwater discharging from the site. The basins discharge to the Cape May Formation.

Burlington Township

- Burlington Generating Station - NJPDES Permit No: NJ005002 (Table 102 in section V)

This treatment plant processes cooling water for a gas and oil power generating station. It has a permitted flow of 0.1 MGD and discharges to Zone 2 of the Delaware River.

Cinnaminson Township

- Hoeganes – NJPDES Permits No: NJ0105252 and NJ0004375 (Table 105 in section V)

This treatment plant processes effluent for a manufacturing use developing metal powders to supply other industries. The manufacturing portion of this business is not currently operating; however, the office and a research facility continue to operate on the site. The onsite plant does not treat sanitary wastes. Sanitary waste discharges to the Cinnaminson Township collection system. The plant has a permit to discharge to surface water at 0.03 MGD and a permit to discharge to ground water to several impoundments on the site.

Florence Township/Mansfield Township

- Burlington County Resource Recovery Complex – NJPDES Permit No.: NJ0055395 (Table 101 in section V)

This treatment plant is intended to process leachate from the landfill onsite. However, the plant is not currently operating and leachate is hauled offsite to other treatment plants. The plant has a permitted flow of 0.07 MGD and would discharge to the Assiscunk Creek if it were put into operation.

Mansfield Township

- Mount Holly Water Company – NJDPES Permit No.: NJ0109291 & NJ0109266 (Table 41 in section V)

This treatment plant serves to remove iron and manganese from four wells pumped to a public water supply system. The plant is permitted to discharge filter backwash water and untreated groundwater to unlined basins as a discharge to groundwater with typical maximum discharge of 0.008 MGD. Treated, “finished”, water, is permitted to be discharged to a surface water point at a long term average flow of 0.019 MGD.

Southampton Township

- Genie House (Table 104 in section V)

This is a T1 permit associated with a manufacturing facility that uses cleaning, finishing and antiquing solutions, including acids, alkaline solutions, phosphates and metal oxides. It discharges to the Kirkwood Cohansey aquifer. Sanitary wastes are discharged to groundwater separately.

Woodland Township

- Chatsworth Receiving Station (Table 103 in section V)

This is an agricultural processing station that generates wastewater from the fruit washing operation and a quantity of sanitary wastewater. Wastewater is discharged to the Kirkwood Cohansey aquifer via a spray irrigation system.

Unassigned Wastewater Service Areas Eligible for Sewer Service (Treatment Facility Not Designated)

Pinelands Area

Several municipalities contain Sewer Service Areas that are in Pinelands Regional Growth Management Areas or in Pinelands Villages where a treatment plant has not been identified to serve the Sewer Service Area. For each sewer service area in the Pinelands Protection Area where there is no currently proposed treatment facility, the capacity analyses contain tabulations of the necessary capacity to address the total build-out. Facility tables showing the results of those capacity needs were created for each municipality where such sewer service areas exist. For example, in Bass River, the facility table and the Future Wastewater Service Area map are labeled “New Gretna Village”, in Woodland Township, the area and table are labeled “Chatsworth Village”. On the other hand, the proposed sewer service area in Shamong Township is labeled “Shamong Township Regional Growth and Pinelands Village Areas”. In some municipalities, as in Shamong Township, these sewer service areas may be geographically separated by some distance. However, for ease of understanding the total capacity needs in each municipality, they have been merged into one mapping unit and one facility table per municipality. The facility tables for these proposed sewer service areas can be found below (Tables 107 – 115.)

Septic Service Areas and Other Small Treatment Works Not Discharging to Surface Waters

Remaining areas of the County, not otherwise identified as sewer service areas for treatment facilities requiring a NJPDES permit or areas that are eligible for sewer service, are included within a septic service area for septic systems and other small treatment works that treat 2,000 gallons per day or less of wastewater and discharge to ground water. These areas will be subject to a septic management program that will ensure these facilities are functioning properly. Details of the septic management plan are included in Chapter VI.

Facility Tables

Section I. Facility Tables for Domestic Treatment Works Serving Multiple Municipalities

Section II. Facility Tables for Domestic Treatment Works Serving One municipality

Section III. Facility Tables for Onsite Domestic Wastewater Facilities

Section IV. Facility Tables for T-1 Wastewater Treatment Systems

Section V. Facility Tables for Industrial Wastewater Treatment Plants

Section VI. Facility Tables for Unassigned Sewer Service Areas

Section I. Facility Tables for Domestic Treatment Works Serving Multiple Municipalities

The following tables (5 - 25) provide capacity analyses for public domestic wastewater treatment facilities that provide wastewater treatment to sewer service areas in two or more municipalities.

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**Table 5
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Beverly Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0027481	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2 - NT	
6. Owner of facility:	Beverly City Sewage Authority	
7. Operator of facility:	Beverly City Sewage Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Beverly City, Burlington County	
b. Street address	Penn & Magnolia Streets, Beverly, NJ 08010	
c. Block(s) and Lot(s)	Block 518, Lot 1	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 55' 31.3" b. Latitude 40° 04' 06.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Beverly City	2,577	3,109
Municipality: Delanco Township	4,283	5,129
Total	6,860	8,238
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Beverly City		
Residential flow	0.143	0.145
Commercial flow	0.012	0.013
Industrial flow	0	0
Infiltration /Inflow	0.005	0.005
<u>Municipality:</u> Delanco Township		
Residential flow	0.278	0.327
Commercial flow	0.015	0.015

Industrial flow	0	0.082
Infiltration /Inflow	0.027	0.027
Facility Total	0.48 MGD	0.615 MGD

NOTES: Flow allocations were provided by Environmental Resolutions. Allocations were applied to the highest 12 month average flow over the period 2011 - 2016.

The Beverly Sewerage Authority commissioned a study that included an I&I component in 2007 that looked at flow data from 2001-2006. At the time, it was found that the Beverly Systems may have a baseline amount of exfiltration with inflow during wet weather conditions which made it difficult to determine an actual value. Exfiltration could be attributed to an aging gravity system that is above the groundwater line with leaking pipe joints a 3' intervals and older brick manholes. However, the system does not have any easily identifiable locations to monitor for exfiltration as there are no pumping stations, interceptor lines, or defined collection areas. Inflow was predominately attributed to manholde covers with open pick holes coupled with roadway flooding. The Authority has performed TV investigations to find broken pipes when necessary. The Authority has also recently purchased and installed manhole inserts to reduce inflow. Based on the similar structural condition as Delanco's system, similar trending of pre"manhole insert" inflow, and proportionality of the two systems, it is possible that there is up to 10,000 gpd of exfiltration with minor instances of inflow. Based on these assumptions, total I&I could range from +5,000 gpd to -5,000 gpd. **(2)** The Beverly Sewerage Authority uses water consumption based flow information for billing purposes. Based on recent billing records, the Authority has calculated the breakdown of sewer usage.

The Delanco Sewerage Authority commissioned a study that included an I&I component in 2007 that looked at flow data from 2001 - 2006. At the time, it was found that the Delanco System had upwards of 54,000 gallons per day of I&I. Infiltration was attributed to an aging gravity system that is below the groundwater line with leaking pipe joints at 3' intervals and older brick manholes. Inflow was predominantly attributed to manhole covers with large pick holes coupled with roadway flooding. Since then, the Authority has been performing projects to reduce I&I in the system, including performing manhole lining, joint/crack repairs and by purchasing manhole inserts for all of their system's manholes. Therefore, it is estimated that the I&I is 27,000 gpd, or half of what it was in 2007. Delanco Sewerage Authority uses water consumption based flow information for billing purposes. Based on recent billing records, the Authority has provided actual consumption rates that were then used to determine a percentage breakdown of sewer usage.

Table 6		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Blacks Creek WWTP	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024678	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Blacks Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Bordentown Sewerage Authority	
7. Operator of facility:	Bordentown Sewerage Authority	
8. Co-Permitee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Bordentown Township, Burlington County	
b. Street address	954 Farnsworth Avenue	
c. Block(s) and Lot(s)	Block 128.01, Lot 19	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 42' 33.0" b. Latitude 40° 08' 02.9" or	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	3.0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Bordentown Township	11,367	12,190
Municipality: Bordentown City	3,924	3,961
Total	15,291	16,151
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	(MGD)	(MGD)
Municipality: Bordentown SSA		
Residential flow	1.023	1.108
Commercial flow	0.494	0.990
Industrial flow	0.087	0.087
Infiltration /Inflow	0.466	0.466
Facility Total	2.069 MGD	2.651 MGD
Current flow based on highest 12-month average between 2011 and 2016.		

Table 7		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Burlington City Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024660	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2 via unnamed tributary	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	City of Burlington	
7. Operator of facility:	City of Burlington	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:	900 W. Broad Street	
a. Municipality & County	Burlington City, Burlington County	
b. Street address	525 High Street	
c. Block(s) and Lot(s)	Block 22, Lot 2	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 52' 20.4" b. Latitude 40° 04' 46.2"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.7 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Burlington City	9,920	10,205
Municipality: Burlington Township	795	795
Total	10,715	11,000
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	(MGD)	(MGD)
<u>Municipality:</u> Burlington City		
Residential flow	0.711	0.779
Commercial flow	0.164	0.189
Industrial flow	0.036	0.036
Infiltration /Inflow	0.258	0.258
<u>Municipality:</u> Burlington Township		
Residential flow	0.419	0.419
Commercial flow	0.087	0.087
Industrial flow	0.008	0.008

Infiltration /Inflow	0.086	0.086
Facility Total	1.769 MGD	1.874 MGD

NOTES: The Township decreased the volume of effluent directly discharged to the City Plant from 650,000 gpd down to 600,000 gpd as of January 1, 2013. In addition, the City undertook collection system maintenance ending in 2013 that further reduced flows on a permanent basis. Therefore, in evaluating average flow and the highest monthly average, only the data from years 2013 through 2016 should be used. There are no plans for redeveloped or expanded industries. I & I is the difference between the average flow over the period and the average low flow.

Burlington Township future flow is subject of an agreement between the City and the Township that limits the flow to 600,000 gpd.

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**Table 8
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Central Avenue Wastewater Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0021709	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Burlington Township	
7. Operator of facility:	Burlington Township	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Burlington Township, Burlington County	
b. Street address	27 Central Avenue	
c. Block(s) and Lot(s)	Block 306, lots 11 - 18	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 40° 04' 46.2" b. Latitude 74° 52' 20.4"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	3.65 MGD	
12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Burlington Township	22,594	24,645
Municipality: Springfield Township	0	0
Total	22,594	24,645
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	(MGD)	(MGD)
<u>Municipality: Burlington Township</u>		
Residential flow	1.728	1.902
Commercial flow	0.361	0.700
Industrial flow	0.033	0.128
Infiltration /Inflow	0.2	0.2
<u>Municipality: Springfield Township</u>		
Residential flow	0	0
Commercial flow	0	0

Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	2.322 MGD	2.903 MGD

NOTES: 1. The Central Avenue Plant is connected to NJDOT rest area in Springfield Township. However, the rest area has been closed and there are no plans to re-open it. 2. Current flows are based on 5 years of flow data (2011-2016). 3. Central Avenue WWTF only treats sanitary wastewater from industrial uses. And, future industrial flows are projected based on FAR of the zoning district multiplied by a flow factor of 0.015 gal/sf/d. This flow factor has been accepted by DEP staff for the industrial flow rate based on existing data from the Township from similarly zoned and developed parcels. 4. Current flow allocation is characterized as 81.44% residential, 17.01% commercial, and 1.55% industrial (sanitary only.) 5. Under an agreement with Burlington City, the City treatment plant treats 600,000 gpd that are not reflected in the current flow volume. If that agreement would lapse, an additional 600,000 gpd would be added to the future flow volume for the Central Avenue wastewater treatment plant.

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Table 9		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Cinnaminson Sewerage Authority	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024007	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Cinnaminson Sewer Authority	
7. Operator of facility:	Cinnaminson Sewer Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Cinnaminson Township, Burlington County	
b. Street address	1621 Riverton Road, Cinnaminson, NJ 08077	
c. Block(s) and Lot(s)	Block 309, lot 2.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 75° 00' 35.6" b. Latitude 40° 01' 05.6"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Cinnaminson Township	15,317	15,614
Municipality: Delran Township	14	14
Total	15,331	15,628
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
Municipality: Cinnaminson Township		
Residential flow	1.0857	1.121
Commercial flow	0.1481	0.152
Industrial flow	0.0649	0.095
Infiltration /Inflow	0.085	0.0845
Municipality: Riverton Township		
Residential flow	0.0018	0.0018
Commercial flow	0	0
Industrial flow	0	0

Infiltration /Inflow	0	0
Facility Total	1.385 MGD	1.454 MGD

Notes: Current flow is based on the highest 12-month average, with 3 anomalous points removed, for the period 2011-2016.
 Infiltration and inflow volume was provided by Alaimo Engineers, consultants to the facility. I/I for Riverton is negligible over the 400 ft length of sewer main in that Borough.
 Riverton is considered to be an urbanized municipality and no growth is projected for the 5 dwelling units served by the Cinnaminson wastewater treatment plant.

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**Table 10
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Delaware #1 Water Pollution Control Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0026182	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 3	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Camden County MUA	
7. Operator of facility:	Camden County MUA	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	City of Camden, Camden County	
b. Street address	1645 Ferry Avenue	
c. Block(s) and Lot(s)	Block 454, Lot 2	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 75° 07' 41.5" b. Latitude 39° 55' 20.9"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	80 MGD	
12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Mount Laurel Township	930	1,109
Municipality: Evesham Township	0	0
Camden County	Not applicable	Not applicable
Total		
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	(MGD)	(MGD)
<u>Municipality:</u> Mount Laurel Township		
Residential flow	0.113	0.128
Commercial flow	0.135	0.135
Industrial flow	0	0
Infiltration /Inflow	0.0044	0.0044
<u>Municipality:</u> Evesham Township		
Residential flow	0	0.000
Commercial flow	0.00035	0.00035
Industrial flow	0	0.000

Infiltration /Inflow	0	0
<u>Municipality:</u> Camden County (all other)		
Residential flow	Not applicable	Not applicable
Commercial flow	Not applicable	Not applicable
Industrial flow	Not applicable	Not applicable
Infiltration /Inflow	Not applicable	Not applicable
Facility Total	57.68 MGD	unknown

Notes: Population projections for Mount Laurel Township are based on DVRPC estimated 2.46 pp/du.

There are currently 378 existing dwelling units and 464 commercial connections in Mount Laurel discharging to the Cherry Hill interceptor.

Infiltration and Inflow in Mount Laurel is estimated based on length of pipe at an average flow rate calculated as: $100 * d * L$. The Mount Laurel I & I is deducted from the total estimated I & I of 7.714 MGD for the plant. Total I & I for the plant is estimated on the difference in average flow and average low flow.

Due to the short length of pipe connecting one existing property in Evesham Township, inflow and infiltration are expected to be negligible.

Block 36 lot 10 in Evesham is currently a veterinary hospital 3300 sf. Other lots in CCMUA service area of Evesham are assessed as Voorhees Township, Camden County and are vacant. No build-out analysis or capacity assessment completed for these vacant lots in Evesham, but assessed in Camden County.

Current flow is based on five years of flow data, 2011 - 2016.

Table 11 DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Delran Sewerage Authority Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0023507	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Delran Township	
7. Operator of facility:	Delran Township	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Delran Township, Burlington County	
b. Street address	33 River Drive, Delran Township	
c. Block(s) and Lot(s)	Block 1, lot 4.01	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 58' 36.8" b. Latitude 40° 02' 20.2"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.5 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Delran Township	15966	16254
Municipality: Moorestown Township	28	28
Municipality: Cinnaminson Township	0	0
Total	15994	16282
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality: Delran Township</u>		
Residential flow	1.502	1.567
Commercial flow	0.303	0.400
Industrial flow	0.396	0.396
Infiltration /Inflow	0.052	0.052
<u>Municipality: Moorestown Township</u>		
Residential flow	0.002	0.00260
Commercial flow	0	0.00000

Industrial flow	0	0.00000
Infiltration /Inflow	0	0.00000
<u>Municipality: Cinnaminson Township</u>		
Residential flow	0	0.00000
Commercial flow	0	0.00300
Industrial flow	0	0.00000
Infiltration /Inflow	0	0.00000
Facility Total	2.255 MGD	2.421 MGD
<p>Notes: The portion of Cinnaminson Township to be served by Delran is a commercial site only and has existing development not connected to sewers (Block 703, lot 28.)</p> <p>No I&I has been attributed to the short lengths of sewer main located in Moorestown and to be located in Cinnaminson. I & I is calculated for the rest of the collection system based on a flow factor of gallons per mile of various pipe diameters.</p> <p>Flow allocation is based on estimates from land use and tax data.</p> <p>Current facility total represents the highest 12-month average flow over the period 2011- 2016</p>		

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Table 12		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Elmwood Wastewater Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024031	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Southwest Branch Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Evesham Municipal Utilities Authority	
7. Operator of facility:	Evesham Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Evesham Township, Burlington County	
b. Street address	260 Elmwood Road North, PO Box 467, Marlton, NJ 08053-0467	
c. Block(s) and Lot(s)	Block 19.01, Lot 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 52' 53.7" b. Latitude 39° 53' 21.7"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.978 MGD	
12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Evesham Township	22,459	23,576
Municipality: Medford Township	12	20
Total	22,471	23,596
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current Year (2016) MGD	Build-out MGD
<u>Municipality: Evesham Township</u>		
Residential flow	1.880	2.011
Commercial flow	0.048	0.093
Industrial flow	0.010	0.013
Infiltration /Inflow	0.092	0.092

<u>Municipality: Medford Township</u>		
Residential flow	0.001	0.001
Commercial flow	0.0003	0.0003
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	2.031 MGD	2.208 MGD
<p>Notes: (1) Due to the short length of the collection system in Medford Township, the contribution of I & I from that area is assumed to be negligible. (2) Current flow is based on highest 12-month average during the period Sept 2011 to Aug 2016. (3) I & I is estimated from pipe length and reviewed by MUA engineer (4) future development in Medford portion of sewer service area includes one commercially zoned parcel with a build-out of 2251 s.f.</p>		

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**Table 13
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Fieldsboro Wastewater Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0031810	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Fieldsboro Borough	
7. Operator of facility:	Fieldsboro Borough	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Fieldsboro, Burlington County	
b. Street address	203 Delaware Street	
c. Block(s) and Lot(s)	Block 11, lot 1.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 44' 3" b. Latitude 40° 8' 15"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.1 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	20-year Future Population (Year 2035)
Municipality: Fieldsboro Borough	540	574
Municipality: Bordentown Township	3	3
Total	543	577
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Fieldsboro		
Residential flow	0.0447	0.0447
Commercial flow	0.005	0.005
Industrial flow	0	0
Infiltration /Inflow	0.0153	0.0153
<u>Municipality:</u> Bordentown Township		
Residential flow	0.0003	0.0003
Commercial flow	0	0
Industrial flow	0	0

Infiltration /Inflow	0	0
Facility Total	0.065 MGD	0.065 MGD

Notes: Flow is based on the highest 12-month average for the period 2011 - 2016, after corrections for decimal place errors in reported monthly flows. I & I is based on the difference between the average flow for the 5 year period and the average low flow for the same period. No I & I is projected for the short segment of sanitary sewer serving one existing single family dwelling in Bordentown Twp.

An existing industrial facility in Fieldsboro is not connected to the municipal DTW and has a separate discharge for both industrial process water and sanitary wastewater.

Fieldsboro is not an urban community under the 2016 water quality planning rules. However, a parcel-based build-out projects no additional development potential. Thus, there is no projected additional flow to this wastewater treatment facility. Flow allocation among uses is based on land use and/or tax data.

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**Table 14
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Florence Township Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0023701	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Florence Township	
7. Operator of facility:	Florence Township	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Florence Township, Burlington County	
b. Street address	1500 Front Street	
c. Block(s) and Lot(s)	Block 156.01, lots 3 and 3.01	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 49' 29" b. Latitude 40° 7' 6"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.5 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	20-year Future Population (Year 2035)
Municipality: Florence Township	7,762	9,488
Municipality: Burlington Township*	0	0
Total	7,762	9,488
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Florence Township		
Residential flow	1.291	1.370
Commercial flow	0.0549	0.434
Industrial flow	0.028	0.32
Infiltration /Inflow	0.154	0.154
<u>Municipality:</u> BurlingtonTownship		
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.0036	0.0036

Infiltration /Inflow	0	0
Facility Total	1.531 MGD	2.281 MGD

Notes: Flow is based on the highest 12-month average for the period 2013 - 2016. I & I is based on the difference between the average flow for the period and the average low flow for the same period. No I & I is projected for the short segment of sanitary sewer serving one facility in Burlington Twp. The flow meter for the Florence plant was non-operational prior to 2013 and therefore only flow data from 2013 forward was used in this capacity analysis.

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Table 15		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Hartford Road Water Pollution Control Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0025178	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek	
5. Classification of receiving water or aquifer:	FW-2NT	
6. Owner of facility:	Mount Laurel Township Municipal Utilities Authority	
7. Operator of facility:	Mount Laurel Township Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Mount Laurel Township, Burlington County	
b. Street address	1201 South Church Street, Mount Laurel, NJ 08054	
c. Block(s) and Lot(s)	Block 205, Lots 3.01 & 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 52' 46.7" b. Latitude 39° 59' 55.7"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	6.0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Mount Laurel Township	40,919	42,693
Municipality: Evesham Township	30	30
Municipality: Moorestown Township	0	0
Municipality: Medford Township	0	3
Total	40,949	42,726
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality: Mount Laurel Township</u>		
Residential flow	2.988	3.193
Commercial flow	0.995	1.035
Industrial flow	0	0.73

Infiltration /Inflow	0.406	0.406
<u>Municipality:</u> Moorestown Township		
Residential flow	0	0
Commercial flow	0.002	0.002
Industrial flow	0	0
Infiltration /Inflow	0	0
<u>Municipality:</u> Evesham Township		
Residential flow	0.006	0.007
Commercial flow	0.014	0.014
Industrial flow	0	0
Infiltration /Inflow	0	0
<u>Municipality:</u> Medford Township		
Residential flow	0.0039	0.0039
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	4.415 MGD	5.391 MGD

Notes: 1. The existing flow includes all service in Moorestown, Medford and Evesham. The MLMUA service areas in those municipalities are considered built-out. 2. Service in Moorestown consists of existing commercial/retail development where the structures straddle the municipal boundary. No population is attributed to those sites. 3. The population summary does not include areas in the Camden County MUA future wastewater service area. 4. Build-out flow includes existing development in the Future Wastewater Service Area that is not currently connected. 5. Future Sewer Service Area amendment, "Waterwood" was included in the build-out analysis using the underlying zoning district standards. 6. I & I estimate was provided by the Mount Laurel MUA. Portions of the collection system serving municipalities other than Mount Laurel are short and are considered to contribute negligible I & I. 6. Current flow represents the highest 12-month average in the five year period 2011 - September 2016.

Table 16		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Kings Grant Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0029203	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer System	
5. Classification of receiving water or aquifer:	I - PL (Protection)	
6. Owner of facility:	Evesham Township	
7. Operator of facility:	Evesham Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Evesham Township, Burlington County	
b. Street address	984 Tuckerton Road, Room 211, Marlton, NJ 08054	
c. Block(s) and Lot(s)	Block 44.32, Lot 3	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 53' 33.94" b. Latitude 39° 49' 29.29"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.6 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Evesham Township	6,581	6,581
Municipality: Medford Township	31	33
Total	6,612	6,614
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Evesham Township		
Residential flow	0.344	0.344
Commercial flow	0.007	0.007
Industrial flow	0	0
Infiltration /Inflow	0.053	0.053
<u>Municipality:</u> Medford Township		
Residential flow	0.003	0.003
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0	0

Facility Total	0.407 MGD	0.407 MGD
Notes: Due to the short length of sewer serving existing dwellings in Medford Township, the I & I is believed to be negligible. This sewer service area is considered built-out.		

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**Table 17
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Maple Shade Park Avenue Wastewater Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0069167	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	South Branch Pennsauken Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Maple Shade Township	
7. Operator of facility:	Water Operating Services	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Maple Shade Township, NJ	
b. Street address	Municipal Complex, 200 Stiles Avenue Maple Shade, NJ 08052	
c. Block(s) and Lot(s)	Block 1.13, lots 3 and 32	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 75° 00' 56.5" b. Latitude 39° 57 '30.8"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	3.4 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Maple Shade Township	19,131	19,592
Municipality: Cinnaminson Township	252	257
Total	19,383	19,849
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality: Maple Shade Township</u>		
Residential flow	1.074	1.079
Commercial flow	0.845	0.864
Industrial flow	0.0696	0.0696
Infiltration /Inflow	0.559	0.559
<u>Municipality: Cinnaminson Township</u>		
Residential flow	0.098	0.101
Commercial flow	0.058	0.060

Industrial flow	0	0
Infiltration /Inflow	0.044	0.044
Facility Total	2.747 MGD	2.777 MGD

Notes: Current flow is based on the highest 12-month average for the period 2011 - 2016.

Total I & I is calculated based on the difference between the average flow and the average low flow for the plant. I & I for Cinnaminson is the proportion of that total I & I using the same percentage of the total flow that is attributed to Cinnaminson (approximately 7.26%.)

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**Table 18
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Medford Lakes Borough Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0021326	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Aetna Run - South Branch Rancocas Creek	
5. Classification of receiving water or aquifer:	PL	
6. Owner of facility:	Borough of Medford Lakes	
7. Operator of facility:	Borough of Medford Lakes	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Medford Lakes Borough, Burlington County	
b. Street address	14 Stokes Road	
c. Block(s) and Lot(s)	Block 30058, Lot 2	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 48' 37.1" b. Latitude 39° 51' 54.7"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.55 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Medford Lakes Borough	4,146	4,185
Municipality: Medford Township	280	294
Total	4,426	4,479
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Medford Lakes Borough		
Residential flow	0.268	0.271
Commercial flow	0.0069	0.0069
Industrial flow	0	0
Infiltration /Inflow	0.046	0.046
<u>Municipality:</u> Medford Township		
Residential flow	0.0625	0.0658
Commercial flow	0.0052	0.0052
Industrial flow	0	0
Infiltration /Inflow	0.0003	0.0003
Facility Total	0.389 MGD	0.395 MGD

Notes: Flow is based on highest 12-month average in five years of flow data (2011-2016.) Use allocation is based on land use and/or tax data. I & I is derived from the difference in average flow and average low flow.

Medford Lakes is an urbanized community. Future flow is based on population growth projections by DVRPC.

Medford Township is not an urbanized community. Future flow is based on build-out projections of 11 additional dwelling units. There is no existing development in this sewer service area is not connected to the collection system.

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Table 19 DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Mount Holly Water Pollution Control Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024015	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	North Branch Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Mount Holly Municipal Utilities Authority	
7. Operator of facility:	Mount Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Mount Holly Township, Burlington County	
b. Street address	300 Rancocas Road, Mount Holly AND Maple Avenue, Lumberton Township	
c. Block(s) and Lot(s)	Block 133, Lots 1,2,3 & 4 Mount Holly AND Block 13, lots 2.02, 2.04, 2.05 & 2.06 Lumberton	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 48' 9" b. Latitude 39° 59' 43"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	7.675 MGD	
12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current Population	Build-out or 20-year Future (Year 2035)
Municipality: Mount Holly Township	10,814	11,700
Municipality: Eastampton Township	6,690	6,778
Municipality: Lumberton Township	12,617	13,103
Municipality: Hainesport Township	6,317	6,069
Municipality: Westampton Township	6,114	5,921
Municipality: Moorestown Township	1,208	1,839
Municipality: Pemberton Township	0	0
Total	43,760	45,410
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current Year (2014) MGD	Build-out MGD
Municipality: Mount Holly Township		
Residential flow	0.484	0.524
Commercial flow	0.207	0.334

Industrial flow	0	0.128
Infiltration /Inflow	0.053	0.053
<u>Municipality: Eastampton Township</u>		
Residential flow	0.328	0.528
Commercial flow	0.017	0.197
Industrial flow	0	0.003
Infiltration /Inflow	0.026	0.026
<u>Municipality: Lumberton Township</u>		
Residential flow	0.757	0.910
Commercial flow	0.106	0.119
Industrial flow	0.018	0.024
Infiltration /Inflow	0.067	0.067
<u>Municipality: Hainesport Township</u>		
Residential flow	0.38	0.456
Commercial flow	0.029	0.293
Industrial flow	0	0.073
Infiltration /Inflow	0.031	0.031
<u>Municipality: Westampton Township</u>		
Residential flow	0.297	0.328
Commercial flow	0.165	0.399
Industrial flow	0.009	0.069
Infiltration /Inflow	0.036	0.036
<u>Municipality: Moorestown Township</u>		
Residential flow	0.157	0.161
Commercial flow	0	0.078
Industrial flow	0	0.063
Infiltration /Inflow	0.012	0.012
<u>Municipality: Pemberton Township</u>		
Residential flow	0	0
Commercial flow	0	0.363
Industrial flow	0	0
Infiltration /Inflow	0	0
<u>Municipality: Hauled/Outside Sources</u>		
	0.203	0.329
Facility Total	3.382 MGD	5.604 MGD
<p>Notes: Current Facility Total includes an estimate of 0.203 MGD of leachate/sludge/septage/other hauled waste. Future facility total projects a growth of 37% in hauled waste for a total of 0.278 MGD added to the wastewater from the collection system reflected in the table above.</p> <p>Current flows are based on the highest 12-month average for the period 2011 - 2016. Municipal flow based on percentage of total flow provided in the MHMUA wastewater management plan adopted in 2012.</p>		

The 2012 adopted wastewater plan was used to estimate allocations of residential, commercial and industrial use for each municipality currently served and the future flow projections and projected populations for Mount Holly, Eastampton, Hainesport, Lumberton and Westampton are taken directly from the adopted MHMUA wastewater management plan.

Total Infiltration and Inflow was estimated to be 0.25 MGD in the 2012 adopted wastewater management plan and was held steady for this update. Each municipality was assigned a portion of that I/I equal to the percentage of the municipal flow to the plant. (Mount Holly 22%; Eastampton 11%; Lumberton 28%; Hainesport 13%; Westampton 15%; and Moorestown 5%). Other sources of flow from hauled waste represent 6% of the average flow.

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Table 20		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Palmyra Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024449	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 3	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Palmyra Borough	
7. Operator of facility:	Palmyra Borough	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Palmyra Borough, Burlington County	
b. Street address	1 Firth Lane, Palmyra, NJ 08065	
c. Block(s) and Lot(s)	Block 148, lots 2.01 & 26 and Block 149, lot 17	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 75° 02' 17.5" b. Latitude 40° 00' 36.9"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.05 MGD	
12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Palmyra Borough	7398	7990
Municipality: Riverton Borough	10	10
Total	7408	8000
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
<u>Municipality:</u> Palmyra Borough		
Residential flow	0.373	0.378
Commercial flow	0.048	0.174
Industrial flow	0.049	0.049
Infiltration /Inflow	0.018	0.018
<u>Municipality:</u> Riverton Borough		
Residential flow	0.001	0.001
Commercial flow	0	0

Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.489 MGD	0.621 MGD

Notes: Future flow is based on the non-urban build-out analysis in Palmyra. No additional development is projected for the four dwelling units served in Riverton Borough. Population in Riverton is based on the 4 dwelling units that are connected to the Palmyra system multiplied by the DVRPC reported 2.4 pp/unit. The final product (population) is rounded up. Total flow is based on the highest 12-month average over the period 2011 -2016. I & I estimates were provided by Environmental Resolutions (ERI). They used pipe diameter x length with flow factor of 110 g. Township engineer supplied estimates of percentage of each category of flow were applied to remaining volume after subtracting I&I and the existing 4 D.U.s in Riverton.

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Table 21		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Pemberton Township Municipal Utilities Authority Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024821	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	North Branch Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Pemberton Township MUA	
7. Operator of facility:	Pemberton Township MUA	
8. Co-Permitee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Pemberton Township, Burlington County	
b. Street address	199 Birmingham Road, Pemberton, NJ 08068	
c. Block(s) and Lot(s)	Block 793, Lot 2.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 42' 27.8" b. Latitude 39° 58' 35.0"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	2.5 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Pemberton Township	27,912	30,836
Municipality: Pemberton Borough	1,409	1,422
Total	29,321	32,258
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality: Pemberton Township</u>		
Residential flow	1.628	2.143
Commercial flow	0.161	0.289
Industrial flow	0	0.002
Infiltration /Inflow	0.0877	0.0877
<u>Municipality: Pemberton Borough</u>		
Residential flow	0.090	0.094
Commercial flow	0.009	0.009
Industrial flow	0	0.000

Infiltration /Inflow	0.013	0.013
Facility Total	1.988 MGD	2.633 MGD

Notes: I & I is estimated based on the difference in the average flow and the average low flow in the five year period, 2011-2016.

Facility total flow is based on the highest 12-month average in the five year period, 2011-2016.

Future flow for Pemberton Township includes approximately 789 existing dwelling units (89 apts), 2 existing assembly halls and 55,340 sf of existing, non-residential development that is located in the future sewer service area, but is not currently connected.

There is no existing development in the Future Sewer Service Area of Pemberton Borough that is not currently connected to the sewer collection system.

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Table 22 DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Riverside Reclamation Authority Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0022519	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Riverside Township	
7. Operator of facility:	Riverside Township	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Riverside Township, Burlington County	
b. Street address	Polk Street, PO Box 188 Riverside, NJ 08075	
c. Block(s) and Lot(s)	Block 101, Lot 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 57' 57.6" b. Latitude 40° 02' 34.3"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Riverside Township	8,079	8,702
Municipality: Delran Township	1,357	1,366
Total	9,436	10,068
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality: Riverside Township</u>		
Residential flow	0.442	0.503
Commercial flow	0.077	0.077
Industrial flow	0.019	0.019
Infiltration /Inflow	0.131	0.131
<u>Municipality: Delran Township</u>		
Residential flow	0.070	0.071
Commercial flow	0.044	0.044
Industrial flow	0.0014	0.0014
Infiltration /Inflow	0.028	0.028

Facility Total	0.813 MGD	0.875 MGD
Notes: Flow is based on five years of data (2011 - 2016.) I & I is calculated on the difference between average flow and average low flow. The portion of I & I attributed to Delran is based on the same ratio of the total volume treated compared to the portion treated that comes from Delran.		

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Table 23		
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES		
1. Existing Facility:	Riverton Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0021610	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Delaware River Zone 2	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Riverton Borough	
7. Operator of facility:	Riverton Borough	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Riverton Borough, Burlington County	
b. Street address	505A Howard Street, Riverton, NJ 08077	
c. Block(s) and Lot(s)	Block 1500 Lot 1	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 75° 00' 38.2" b. Latitude 40° 00' 38.2"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.22 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Riverton Borough	2755	2766
Municipality: Palmyra Borough	10	10
Total	2765	2776
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Riverton Borough		
Residential flow	0.147	0.148
Commercial flow	0.013	0.013
Industrial flow	0	0
Infiltration /Inflow	0.0108	0.0108
<u>Municipality:</u> Palmyra Borough		
Residential flow	0.0012	0.0012
Commercial flow	0	0
Industrial flow	0	0

Infiltration /Inflow	0	0
Facility Total	0.172 MGD	0.173 MGD

Notes: Riverton is an urban community. Future flow is based on population projections for the year 2035 from DVRPC. It includes a population increase of 11 people and a job increase of 3.

Total flow volume represents the highest twelve-month average for a five year period, 2011 - 2016, with 3 anomalous readings removed. I & I is calculated on the difference between average flow and average low flow for the five year period.

The service area in Palmyra consists of four single family dwellings with no growth projected. No I & I is allocated to the short length of gravity main located in the Borough of Palmyra.

Industrial flow is sanitary wastewater only.

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**Table 24
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Willingboro Water Pollution Control Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0023361	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Willingboro Municipal Utilities Authority	
7. Operator of facility:	Willingboro Municipal Utilities Authority	
8. Co-Permitee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Willingboro Township, Burlington County	
b. Street address	433 John F. Kennedy Way, Willingboro, NJ 08046	
c. Block(s) and Lot(s)	Block 13, Lot 7	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 55' 16.8" b. Latitude 40° 01' 41.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	5.22 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Willingboro Township	31,629	34,913
Municipality: Edgewater Park Township	8,881	9,693
Municipality: Westampton Township	2,816	4,861
Municipality: Delanco Township	110	322
Total	43,436	49,789
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
<u>Municipality:</u> Willingboro Township		
Residential flow	2.785	2.815
Commercial flow	0.393	0.415
Industrial flow	0.042	0.048
Infiltration /Inflow	0.106	0.106
<u>Municipality:</u> Edgewater Park Township		
Residential flow	0.354	0.496

Commercial flow	0.016	0.154
Industrial flow	0.000	0.017
Infiltration /Inflow	0.030	0.030
<u>Municipality:</u> Westampton Township		
Residential flow	0.196	0.376
Commercial flow	0.121	0.249
Industrial flow	0.000	0.125
Infiltration /Inflow	0.008	0.008
<u>Municipality:</u> Delanco Township		
Residential flow	0.012	0.012
Commercial flow	0.000	0.000
Industrial flow	0.000	0.000
Infiltration /Inflow	0.000	0.000
Facility Total	4.063 MGD	4.85 MGD
<p>NOTES:</p> <ol style="list-style-type: none"> 1. Delanco flow is based on the "not to exceed" letter to Abundant Life from the MUA ex.director 2. ERI provided flow allocation and I & I for Edgewater Park Township 3. Westampton flow allocations are based on review of land use and/or tax data to estimated percentage of use. 4. All I & I is estimated based on pipe length and diameter. 		

**Table 25
DOMESTIC TREATMENT FACILITY SERVING MULTIPLE MUNICIPALITIES**

1. Existing Facility:	Wrightstown Borough Sewage Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0022985	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	North Run	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Wrightstown Municipal Utilities Authority	
7. Operator of facility:	Wrightstown Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Wrightstown Borough, Burlington County	
b. Street address	70A Martha Avenue	
c. Block(s) and Lot(s)	Block 501, Lot 18	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 36' 49.6" b. Latitude 40° 02' 18.8"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.337 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Wrightstown Borough	802	925
Municipality: Springfield Township	0	0
Total	802	925
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u> Wrightstown Borough		
Residential flow	0.0292	0.0292
Commercial flow	0.0356	0.0486
Industrial flow	0	0
Infiltration /Inflow	0.018	0.018
<u>Municipality:</u> Springfield Township		
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.0003	0.0003

Infiltration /Inflow	0	0
Facility Total	0.088 MGD	0.096 MGD
<p>Notes: Current flow is based on the highest 12-month average after removing 5 anomalous records for the five year period 2011-2016. I & I is calculated on the difference between average flow and average low flow.</p> <p>Due to the short length of pipe in Springfield Township, I & I is projected to be negligible for Springfield.</p> <p>The service area in Springfield Township covers an existing warehouse/industrial use and no growth is projected. The industrial discharge represents sanitary wastewater only.</p>		

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Section II. Facility Tables for Domestic Treatment Works Serving One Municipality

The following tables (26 - 32) provide capacity analyses for public domestic wastewater treatment facilities that provide wastewater treatment to sewer service areas in one municipality only.

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Table 26
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY

1. Existing Facility:	Homestead at Mansfield Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0098663	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Assiscunk Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Homestead Treatment Utility, Inc., c/o Applied Wastewater Inc.	
7. Operator of facility:	Homestead Treatment Utility, Inc., c/o Applied Wastewater Inc.	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Mansfield Township, Burlington County	
b. Street address	Petticoat Bridge Road	
c. Block(s) and Lot(s)	Block 42.11, lot 47.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 45' 12" W b. Latitude 40° 3' 45" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.25 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2008) Population	Build-out
Total	1,654	2,810
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current Flow (MGD)	Build-out
Residential flow	0.16	0.289
Commercial flow	0.001	0.002
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.161 MGD	0.290 MGD
The current flow is based on flow data from the period 2011 - 2016 and represents the highest 12-month average in that period. Current flow is unchanged from the flow reported in the Mansfield wastewater management plan adopted in 2012.		

**Table 27
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Mapleton Wastewater Treatment Facility (Mansfield Farms)	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0108120	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Englishtown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Applied Water Management, Inc.	
7. Operator of facility:	Applied Water Management, Inc.	
8. Co-Permitee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Mansfield Township, Burlington County	
b. Street address		
c. Block(s) and Lot(s)	Block 6.01, lot 7	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 40' 22" W b. Latitude 40° 5' 39" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.376 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2008) Population	Build-out
Total	1,867	1,870
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current Flow (MGD)	Build-out (MGD)
Residential flow	0.147	0.147
Commercial flow	0.068	0.145
Industrial flow	0	0
Infiltration /Inflow	0.043	0.043
Facility Total	0.259 MGD	0.335 MGD

Notes: Current flow is based on the highest 12-month average of reported daily maximum over the period 2011 - 2016. Current commercial flow represents flow from schools estimated in the treatment works approvals for those connections. Future is based on an amendment to the Mansfield Wastewater Management Plan adopted in 2014.

Future commercial flow is based on an amendment to the Mansfield wastewater management plan and it does not reflect the estimated square footage from the build-out analysis.

I / I is calculated from the difference in average monthly flow and average low flow over the five year period.

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**Table 28
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Medford Township Wastewater Treatment Plant	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0026832	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek South Branch	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Medford Township	
7. Operator of facility:	Medford Township	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Medford Township, Burlington County	
b. Street address	18 Fostertown Road	
c. Block(s) and Lot(s)	Block 303, Lot 2.01 & 2.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 48' 09.9" b. Latitude 39° 55' 15.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.75 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality:	13,854	15,675
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
<u>Municipality:</u>		
Residential flow	1.057	1.248
Commercial flow	0.112	0.223
Industrial flow	0	0.010
Infiltration /Inflow	0.150	0.150
Facility Total	1.319 MGD	1.630 MGD
Notes: The "current" population estimate for the Medford Township WWTP sewer service area includes an estimated 4861 existing, connected dwelling units with an average population according to DVRPC of 2.85 persons/d.u. The population estimate for 2035 is based on an additional build-out of 639 dwelling units (531 potential units, plus 86 units in the Pinelands that are not currently connected, and 22 existing units outside the Pinelands area that are not currently connected, but are in the future sewer service area) multiplied by the municipal average of 2.85 pp/du.		

Future flow includes a significant contribution from existing development, both residential and non-residential in character, that is in the future sewer service area, but is not currently connected to the system (estimated: 32,400 gpd residential, 6,498 gpd commercial, and 3,630 gpd industrial.) Current flow is allocated based on the highest twelve-month average over the 5 year period October 2011 through September 2016. Allocation among uses is estimated using tax data and/or land use data.

I & I represents an estimate prepared by the Township Engineer and uses a flow factor of 250 gal/d*in-mi over the 75.1 miles of sanitary sewer main.

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**Table 29
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Moorestown Township Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024996	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Pennsauken Creek North Branch	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Moorestown Township	
7. Operator of facility:	Moorestown Department of Public Works	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Moorestown Township, Burlington County	
b. Street address	Moorestown Dept. of Public Works 251 Pine Street Moorestown, NJ 08057	
c. Block(s) and Lot(s)	Block 400, Lot 16	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 59' 28.0" b. Latitude 39° 57' 44.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	3.88 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Total	16,834	17,814
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
<u>Municipality</u> : Moorestown Township	Current (MGD)	Build-out (MGD)
Residential flow	1.4553	1.563
Commercial flow	0.5403	0.550
Industrial flow (no process water)	0.3035	1.288
Infiltration /Inflow	0.629	0.629
Facility Total	2.928 MGD	4.029 MGD

Note: Proportion of existing flow attributed to residential/commercial/industrial flows are based on an evaluation of the land use and/or tax records. I & I is based on the difference between average flow over the five year period 2011 - 2016 and the average low flow for that period. The portion of Moorestown Township served by Mount Holly is not reflected in the population estimates.

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**Table 30
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Pinelands Wastewater Company	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0023736	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	South Branch Rancocas Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Pinelands Wastewater Company	
7. Operator of facility:	Pinelands Wastewater Company	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Southampton Township, Burlington County	
b. Street address	117 Newbolds Corner Road	
c. Block(s) and Lot(s)	Block 903, Lot 26.05	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 45' 11.6" b. Latitude 39° 56' 36.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.5 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Southampton Township	5,764	5,780
Total	5,764	5,780
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	MGD	MGD
Residential flow	0.263	0.265
Commercial flow	0.004	0.010
Industrial flow	0	0
Infiltration /Inflow	0.040	0.040
Facility Total	0.307 MGD	0.316 MGD
Notes: Current flows are based on 5yrs of flow data from 2011 to 2016. I & I is estimated on the difference between average flow and average low flow. Future population is based on projected additional 7 dwelling units at build-out with a population of 2.18 pp/du according to the DVRPC analysis of 2010 census data.		

**Table 31
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Albert C. Wagner Youth Correctional Facility Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0026719	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Crosswicks Creek via unnamed tributary	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	New Jersey Department of Correction	
7. Operator of facility:	New Jersey Department of Correction	
8. Co-Permitee of facility (<i>where applicable</i>):	NA	
9. Location of facility:	Ward Avenue, Chesterfield Township	
a. Municipality & County	Chesterfield Township, Burlington County	
b. Street address	500 Ward Avenue, Bordentown, NJ 08505	
c. Block(s) and Lot(s)	Block 105, Lot 2.01	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 44' 15.9" b. Latitude 40° 09' 44.1"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.3 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Municipality: Chesterfield Township	2,665	3,033
Total	2,665	3,033
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
<u>Municipality: Chesterfield Township</u>		
Residential flow	0.702	0.773
Commercial flow	0.008	0.012
Industrial flow	0	0
Infiltration /Inflow	0.11	0.11
Facility Total	0.82 MGD	0.895 MGD

Notes: Due to a drop in resident population at Wagner in October 2013, flow information is based on data starting from March 2015.

I & I is derived from the difference in average flow and average low flow over the 18 month period. Due to the relatively new collection system in Chesterfield Township, most of the I & I is expected to be generated within the Youth Correctional Facility collection system.

The Township engineer provided a use allocation for the current Township portion of the sewer service area that includes 98.2% residential and 1.8% commercial (143,166 gpd). The entire portion of the flow attributed to the Wagner Youth Correctional Facility is considered to be residential.

Future additional flow reflects only the potential development in the sewer service area of Chesterfield Township and does not project any future growth at the Wagner Youth Correctional Facility.

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**Table 32
DOMESTIC TREATMENT FACILITY SERVING ONE MUNICIPALITY**

1. Existing Facility:	Woodstream Wastewater Treatment Facility	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024040	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Pennsauken Creek South Branch	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Evesham Municipal Utilities Authority	
7. Operator of facility:	Evesham Municipal Utilities Authority	
8. Co-Permittee of facility (<i>where applicable</i>):	Not applicable	
9. Location of facility:		
a. Municipality & County	Evesham Township, Burlington County	
b. Street address	984 Tuckerton Road, Room 211, Marlton, NJ 08054	
c. Block(s) and Lot(s)	Block 1.01, Lot 19	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 57' 13.6" b. Latitude 39° 54' 32.4"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	1.7 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2010) Population	Build-out or 20-year Future (Year 2035)
Total	9005	9147
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:		
Residential flow	0.555	0.555
Commercial flow	0.425	0.437
Industrial flow	0	0.004
Infiltration /Inflow	0.034	0.034
Facility Total	1.014 MGD	1.03 MGD

Notes: Infiltration and Inflow is based on a flow factor per diameter-miles of gravity sewers. Current flow is based on highest 12 month average for the five year period 2011 - 2016.

Section III. Facility Tables for Onsite Domestic Wastewater Facilities

The following tables (33 – 54) provide a capacity analysis for onsite domestic wastewater treatment facilities.

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**Table 33
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Assembly of God, Fountain of Life	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0141640	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Merchantville	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Burlington Assembly of God, Fountain of Life	
7. Operator of facility:	Burlington Assembly of God, Fountain of Life	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Florence Township, Burlington County	
b. Street address	2030 Columbus Road	
c. Block(s) and Lot(s)	Block 170, Lot 6.01	
10. Location of discharge (approximated):	a. Longitude 74° 47' 24" W b. Latitude 40° 4' 57" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0132 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out or 20- Year Future (Year 2035)
Total	3	3
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.00035	0.00035
Commercial flow (assembly hall, banquet hall, school)	0.01285	0.01285
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0132	0.0132

**Table 34
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing facility:	Church of the Assumption	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0168556	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Vincentown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Diocese of Trenton	
7. Operator of facility:	Diocese of Trenton	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	North Hanover Township, Burlington County	
b. Street address	28 Monmouth Road	
c. Block(s) and Lot(s)	Block 901, lot 1.01	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude W 74° 33' 14" b. Latitude N 40° 4' 34"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.00452 MGD	
12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035)
Residential flow	0.0003	0.0003
Commercial flow	0.00026	0.0042
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.00056	0.0045
Notes: Current flow is based on reported daily maximums for the period 2012 - 2017. Projected/permitted flow is estimated on a 3-bedroom dwelling, 1100 seat assembly hall and 240 students in six classrooms.		

**Table 35
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Cookstown Quality Inn	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0065528	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Cookstown Hospitality Group LLC	
7. Operator of facility:	Cookstown Hospitality Group LLC	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	New Hanover Township, Burlington County	
b. Street address	21 Wrightstown - Cookstown Road	
c. Block(s) and Lot(s)	Block 1, lots 4 & 6	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 34' 45" W b. Latitude 40° 2' 30" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.00893 MGD	
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.0079	0.0079
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0079 MGD	0.0079 MGD
Notes: Current flow is based on average daily maximum reported for the period 2011-2016.		

**Table 36
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility:	Hanover Village Mobile Home Park	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0022438	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Deep Run	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Debrossy, Julius Jr. & Christine	
7. Operator of facility:	Debrossy, Julius Jr. & Christine	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	North Hanover Township, Burlington County	
b. Street address	194 Jacobstown-New Egypt Road	
c. Block(s) and Lot(s)	Block 800, lots 62, 63, 65 & 66	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 33' 45" W b. Latitude 40° 04' 37" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.02MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2014) Population	Build-out
Total	308	308
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2014) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.0092	0.0092
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0.0015	0.0015
Facility Total	0.0107 MGD	0.0107 MGD
<p>NOTES: Facility serves 102 mobile home units. No additional development is projected onsite. Population based on DVRPC municipal estimates of population of 3.02 pp/du. Current flow represents the highest 12-month average for the period 2012-2017. I/I is estimated based on the difference between average low flow and average flow for the same period.</p>		

**Table 37
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Hartford Square	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0141704	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Vincentown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Hartford Square, LLC	
7. Operator of facility:	Hartford Square, LLC	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Medford Township, Burlington County	
b. Street address	137 Route 70	
c. Block(s) and Lot(s)	Block 401, lots 13.01, 13.02, 14.01, 14.02 and 14.03	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 50' 42" W b. Latitude 39° 54' 4" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.02 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.002417	0
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.002417	0
Notes: Current development of this site is served by two separate onsite systems serving a pharmacy (12150) sf, a 3000 sf bank and a small 3800 sf commercial building) and each generating less than 2000 gpd. Future flow is set to zero because the site would connect to public sanitary sewers if, and when, those became available to serve the site.		

**Table 38
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Helen Forte Middle School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0022438	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Indian Run	
5. Classification of receiving water or aquifer:	PL	
6. Owner of facility:	Pemberton Township Board of Education	
7. Operator of facility:	Pemberton Township Board of Education	
8. Co-Permitee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Pemberton Township, Burlington County	
b. Street address	301 Fort Dix Road	
c. Block(s) and Lot(s)	Block 944, lots 2 and 3	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 39' 51.3" W b. Latitude 39° 59' 58.6" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.005 MGD	
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035) (in MGD)
Residential flow	0	0
Commercial flow	0.003	0.003
Industrial flow	0	0
Infiltration /Inflow	0.002	0.002
Facility Total	0.005	0.005
Flow is based on five years of data (2010-2015). I & I is derived from the difference between average flow and average low flow. Due to fluctuations in student population and flow based on school in-session, the I & I calculated may not be reflective of actual conditions.		

**Table 39
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Kenneth R. Olsen Middle School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0091294	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	I-PL (Protection)	
6. Owner of facility:	Tabernacle Township Board of Education	
7. Operator of facility:	Tabernacle Township Board of Education	
8. Co-Permittee of facility (<i>where applicable</i>):		
9. Location of facility:		
a. Municipality & County	Tabernacle Township, Burlington County	
b. Street address	132 New Road	
c. Block(s) and Lot(s)	Block 404, Lots 16.03, 16.11, Block 403, lot 17.02 and Block 1201, lot 28	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 42' 27.9" W b. Latitude 39° 50' 52.5" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.028 MGD	
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.0059	0.0192
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0059 MGD	0.0192 MGD
<p>Notes: No residential population is served. The onsite system serves existing public uses including a middle school, an elementary school, a special services school, an emergency squad and vehicle storage building.</p> <p>Reported current flow is a reported average daily maximum for the period 2010 - 2015. Build-out flow represents the potential flow from these uses based on NJAC 7:14a.</p>		

**Table 40
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Mobile Estates of Southampton	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0028665	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Rancocas Creek - North Branch	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Mobile Estates of Southampton, Inc.	
7. Operator of facility:	Mobile Estates of Southampton, Inc.	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Southampton Township, Burlington County	
b. Street address	4362 Route 206	
c. Block(s) and Lot(s)	Block 404, lot 19	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 43' 54" b. Latitude 39° 58' 26"	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.6 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	610	610
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.0363	0.056
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0.0064	0.006
Facility Total	0.0427	0.061
Notes: The facility serves 280 existing mobile home units and no additional development is planned. Population is based on DVRPC estimates of 2.18 persons per dwelling unit in Southampton Township I/I is calculated on the difference between average flow and average low flow for the facility.		

**Table 41
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Mount Holly Water Company	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0109291 (DGW) & NJ0109266 (DSW)	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW & DSW	
4. Receiving water or aquifer:	DSW - Unnamed tributary to Crafts Creek; DGW - Englishtown Formation	
5. Classification of receiving water or aquifer:		
6. Owner of facility:	Mount Holly Water Company/ New Jersey American Water	
7. Operator of facility:	Mount Holly Water Company/ New Jersey American Water	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Mansfield Township, Burlington County	
b. Street address	3165 Route 206	
c. Block(s) and Lot(s)	Block 30, lot 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 43' 2" W b. Latitude 40° 5' 26" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.02 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2008) Population	Build-out
Total	N/A	N/A
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2008) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.019	0.02
Infiltration /Inflow	0	0
Facility Total	0.019	0.02
Notes: Data presented as Daily longterm average flow. Location of discharge noted is for DSW. DGW is 40° 5' 46" N and 74° 43' 13" W. This table modifies and updates the table included in the Mansfield Township wastewater management plan adopted in 2012.		

**Table 42
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	National Auto Dealers Exchange	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0105031	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Englishtown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	National Auto Dealers Exchange	
7. Operator of facility:	National Auto Dealers Exchange	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Mansfield Township, Burlington County	
b. Street address	Intersection of Routes 206 and 68	
c. Block(s) and Lot(s)	Block 1, lots 5.01 & 5.03; Block 2, lots 1.01 - 1.04, 2.01 - 2.03, & 3; Block 3, lots 1, 2 & 5.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 42' 6" W b. Latitude 40° 6' 38" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.008142 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.004467	0.014
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.004467 MGD	0.014 MGD
Notes: This table reflects the information included in the facility table for this plant that was included in the Mansfield Township wastewater management plant adopted in 2012. No I&I data was available for this plant. The NJPDES Treatment Works Approval regulations make numerical allowances for I /I. Current flow data reflects daily average flows for five years (2011-2016). Daily max flows were not reported.		

**Table 43
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	New Lisbon Developmental Center	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0070955	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	New Jersey Department of Human Services	
7. Operator of facility:	New Jersey Department of Human Services	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Woodland Township, Burlington County	
b. Street address	Route 72	
c. Block(s) and Lot(s)	Block 601, lots 1, 3 & 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 34' 48.8" W b. Latitude 39° 53' 21.7" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.2 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2014) Population	Build-out
Total	860	860
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.1175	0.2
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.1175 MGD	0.2 MGD
Notes: Current flow is the average daily maximum for the period 2010 - 2015. Current population includes only residents of the institution. There are a reported 1240 staff members in addition. There is no information available regarding any planned/foreseen population increase.		

**Table 44
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	North Hanover Upper Middle School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0146587	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	North Hanover Township Board of Education	
7. Operator of facility:	North Hanover Township Board of Education	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	North Hanover Township, Burlington County	
b. Street address	Schoolhouse Road	
c. Block(s) and Lot(s)	Block 501, lots 17,19, and 22	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 35' 17" W b. Latitude 40° 4' 26" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	.0159 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.006135	0.0159
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	.006135 MGD	.0159 MGD
Notes: This facility treats wastewater from both the Township Upper Elementary School and the Clarence B. Lamb School. Total enrollment at the school is 292. Staff of 93. CBL school is enrollment of 419 and staff of 429. Current flow represents the average reported daily maximum for the period 2010 - 2015.		

**Table 45
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Offshore Manor	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0054372	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cape May Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Bass River Township	
7. Operator of facility:	Bass River Township	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Bass River Township, Burlington County	
b. Street address	Route 9 Cedar Ave	
c. Block(s) and Lot(s)	Block 301, lot 5	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 23' 36" W b. Latitude 39° 35' 52" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0336 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	312	312
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out MGD) (in
Residential flow	0.02422	0.0336
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.02422 MGD	0.336 MGD

Notes: Population is based on the DVRPC estimate of 2.88 persons per dwelling unit for the 108 existing units. The product is rounded up. The service area is built-out.

Current flow is the average reported daily maximum for the period 2010 - 2015.

The block and lot number provided is the location for the disposal field. Additional block and lots for the 108 dwelling units are included in this service area.

**Table 46
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Olde York Country Club	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0105392	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Woodbury Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	RDC Golf Group, Inc.	
7. Operator of facility:	Olde York Country Club	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Chesterfield Township, Burlington County	
b. Street address	228 Olde York Road	
c. Block(s) and Lot(s)	Block 701, lot 2.01, 2.02, 3.01 & 3.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 41' 39" W b. Latitude 40° 6' 59" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0105 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 20____) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.0072	
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0072 MGD	0.0105 MGD
Notes: Current flow is the average reported daily maximum for the period 2010 - 2015. Facility is also known as "Three Putt, LLC".		

**Table 47
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Seneca High School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0136239	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	I-PL (Protection)	
6. Owner of facility:	Lenape Regional High School District	
7. Operator of facility:	Lenape Regional High School District	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Tabernacle Township, Burlington County	
b. Street address	110 Carranza Road	
c. Block(s) and Lot(s)	Block 401, lot12.01	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 43' 6" W b. Latitude 39° 51' 19" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.030 MGD	
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.012	0.003
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.012 MGD	0.030 MGD
Notes: Flow is the average reported daily maximum for five years of data (2010-2015) excluding 7 atypical July and August flows.		

**Table 48
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Shamong Twp. Upper Elementary School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0076538	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	I-PL	
6. Owner of facility:	Shamong Township Board of Education	
7. Operator of facility:	Shamong Township Board of Education	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Shamong Township, Burlington County	
b. Street address	295 Indian Mills Road	
c. Block(s) and Lot(s)	Block 7, lots 20 & 21.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 46' 1" W b. Latitude 39° 49' 0" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.00625 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.003138	0.00625
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.003138 MGD	0.00625 MGD
Notes: Flow is the average reported daily maximum for five years of data (2010-2015) excluding 7 atypical July and August flows.		

**Table 49
ON-SITE DOMESTIC TREATMENT FACILITY**

Spartan Village Mobile Home Park		
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0163945	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Spartan Village Mobile Home Park	
7. Operator of facility:	Spartan Village Mobile Home Park	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	North Hanover Township, Burlington County	
b. Street address	511 Wrightstown Sykesville Road	
c. Block(s) and Lot(s)	Block 602, lot 4	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 37' 4" W b. Latitude 40° 2' 35" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.038 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	668	668
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.0312	0.0031
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0.0049	0.0049
Facility Total	0.0361 MGD	0.038 MGD
<p>Notes: Population estimates are based on DVRPC projections of 3.02 persons per dwelling unit in North Hanover Township and applied to the 221 mobile home units onsite.</p> <p>Spartan Village MHP also had a DSW NJPDES permit NJ0025796. There is no flow data for this discharge and the monitoring location was deactivated by NJDEP in 2010 due to a change in discharge parameters.</p> <p>Flow is the average reported daily maximum for five years of data (2010-2015). I & I is calculated as the difference in monthly average flow and monthly average low flow for the period.</p>		

**Table 50
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Springfield Township Elementary School	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0021571	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Unnamed tributary to Barkers Brook	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Springfield Township Board of Education	
7. Operator of facility:	Springfield Township Board of Education	
8. Co-Permitee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Springfield Township, Burlington County	
b. Street address	2146 Jacksonville Jobstown Road	
c. Block(s) and Lot(s)	Block 1002, lot 5	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 41' 50" W b. Latitude 40° 1' 54" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0075 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.0011	0.00068
Industrial flow	0	0
Infiltration /Inflow	0.0007	0.0007
Facility Total	0.0018 MGD	0.0075 MGD
Notes: Current flow represents the highest 12-month average during the period 2010-2015,excluding one anomalous high flow. Infiltration and inflow reflects the difference between average flow and average low flow. However, due to fluctuations in school population and non-school days, this may not accurately assess I/I.		

**Table 51
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Tiny Bubbles Car Wash	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0054364	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Vincentown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Tiny Bubbles Self Service Car Wash	
7. Operator of facility:	Tiny Bubbles Self Service Car Wash	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	North Hanover Township, Burlington County	
b. Street address	245 Cookstown New Egypt Road	
c. Block(s) and Lot(s)	Block 903, lot 6	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 32' 42" W b. Latitude 40° 3' 42" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0011 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.0011	0.0011
Infiltration /Inflow	0	0
Facility Total	0.0011 MGD	0.0011 MGD

**Table 52
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	USDOD Joint Base - MDL	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0074284	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cohansey Formation	
5. Classification of receiving water or aquifer:	I-PL	
6. Owner of facility:	USDOD Department of the Army	
7. Operator of facility:	USDOD Department of the Army	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	New Hanover Township, Burlington County	
b. Street address	5320 Delaware Avenue	
c. Block(s) and Lot(s)	Block 15, lot 1	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 36' 35" W b. Latitude 40° 1' 4" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	4.6 MGD	
12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2014) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.490	0.865
Commercial flow	1.959	3.016
Industrial flow	0	0
Infiltration /Inflow	no data	no data
Facility Total	2.45 MGD	3.88 MGD
Notes: No data is available to estimate I & I for this system. Existing flow is a baseline flow rated on site mobilization levels in 2011. Five year annual average is slightly lower. Existing flow is estimated to be 20% residential (including existing penitentiary) and 80% non-residential, no industrial use. Future flow represents 100% mobilization of the site using all sewage generating structures.		
The future sewer service area for this facility spans portions of New Hanover Township, North Hanover Township, Pemberton Township, and Springfield Township. However, it is entirely within the boundaries of the military base and no municipal build-out is included in the projected flow.		

**Table 53
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	Wawa at Rts 38 and 206	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0169030	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Vincentown Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Wawa, Inc.	
7. Operator of facility:	Wawa, Inc.	
8. Co-Permitee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Southampton Township, Burlington County	
b. Street address	2356 Route 206	
c. Block(s) and Lot(s)	Block 404, lots 1, 2, 2.01 & 2.02	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74o 44' 2" W b. Latitude 39o 58' 12" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.002743 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2014) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0.0025	0.002743
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0025 MGD	0.002743 MGD

Notes: Current flow represents the average reported daily maximum for the period 2010 - 2014. Notes from the May 28, 2015 NJDEP Inspection report: Wawa #8300 has been on pump and haul since June 30, 2014, and will remain on pump and haul until new upgraded plant is on line. In the meantime, Facility and Engineer are going to put the current Amphidrome Treatment Plant back into operation for ~60 days to evaluate why it did not perform as designed. There will be NO discharge out of the STP through DSN T01T. All final "treated" effluent will continue to be pumped and hauled to a regulated facility for disposal.

**Table 54
ON-SITE DOMESTIC TREATMENT FACILITY**

1. Existing Facility	California Village Mobile Home Park	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0027511	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Unnamed tributary to Crosswicks Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	California Village LLC	
7. Operator of facility:	California Village LLC	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	North Hanover, Burlington County	
b. Street address	181 Cookstown - New Egypt Road	
c. Block(s) and Lot(s)	Block 902, Lot 9	
10. Location of discharge:	c. State Plane Coordinates (NAD83-USFEET) X: 477966; Y: 447329	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.032 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2014) Population	Build-out
Total	387	387
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0.0097	0.0258
Commercial flow	0	0
Industrial flow	0	0
Infiltration /Inflow	0.0053	0
Facility Total	0.0149 MGD	0.0258 MGD
Notes: This table is based on DMR flow data for the period 2012 to 2017. The population is based on 3 persons per dwelling unit. The property is built-out with 129 dwelling units. Future flow is estimated as a maximum flow of 200 gallons per dwelling unit per day.		

Section IV. Facility Tables for T-1 Permitted Wastewater Treatment Facilities

The following tables (55- 100) provide capacity reports for domestic wastewater treatment facilities with a T-1 type of discharge permit.

DRAFT

**Table 55
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility	Allenwood Estates
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0084859
3. Discharge to ground water (DGW):	T1
4. Receiving aquifer:	Kirkwood - Cohansey
5. Classification of receiving water or aquifer:	I-PL
6. Owner of facility:	Allenwood Estates LLC
7. Operator of facility:	Allenwood Estates LLC
8. Location of facility:	
a. Municipality & County	Tabernacle Township, Burlington County
b. Street address	17 Cherry Lane
c. Block(s) and Lot(s)	Block 201, Lot 4.01
9. Location of discharge	a. Longitude: 74° 45' 43" N b. Latitude: 39° 51' 31" W
10. Permitted flow :	0.0133 MGD
*11. Summary of current population served identifying all wastewater generating uses:	
School: Identify number of students and staff (specify cafeteria, labs, showers)	0
Institution: Identify number of beds	0
Restaurant: Identify number of seats	0
Campground: Identify numbers of sites (specify if laundry, store, bathhouses)	0
Other: Refer to NJAC 7:9A-7.4	105 mobile home units

**Table 56
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Apanay Café
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0138223
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood - Cohansey Aquifer System
5. Classification of receiving aquifer:	I-PL
6. Owner of facility:	Liberty Bell Bank
7. Operator of facility:	Liberty Bell Bank
8. Location of facility:	
a. Municipality & County	Southampton Township, Burlington County
b. Street address	788 Magnolia Road
c. Block(s) and Lot(s)	Block 3601, Lot 37.01
9. Location of discharge (approximated):	a. Longitude 74° 37' 18" W b. Latitude 39° 54' 38" N or
10. Permitted Flow:	0.00315 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	90
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 57
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Andrews Federal Credit Union
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0210498
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Simshabs IX, Inc.
7. Operator of facility:	Simshabs IX, Inc.
8. Location of facility:	
a. Municipality & County	New Hanover Township, Burlington County
b. Street address	25 Wrightstown Road
c. Block(s) and Lot(s)	Block 1, lot 7
9. Location of discharge (approximated):	a. Longitude 74° 34' 44" W b. Latitude 40° 2' 35" N
10. Permitted Flow:	(No data) MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	29,400 sf
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	N/A

**Table 58
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Ark Road Educational Campus
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0109215
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Composite Confining Unit
5. Classification of receiving aquifer:	III-A
6. Owner of facility:	Burlington County Board of Chosen Freeholders
7. Operator of facility:	Burlington County Special Services School District
8. Location of facility:	
a. Municipality & County	Medford Township and Lumberton Township, Burlington County
b. Street address	61 Ark Road, Medford
c. Block(s) and Lot(s)	Block 202, lot 1.02 (Medford) & Block 39, lot 2 (Lumberton)
9. Location of discharge (approximated):	a. Longitude 74° 51' 7" W b. Latitude 39° 55' 59" N
10. Permitted Flow:	0.01 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	400 (with showers)
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

Table 59 SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE	
1. Existing Facility:	Atlantic City North Campground
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0154628
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood - Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	George & Beverly Dickerson
7. Operator of facility:	George & Beverly Dickerson
8. Location of facility:	
a. Municipality & County	Bass River Township, Burlington County
b. Street address	51 Ishmael Road, Tuckerton, NJ 08087
c. Block(s) and Lot(s)	Block 34, lot 8 and Block 35, lot 4
9. Location of discharge (approximated):	a. Longitude 74° 24' 29" W b. Latitude 39° 36' 40" N
10. Permitted Flow:	0.0191 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	191 sites
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 60
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Bass River State Forest
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085201
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood - Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	State of New Jersey DEP
7. Operator of facility:	State of New Jersey - Bass River State Forest
8. Location of facility:	
a. Municipality & County	Bass River Township, Burlington County
b. Street address	Stage Road
c. Block(s) and Lot(s)	Block 85, lot 1
9. Location of discharge (approximated):	a. Longitude 74° 25' 52" W b. Latitude 39° 36' 40" N
10. Permitted Flow:	0.006 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	178 campsites 1 bathhouse
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 61
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Belhaven Lake RV Resort
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085146
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood - Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	M & T Family Holdings
7. Operator of facility:	M & T Family Holdings
8. Location of facility:	
a. Municipality & County	Washington Township, Burlington County
b. Street address	1223 Batsto-Bridgeport Road
c. Block(s) and Lot(s)	Block 46.01, lots 3.01, 3.02, 3.03, 4, 5, 6.01, 6.03 & 6.05
9. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 35' 42" W b. Latitude 39° 37' 23" N
10. Permitted Flow:	0.0357 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	300 campsites 5 bathhouses
Other: <u>Refer to NJAC 7:9A-7.4</u>	1 single family dwelling

**Table 62
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Brendan Byrne State Forest
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0133141
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood - Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	State of New Jersey
7. Operator of facility:	State of New Jersey Brendan Byrne State Forest
8. Location of facility:	
a. Municipality & County	Woodland Township, Burlington County
b. Street address	Shinns Road
c. Block(s) and Lot(s)	Block 7102, lot 2
9. Location of discharge (approximated):	a. Longitude 74° 34' 37" W b. Latitude 39° 53' 46" N
10. Permitted Flow:	0.002
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	91 campsites 3 cabins
Other: <u>Refer to NJAC 7:9A-7.4</u>	1000 sf offices

**Table 63
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Buttonwood Mobile Home Park Inc
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0157015
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Buttonwood Inc
7. Operator of facility:	Buttonwood Inc
8. Location of facility:	143 Leektown Road, New Gretna
a. Municipality & County	Bass River Township, Burlington County
b. Street address	143 Leektown Road, New Gretna
c. Block(s) and Lot(s)	Block 67, lot 24
9. Location of discharge (approximated):	a. Longitude 74° 28' 12" W b. Latitude 39° 37' 37" N
10. Permitted Flow:	0.00792 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	500 sf
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	This site also has a bath house and campsites
Other: <u>Refer to NJAC 7:9A-7.4</u>	33 Mobile Home Sites 1 single family dwelling

**Table 64
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Cave Holdings - Flying W Airport & Restaurant
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0131431
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Hornerstown Formation
5. Classification of receiving aquifer:	III-A
6. Owner of facility:	Cave Holdings, Flying W Airport LLC
7. Operator of facility:	Cave Holdings, Flying W Airport LLC
8. Location of facility:	
a. Municipality & County	Lumberton Township & Medford Township, Burlington County
b. Street address	82 Fostertown Road
c. Block(s) and Lot(s)	Block 46.01, lot 2.01 (Lumberton) & Block 303, lot 1 (Medford)
9. Location of discharge (approximated):	a. Longitude 74° 48' 29" W b. Latitude 39° 56' 10" N
10. Permitted Flow	0.0052 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Motel/Hotel: <u>Identify number of rooms</u>	44 rooms
Restaurant: <u>Identify number of seats</u>	200 seats
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	Airport garage & hanger, one bathhouse

**Table 65
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Cedar Grove Apartments
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085022
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown formation
5. Classification of receiving aquifer:	III-B
6. Owner of facility:	Kesser Realty, LLC
7. Operator of facility:	Kesser Realty, LLC
8. Location of facility:	
a. Municipality & County	North Hanover, Burlington County
b. Street address	145 Cookstown-New Egypt Road
c. Block(s) and Lot(s)	Block 903, lot 18
9. Location of discharge (approximated):	a. Longitude 74° 33' 11" W b. Latitude 40° 3' 25" N
10. Permitted Flow:	0.0108 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	40 one-bedroom apartments 8 two-bedroom apartments

**Table 66
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Chatsworth Elementary School
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0170674
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Chatsworth Public School
7. Operator of facility:	Chatsworth Public School
8. Location of facility:	
a. Municipality & County	Woodland Township, Burlington County
b. Street address	Giles Avenue
c. Block(s) and Lot(s)	Block 4807, lot 1
9. Location of discharge (approximated):	a. Longitude 74° 32' 13" W b. Latitude 39° 48' 58" N
10. Permitted Flow:	0.225 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	177 students & staff
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 67
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Chips Folly Outdoor Association
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0145394
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I - PL (Preservation)
6. Owner of facility:	Paul Ludwig
7. Operator of facility:	Paul Ludwig
8. Location of facility:	
a. Municipality & County	Bass River Township, Burlington County
b. Street address	100 Chips Folly Road
c. Block(s) and Lot(s)	Block 69, lots 27 & 29
9. Location of discharge (approximated):	a. Longitude 74°29'45.6" W b. Latitude 39°38'2.4" N
10. Permitted Flow:	0.0241 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	211 campsites 4 bath houses
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 68
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Circle Apartments - Sports Paradise
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0166707
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Potomac Raritan Magothy
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Tama Investments, LLC
7. Operator of facility:	Tama Investments, LLC
8. Location of facility:	
a. Municipality & County	Willingboro Township, Burlington County
b. Street address	4230 Route 130
c. Block(s) and Lot(s)	Block 5.01, lot 4
9. Location of discharge (approximated):	a. Longitude 74° 29' 46" W b. Latitude 39° 38' 2" N
10. Permitted Flow:	0.0035 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	8 one-bedroom apartments 2 two-bedroom apartments

**Table 69
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Columbus Farmers Market
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0075493
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Englishtown
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Columbus Farmers Market LLC
7. Operator of facility:	Columbus Farmers Market LLC
8. Location of facility:	
a. Municipality & County	Springfield Township, Burlington County
b. Street address	2943 Route 206
c. Block(s) and Lot(s)	Block 801, lots 4.01,2.01, 2.02, 2.03 & 2.04
9. Location of discharge (approximated):	a. Longitude 74° 43' 37" W b. Latitude 40° 3' 14" N
10. Permitted Flow:	0.0093 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	70
Commercial: <u>Identify amount of square footage</u>	13,275 sf
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 70
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Costello Prep
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0082686
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Cohansey Formation
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	State of New Jersey
7. Operator of facility:	State of New Jersey
8. Location of facility:	
a. Municipality & County	Shamong Township, Burlington County
b. Street address	Tuckerton Road
c. Block(s) and Lot(s)	Block 38, lot 7
9. Location of discharge (approximated):	a. Longitude 74° 39' 54" W b. Latitude 39° 47' 10"N
10. Permitted Flow:	0.025 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	88
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 71
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Country House Restaurant
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0128554
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Valley National Bank
7. Operator of facility:	Valley National Bank % Property Management Dept.
8. Location of facility:	
a. Municipality & County	Pemberton Township, Burlington County
b. Street address	122 South Pemberton Road
c. Block(s) and Lot(s)	Block 793, Lots 4.01 & 4.02
9. Location of discharge (approximated):	a. Longitude 74° 42' 77" W b. Latitude 39° 58' 8" N
10. Permitted Flow:	0.007875 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	225
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 72
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Family Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0169722
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Family Park, LLC
7. Operator of facility:	Family Park, LLC
8. Location of facility:	
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	89 Cookstown - New Egypt Road
c. Block(s) and Lot(s)	Block 903, Lots 25 - 27
9. Location of discharge (approximated):	a. Longitude 74° 33' 31" W b. Latitude 40° 3' 15" N
10. Permitted Flow:	0.007 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: Refer to NJAC 7:9A-7.4 (Mobile Home Park)	19
Notes: Existing single family dwelling on separate septic system	

**Table 73
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Fawn Lake Village
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0084786
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Fawn Lake, LLC
7. Operator of facility:	Fawn Lake, LLC
8. Location of facility:	
a. Municipality & County	Shamong Township, Burlington County
b. Street address	1000 Route 206
c. Block(s) and Lot(s)	Block 34, Lot 3
9. Location of discharge (approximated):	a. Longitude 74° 44' 17" W b. Latitude 39° 46' 41" N
10. Permitted Flow:	0.0144 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 (Mobile Home Park)</u>	144

**Table 74
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Fenimore Community Mobile Home Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0084930
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Third Garden Park, LLC
7. Operator of facility:	Fenimore Community
8. Location of facility:	
a. Municipality & County	Eastampton Township, Burlington County
b. Street address	2411 Route 206
c. Block(s) and Lot(s)	Block 1600, Lot 7
9. Location of discharge (approximated):	a. Longitude 74° 51' 34" W b. Latitude 39° 59' 55" N
10. Permitted Flow:	0.0036 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: Refer to NJAC 7:9A-7.4 (Mobile Home Park)	56 mobile home units
Notes: The existing treatment facility will be abandoned and the site will be connected to the Mount Holly MUA collection system when sewer mains are extended to serve this area.	

**Table 75
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Fenimore Woods Mobile Home Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0084573
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Charles Wortham
7. Operator of facility:	Charles Wortham
8. Location of facility:	
a. Municipality & County	Eastampton Township, Burlington County
b. Street address	2419 Route 206
c. Block(s) and Lot(s)	Block 1600, Lot 5
9. Location of discharge (approximated):	a. Longitude 74° 44' 17" W b. Latitude 39° 58' 50" N
10. Permitted Flow:	0.0097 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: Refer to NJAC 7:9A-7.4 (Mobile Home Park)	36 mobile home units, 2 single family dwellings, 1 office/maintenance shop, 5 campsites
Notes: The existing treatment facility will be abandoned and the site will be connected to the Mount Holly MUA collection system when sewer mains are extended to serve this area.	

**Table 76
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Garden State Diner
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0137421
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Cohansey Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	S & Z Rotsides, Inc.
7. Operator of facility:	S & Z Rotsides, Inc.
8. Location of facility:	
a. Municipality & County	Springfield Township, Burlington County
b. Street address	208 Georgetown-Wrightstown Road
c. Block(s) and Lot(s)	Block 2304.01, Lots 1 & 3
9. Location of discharge (approximated):	a. Longitude 74° 37' 52" W b. Latitude 40° 3' 36" N
10. Permitted Flow:	0.0035 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	217
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 77
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Hilltop Motel
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0174653
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Jakujo, Inc.
7. Operator of facility:	Jakujo, Inc.
8. Location of facility:	
a. Municipality & County	Springfield Township, Burlington County
b. Street address	128 Route 68
c. Block(s) and Lot(s)	Block 1902, lot 4.03
9. Location of discharge (approximated):	a. Longitude 74° 38' 31" W b. Latitude 40° 2' 2" N
10. Permitted Flow:	Unknown
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	11

**Table 78
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Imperial Inn
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0169421
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Merchantville Woodbury Confining Unit
5. Classification of receiving aquifer:	III-A
6. Owner of facility:	Patel & Sons, Inc
7. Operator of facility:	Patel & Sons, Inc
8. Location of facility:	
a. Municipality & County	Mansfield Township, Burlington County
b. Street address	3312 Route 206
c. Block(s) and Lot(s)	Block 3, lots 3.01 & 3.02
9. Location of discharge (approximated):	a. Longitude 74° 42' 29" W b. Latitude 40° 6' 25" N
10. Permitted Flow:	0.0059 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Motel/hotel Single Family Dwellings	40 Rooms 2 SFD

**Table 79
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Indian Mills School
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0072168
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Cohansey Formation
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Shamong Township Board of Education
7. Operator of facility:	Shamong Township Board of Education
8. Location of facility:	
a. Municipality & County	Shamong Township
b. Street address	112 Indian Mills Road
c. Block(s) and Lot(s)	Block 19.02, lots 3 & 4.01
9. Location of discharge (approximated):	a. Longitude 74° 44' 38" W b. Latitude 39° 47' 53" N
10. Permitted Flow:	0.01665 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: Identify number of students and staff (specify cafeteria, labs, showers)	666 (including students and staff)- no showers
Institution: Identify number of beds	0
Restaurant: Identify number of seats	0
Commercial: Identify amount of square footage	0
Campground: Identify numbers of sites (specify if laundry, store, bathhouses)	0
Other: Refer to NJAC 7:9A-7.4	0

**Table 80
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	JCC Campus at Medford
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0088331
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Protection)
6. Owner of facility:	Jewish Community Properties
7. Operator of facility:	Jewish Community Properties
8. Location of facility:	
a. Municipality & County	Medford Township, Burlington County
b. Street address	400 Tuckerton Road
c. Block(s) and Lot(s)	Block 5301.02, lot 12
9. Location of discharge (approximated):	a. Longitude 74° 48' 4" W b. Latitude 39° 50' 20" N
10. Permitted Flow:	0.003 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 (Daycamp)</u>	300 campers

**Table 81
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Liberty Lake Day Camp
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0174769
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Merchantville Woodbury Confining Unit
5. Classification of receiving aquifer:	III-A
6. Owner of facility:	Liberty Lakes Land LLC
7. Operator of facility:	Liberty Lakes Land LLC
8. Location of facility:	
a. Municipality & County	Mansfield Township, Burlington County
b. Street address	1195 Florence Columbus Road
c. Block(s) and Lot(s)	Block 47.01 , lot 10.01
9. Location of discharge (approximated):	a. Longitude 74° 45' 2" W b. Latitude 40° 4' 57" N
10. Permitted Flow:	0.008MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	Daycamp

Notes: This facility serves restrooms and kitchen for a daycamp of approximately 800 campers.

**Table 82
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Maplewood Apartments
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0087360
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincetown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Maplewood Apartment Prt % D. Beinhaker GND
7. Operator of facility:	Maplewood Apartment Prt % D. Beinhaker GND
8. Location of facility:	
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	42 Meany Road
c. Block(s) and Lot(s)	Block 800, lot 68
9. Location of discharge (approximated):	a. Longitude 74° 33 '43" W b. Latitude 40° 4' 26" N
10. Permitted Flow:	0.0028 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Apartments	4 one-bedroom apartments 4 two-bedroom apartments

**Table 83
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Maplewood Apartments II
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0066249
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	North Mill Associates GND Mgmt
7. Operator of facility:	North Mill Associates GND Mgmt
8. Location of facility:	
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	202 Croshaw Road
c. Block(s) and Lot(s)	Blcok 603, lots 10 & 29
9. Location of discharge (approximated):	a. Longitude 74° 35' 45" W b. Latitude 40° 3' 4" N
10. Permitted Flow:	0.0183 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 Apartments</u>	56 one-bedroom apartments 32 three-bedroom apartments

**Table 84
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	New NGC Inc
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0109177
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Potomac Raritan Magothy
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	National Gypsum Company
7. Operator of facility:	National Gypsum Company
8. Location of facility:	
a. Municipality & County	Burlington Township, Burlington County
b. Street address	1818 River Road, Burlington, NJ 08016
c. Block(s) and Lot(s)	Block 154, Lot 2
9. Location of discharge (approximated):	a. Longitude 74° 49' 44" W b. Latitude 40° 6' 32" N
10. Permitted Flow:	0.005687 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Industrial/warehouse	# employees unknown; office, industrial use & warehouse totaling 176,000 SF (sanitary wastewater only)

Table 85 SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE	
1. Existing Facility:	Oakview Leisure Village
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0082872
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Cohansey Formation
5. Classification of receiving aquifer:	I-PL
6. Owner of facility:	Third Garden Park Ltd.
7. Operator of facility:	Third Garden Park Ltd.
8. Location of facility:	
a. Municipality & County	Shamong Township, Burlington County
b. Street address	Atsion Road
c. Block(s) and Lot(s)	Block 11, Lot 1
9. Location of discharge (approximated):	a. Longitude 74° 47' 10" W b. Latitude 39° 48' 18" N
10. Permitted Flow:	0.035 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Mobile Home Park	100 units

**Table 86
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Pandora Diner
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0102415
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Mount Laurel - Wenonah Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Pamuk Real Estate, LLC
7. Operator of facility:	Pamuk Real Estate, LLC
8. Location of facility:	
a. Municipality & County	Springfield Township, Burlington County
b. Street address	2678 Route 206
c. Block(s) and Lot(s)	Block 1001, lot 10
9. Location of discharge (approximated):	a. Longitude 74° 43' 55" W b. Latitude 40° 1' 5" N
10. Permitted Flow:	0.0025 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	200
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 87
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Pilgrim Lake Campground
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085260
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Gretna Greens % S. Hazard Greens Inc
7. Operator of facility:	Gretna Greens % S. Hazard Greens Inc
8. Location of facility:	
a. Municipality & County	Bass River Township, Burlington County
b. Street address	940 Stage Road
c. Block(s) and Lot(s)	Block 83, Lots 2D, 2E, and 2F
9. Location of discharge (approximated):	a. Longitude 74° 26 42" W b. Latitude 39° 37' 37" N
10. Permitted Flow:	0.0169 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	144 sites, 2 bath houses
Other: <u>Refer to NJAC 7:9A-7.4</u>	1 single family dwelling

**Table 88
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Pinelands Residential Group Center
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0132608
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	State of New Jersey
7. Operator of facility:	State of New Jersey
8. Location of facility:	
a. Municipality & County	Washington Township, Burlington County
b. Street address	3016 Route 563
c. Block(s) and Lot(s)	Block 27, Lot 20
9. Location of discharge (approximated):	a. Longitude 74° 31' 52" W b. Latitude 39° 40' 59" N
10. Permitted Flow:	0.0039 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 Congregate Living</u>	20

**Table 89
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Red Lion Diner
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0078891
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Formation
5. Classification of receiving aquifer:	I-PL (Protection)
6. Owner of facility:	Lontokal, Inc
7. Operator of facility:	Lontokal, Inc
8. Location of facility:	
a. Municipality & County	Southampton Township, Burlington County
b. Street address	1753 Route 206
c. Block(s) and Lot(s)	Block 3002, Lot 5.02
9. Location of discharge (approximated):	a. Longitude 74° 44' 31" W b. Latitude 39° 53' 10" N
10. Permitted Flow:	0.006 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	240
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

Table 90
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE

1. Existing or Proposed Facility:	Richards Mobile Home Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0155756
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Vincentown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Naushaun Richards
7. Operator of facility:	Naushaun Richards
8. Location of facility:	
a. Municipality & County	Southampton Township, Burlington County
b. Street address	150 Route 530
c. Block(s) and Lot(s)	Blcok 701, Lot 4.01
9. Location of discharge (approximated):	a. Longitude 74° 42' 58" W b. Latitude 39° 57' 58" N
10. Permitted Flow:	0.014 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: Identify number of students and staff (specify cafeteria, labs, showers)	0
Institution: Identify number of beds	0
Restaurant: Identify number of seats	0
Commercial: Identify amount of square footage	0
Campground: Identify numbers of sites (specify if laundry, store, bathhouses)	0
Other: Refer to NJAC 7:9A-7.4 Mobile Home Park	70 units

**Table 91
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing or Proposed Facility:	Riverfront Motel
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0130630
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Merchantville - Woodbury Confining Unit
5. Classification of receiving aquifer:	III-A
6. Owner of facility:	Robert G. Maxwell Enterprises
7. Operator of facility:	Robert G. Maxwell Enterprises
8. Location of facility:	
a. Municipality & County	Mansfield Township, Burlington County
b. Street address	5303 Route 130
c. Block(s) and Lot(s)	Block 68, Lot 3
9. Location of discharge (approximated):	a. Longitude 74° 45' 46" W b. Latitude 40° 7' 19" N
10. Permitted Flow:	0.00399 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 Motel/Hotel</u>	28 Rooms, 1 2-bedroom apartment

**Table 92
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	South's Mobile Home Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085081
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Composite Confining Unit
5. Classification of receiving aquifer:	II - A
6. Owner of facility:	Willard South Sr. and Willard South Jr.
7. Operator of facility:	Willard South Sr. and Willard South Jr.
8. Location of facility:	
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	114 Cookstown - New Egypt Road
c. Block(s) and Lot(s)	Block 905, Lots 1 - 7
9. Location of discharge (approximated):	a. Longitude 74° 33' 14" W b. Latitude 40° 3' 18" N
10. Permitted Flow:	0.0052 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Mobile Home Park	52 units

**Table 93
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Springfield Golf Center
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0141674
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Englishtown
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Mijo Corporation
7. Operator of facility:	Mijo Corporation
8. Location of facility:	
a. Municipality & County	Springfield Township, Burlington County
b. Street address	855 Jacksonville - Mount Holly Road
c. Block(s) and Lot(s)	Block 601, Lot 7
9. Location of discharge (approximated):	a. Longitude 74° 45' 58" W b. Latitude 40° 2' 17" N
10. Permitted Flow:	0.0035 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	27,700 SF
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 94
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Timberline Lake Camping Resort
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0086886
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Timberline Lake Inc. c/o McGourley
7. Operator of facility:	Timberline Lake Inc. c/o McGourley
8. Location of facility:	
a. Municipality & County	Bass River Township, Burlington County
b. Street address	365 Route 679
c. Block(s) and Lot(s)	Block 67, Lots 6 & 9
9. Location of discharge (approximated):	a. Longitude 74° 28' 52" W b. Latitude 39° 37' 52" N
10. Permitted Flow:	0.0173 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	153 Sites, 2 bath houses, 1 RV pumping station; and a laundry room
Other: <u>Refer to NJAC 7:9A-7.4</u>	one single family dwelling

**Table 95
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Townsend Mobile Home Park
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0086851
3. Discharge to ground water (DGW)	T-1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	
7. Operator of facility:	Betty Tutek
8. Location of facility:	Betty Tutek
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	Jacobstown - Cookstown Road
c. Block(s) and Lot(s)	Block 501, Lot 35
9. Location of discharge (approximated):	a. Longitude 74° 34' 58" W b. Latitude 40° 4' 27" N
10. Permitted Flow:	0.0025 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Mobile Home Park	9 mobile home units

**Table 96
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Victory Carwash
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0220418
3. Discharge to ground water (DGW)	DGW
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Voorhees Properties, LLC
7. Operator of facility:	Voorhees Properties, LLC
8. Location of facility:	
a. Municipality & County	New Hanover Township, Burlington County
b. Street address	18 Wrightstown Road
c. Block(s) and Lot(s)	Block 2.02, lot 5
9. Location of discharge (approximated):	a. Longitude 74° 34' 41" W b. Latitude 40° 2' 31" N
10. Permitted Flow:	unknown
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Car Wash	1 bays

**Table 97
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Vincentown Diner
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0112623
3. Discharge to ground water (DGW)	DGW
4. Receiving aquifer:	Vincentown Formation
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Vincentown Enterprises, LLC
7. Operator of facility:	Vincentown Enterprises, LLC
8. Location of facility:	
a. Municipality & County	Southampton Township, Burlington County
b. Street address	2357 Route 206
c. Block(s) and Lot(s)	Block 403, Lot 12
9. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 44' 10" W b. Latitude 39° 58' 16" N
10. Permitted Flow:	0.008 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	220
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

**Table 98
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Wading Pines Camping Resort
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0085715
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	Wading Pines Camping Resort, Inc.
7. Operator of facility:	Wading Pines Camping Resort, Inc.
8. Location of facility:	
a. Municipality & County	Washington Township, Burlington County
b. Street address	85 Godfrey Bridge Road
c. Block(s) and Lot(s)	Block 19, Lots 1 & 2
9. Location of discharge (approximated):	a. Longitude 74° 32' 42" W b. Latitude 39° 41' 17" N
10. Permitted Flow:	0.002 MGD
10. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	270 campsites, 3 bath houses, camp store, 2 RV pump stations
Other: <u>Refer to NJAC 7:9A-7.4</u>	0

Table 99 SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE	
1. Existing Facility:	Wagon Wheel Estates
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0105384
3. Discharge to ground water (DGW)	T1
4. Receiving aquifer:	Kirkwood Cohansey
5. Classification of receiving aquifer:	II-A
6. Owner of facility:	Lambert Properties, LLC
7. Operator of facility:	Lambert Properties, LLC
8. Location of facility:	
a. Municipality & County	North Hanover Township, Burlington County
b. Street address	46 Jones Mill Road
c. Block(s) and Lot(s)	Block 603, Lot 9
9. Location of discharge (approximated):	a. Longitude 74° 35' 44" W b. Latitude 40° 2' 53" N
10. Permitted Flow:	0.0041 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4</u> Mobile Home Park	41 units, 2 single family dwellings

**Table 100
SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT
(T-1 PERMIT) TREATMENT FACILITY TABLE**

1. Existing Facility:	Whitesbog Village-Brendan Byrne State Forest
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0133132
3. Discharge to ground water (DGW)	DGW
4. Receiving aquifer:	Cohansey formation
5. Classification of receiving aquifer:	I-PL (Preservation)
6. Owner of facility:	State of New Jersey - DEP
7. Operator of facility:	State of New Jersey - DEP
8. Location of facility:	
a. Municipality & County	Pemberton Township, Burlington County
b. Street address	80 North Whitesbog Road
c. Block(s) and Lot(s)	Block 898, Lot 1 and Block 899, Lot 1
9. Location of discharge (approximated):	a. Longitude 74° 30' 38" W b. Latitude 39° 57' 34" N
10. Permitted Flow:	0.0052 MGD
11. Summary of current population served identifying all wastewater generating uses:	
School: <u>Identify number of students and staff (specify cafeteria, labs, showers)</u>	0
Institution: <u>Identify number of beds</u>	0
Restaurant: <u>Identify number of seats</u>	0
Commercial: <u>Identify amount of square footage</u>	0
Campground: <u>Identify numbers of sites (specify if laundry, store, bathhouses)</u>	0
Other: <u>Refer to NJAC 7:9A-7.4 Picnic Parks (historic site)</u>	10 dwelling units

Section V. Facility Tables for Industrial Wastewater Treatment Plants

The following tables (101- 106) provide capacity analyses for existing industrial wastewater treatment facilities with either a DGW or DSW discharge permit.

DRAFT

**Table 101
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility	Burlington County Resource Recovery Complex	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0055395	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DSW	
4. Receiving water or aquifer:	Assiscunk Creek	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Burlington County Board of Chosen Freeholders	
7. Operator of facility:	Burlington County Board of Chosen Freeholders	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Florence Township, Burlington County	
b. Street address	Recovery Boulevard	
c. Block(s) and Lot(s)	Florence Township: Block 172.05, lots 16.01, 16.02, 17.01, 17.02 & 17.03; Block 173, lots 3.01, 4, 5, 6, 8.01, & 10; Block 174, lots 2, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 4.01, 4.02, & 7; Block 180 lot 8.02; Mansfield Township: Block 43, lot 6; Block 44, lots 2, 4, 5.01, 5.02, 5.05, 5.06, & 6; Block 45.01, lots 2.01, 2.02, 3.01, 3.02, 5, 6, 7, & 8; Block 45.03, lot 1	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 46' 7" W b. Latitude 40° 04' 10" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.07 MGD	
Total	0	0
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035) (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0	0.07
Infiltration /Inflow	0	0
Facility Total	0	0.07
This treatment facility is not currently operating.		

**Table 102
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility:			Burlington Generating Station	
2. New Jersey Pollutant Discharge Elimination System Permit Number:			NJ0005002	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:			DSW	
4. Receiving water or aquifer:			Delaware River	
5. Classification of receiving water or aquifer:			Zone 2	
6. Owner of facility:			PSE&G Fossil, c/o Corp Prop Department	
7. Operator of facility:			Public Service Electric and Gas	
8. Co-Permitee of facility (<i>where applicable</i>):			NA	
9. Location of facility:				
a. Municipality & County			Burlington City, Burlington County	
b. Street address			901 West Broad Street	
c. Block(s) and Lot(s)			Block 1, Lot 1 & 7; Block 94, lots 2.01 & 2.02	
10. Location of discharge:			State Plane Coordinates (NAD83 - USFEET) X: 386938; Y: 451157	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):			0.1 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):			Current (Year 2015) Population	Build-out
Total			0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:			Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow			0	0
Commercial flow			0	0
Industrial flow			0.1	0.1
Infiltration /Inflow			0	0
Facility Total			0.1	0.1
No DMR flow data was available for this plant.				

**Table 103
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility	Chatsworth Receiving Station	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0064998	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Protection)	
6. Owner of facility:	Ocean Spray Cranberries	
7. Operator of facility:	Ocean Spray Cranberries	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Woodland Township, Burlington County	
b. Street address	3917 Route 563	
c. Block(s) and Lot(s)	Block 4601, lots 2.2 and 2.3	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 32' 9" W b. Latitude 39° 48' 40" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.25 MGD	
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035)
Residential flow	0	
Commercial flow	0	
Industrial flow	0.043	0.25
Infiltration /Inflow	0	
Facility Total	0.043 MGD	0.25 MGD
Notes: Current facility total represents an average daily flow over the years 2012 through 2017.		

**Table 104
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility	Genie House	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0064971	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey	
5. Classification of receiving water or aquifer:	I-PL (Protection)	
6. Owner of facility:	Genie House	
7. Operator of facility:	Genie House	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Southampton Township, Burlington County	
b. Street address	139 Red Lion Road	
c. Block(s) and Lot(s)	Block 2202, lot 4.03	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 44' 39" W b. Latitude 39° 53' 48" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	No flow limit. Report only.	
12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2014) Flow (in MGD)	Build-out or 20-Year Future (Year 2035) (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.00056	0.00056
Infiltration /Inflow	0	0
Facility Total		
Notes: Sanitary waste is discharged to a separate onsite disposal field that is not regulated by NJDEP. Flow is an average of reported values from 2002 to 2014. More recent data was not available.		

**Table 105
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility	Hoeganes	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0105252 & NJ0004375	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW & DSW	
4. Receiving water or aquifer:	Potomac Formation (DGW) & unnamed trib to Delaware River (DSW)	
5. Classification of receiving water or aquifer:	II-A & FW2-NT	
6. Owner of facility:	Hoeganaes Corporation	
7. Operator of facility:	Hoeganaes Corporation	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Cinnaminson Township, Burlington County	
b. Street address	1001 Taylors Lane	
c. Block(s) and Lot(s)	Block 610, lot 3	
10. Location of DGW discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 59' 3" W b. Latitude 40° 1' 28" N and	
Location of DSW discharge	a. Longitude 74° 59' 25" W b. Latitude 40° 1' 20" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.635 MGD (DSW)	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.0286	0.635
Infiltration /Inflow	0	0
Facility Total	0.0286 MGD	0.635 MGD

Notes: There is no sewer service area associated with this discharge on the future wastewater service area map. The facility is mapped as a point source discharge only. The industrial wastewater only is treated and discharged on this site. Sanitary wastewater is discharged to the Cinnaminson Township DTW; therefore, the site is mapped as part of the Cinnaminson DTW sewer service area.

The DSW discharge is permitted as an intermittent discharge for "Plant Water Balance". As the industrial facility is not currently operating, no discharges are included in this facility table. The DGW flow is effluent not discharged to the Cinnaminson Sewerage Authority collection system, and is associated with a small office building and a small research facility onsite.

Current flow is the highest 12-month average daily maximum (DGW) for the period 2011- 2016.

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**Table 106
INDUSTRIAL TREATMENT FACILITY**

1. Existing Facility	Viking Yacht	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0106780	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Cape May Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Viking Yacht and Marina	
7. Operator of facility:	Viking Yacht and Marina	
8. Co-Permittee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Bass River Township, Burlington County	
b. Street address	5738 Route 9	
c. Block(s) and Lot(s)	Block 26, lots 2, 2A, 2B, 2C, & 8	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 26' 20" W b. Latitude 39° 35' 25" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.025 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2015) Population	Build-out
Total	0	0
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	Build-out (in MGD)
Residential flow	0	0
Commercial flow	0	0
Industrial flow	0.0103	0.0250
Infiltration /Inflow	0	0
Facility Total	0.0103 MGD	0.0250 MGD
Notes: Current flow represents the average daily maximum for the five year period 2010-2015. Full build-out flow represents the design capacity of the discharge lagoons and do not represent any plans for expansion of the industrial use.		

Section VI. Facility Tables for Unassigned Sewer Service Areas

The following tables (107- 115) provide an estimate of the capacity needed for eligible, but unassigned sewer service areas within a number of municipalities. Not all municipalities contain unassigned sewer service areas.

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**Table 107
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Bass River Township Pinelands Village of New Gretna	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Bass River Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Total	683	1,069
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (not connected)	Future Potential Total Development
<u>Municipality:</u> Bass River Township		
Residential flow	0.0711	0.1113
Commercial flow	0.0045	0.0132
Industrial flow	0	0
Facility Total	0.076 MGD	0.124 MGD
<p>Notes: This table covers unassigned sewer service area for the Pinelands Village of New Gretna. In New Gretna, there are 237 existing dwelling units, approximately 45321 sq.ft. of existing commercial structures, plus 50 gal/bay at 2 bay volunteer fire company in addition to the potential development at build-out.</p> <p>Existing development estimates of dwelling units and commercial square footage are based on 2014 tax data and review of 2010 air photo.</p> <p>Population estimates are based on DVRPC estimates of 2.88 pop/du applied to the total number of existing and future potential dwelling units in the Village only. Final product (population) is rounded up.</p>		

**Table 108
ONSITE DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility	Burlington County Fairgrounds	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Wenonah Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Burlington County Board of Chosen Freeholders	
7. Operator of facility:	Burlington County Board of Chosen Freeholders	
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Springfield Township, Burlington County	
b. Street address	1990 Jacksonville - Jobstown Road	
c. Block(s) and Lot(s)	Block 9.01, lots 1.01, 1.02, 1.03, & 33	
10. Location of discharge (i.e., degrees, minutes, seconds):	a. Longitude 74° 43' 50" W b. Latitude 40° 02' 19" N	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0 MGD	
Total	0	0
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035) (in MGD)
Residential flow	0	0
Commercial flow	0	1.0
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0	1.0 MGD
There are no current plans to construct this potential wastewater plant. The projected flow is a potential daily maximum at full site build-out of the fairgrounds.		

**Table 109
ONSITE DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility	Columbus Center	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	unknown	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:		
7. Operator of facility:		
8. Co-Permittee of facility (<i>where applicable</i>):	NA	
9. Location of facility:		
a. Municipality & County	Mansfield Township, Burlington County	
b. Street address	N/A	
c. Block(s) and Lot(s)	N/A	
10. Location of discharge (i.e., degrees, minutes, seconds):		
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0 MGD	
Total	0	0
*12. Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Current (Year 2015) Flow (in MGD)	20-Year Future (Year 2035) (in MGD)
Residential flow	0	0.0600
Commercial flow	0	0.0085
Industrial flow	0	0.0000
Infiltration /Inflow	0	0.0000
Facility Total	0	0.0685

The data provided in this table is taken directly from the adopted Mansfield Township wastewater management plan and no updates or changes are proposed in the County-wide plan.

**Table 110
DOMESTIC TREATMENT FACILITY**

1. Proposed Facility:	Medford Township Regional Growth Area, Unassigned	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey	
5. Classification of receiving water or aquifer:		
6. Owner of facility:	N/A	
7. Operator of facility:	N/A	
8. Co-Permitee of facility (<i>where applicable</i>):	N/A	
9. Location of facility:		
a. Municipality & County	Medford Township, Burlington County	
b. Street address		
c. Block(s) and Lot(s)	N/A	
10. Location of discharge (i.e., degrees, minutes, seconds):	N/A	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0 MGD	
*12. Summary of population served/to be served (no major seasonal fluctuations apply):	Current (Year 2016) Population	Build-out or 20-year Future (Year 2035)
Total	3,902	4,669
*13 Summary of wastewater flow received /to be received as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (Not Connected)	Future Flow Total (MGD)
Municipality: Medford Twp Regional Growth		
Residential flow	0.411	0.492
Commercial flow	0.008	0.009
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.417 MGD	0.500 MGD
<p>Note: There are no plans to develop this wastewater treatment facility and sewage collection system. Current flow represents existing development in this unassigned sewer service area and includes 1,369 dwelling units and 77,700 square feet of commercial development.</p> <p>Current population is estimated from the existing 1369 dwelling units and 7,083 SF of commercial development in this proposed sewer service area. Future population includes a build-out potential of 269 more dwelling units. The DVRPC estimate of 2.85 persons per dwelling unit was applied to the existing and potential dwelling units.</p>		

**Table 111
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Shamong Township - Regional Growth & Pinelands Village Areas	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Shamong Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Total:	2,985	3,129
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (MGD)	Build-out (MGD)
Residential flow	0.299	0.313
Commercial flow	0.017	0.279
Industrial flow	0.005	0.0501
Infiltration /Inflow	0	0
Facility Total	0.3201 MGD	0.642 MGD

Notes: This table covers the Regional Growth Management Area and the Pineland Village of areas of Shamong Township. No centralized wastewater treatment facility is currently proposed to serve this area. However, this table presents the capacity that would be required if the entire area were to be connected to a single wastewater treatment plant.

Population estimates are based on DVRPC estimates of 3.00 pop/du applied to the total number of existing and future potential dwelling units. Final product (population) is rounded up and represents only the population of the Regional Growth and Village areas.

The Existing Development is not connected to any centralized wastewater treatment facility. Existing Development includes 995 dwelling units and 146,000 SF of commercial space, 800 seats in assembly halls, and 46,130 SF in industrial property class space.

**Table 112
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Southampton Township Regional Growth	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Southampton Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Total:	404	859
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (MGD)	Build-out (MGD)
Residential flow	0.0555	0.118
Commercial flow	0.0013	0.0013
Industrial flow	0	0
Infiltration /Inflow	0	0
Facility Total	0.0568 MGD	0.119 MGD

Notes: This table covers the Regional Growth Management Area of Southampton Township. No centralized wastewater treatment facility is currently proposed to serve this area. However, this table presents the capacity that would be required if the entire area were to be connected to a single wastewater treatment plant.

Population estimates are based on DVRPC estimates of 2.18 pop/du applied to the total number of existing and future potential dwelling units. Final product (population) is rounded up and represents only the population of the Regional Growth areas.

The Existing Population is not connected to any centralized wastewater treatment facility. It includes 185 dwelling units and 13036 SF of commercial space (no industrial.)

**Table 113
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Tabernacle Township - Pinelands Village & Regional Growth Areas	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Tabernacle Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Total:	3,335	4,493
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (MGD)	Build-out (MGD)
Residential flow	0.344	0.463
Commercial flow	0.028	0.142
Industrial flow	0.0006	0.1877
Infiltration /Inflow	0	0
Facility Total	0.372 MGD	0.792 MGD

Notes: This table covers the Regional Growth Management Area and the Pineland Village of Tabernacle in Tabernacle Township. No centralized wastewater treatment facility is currently proposed to serve this area. However, this table presents the capacity that would be required if the entire area were to be connected to a single wastewater treatment plant.

Population estimates are based on DVRPC estimates of 2.91 pop/du applied to the total number of existing and future potential dwelling units. Final product (population) is rounded up and represents only the population of the Regional Growth and Village areas.

The Existing Development is not connected to any centralized wastewater treatment facility. The existing development includes 1145 dwelling units, 6100 SF of industrial (property class 4B), and 243,293 SF of commercial (property class 4A), plus 1050 seats in assembly halls.

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**Table 114
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Washington Township - Pinelands Villages	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	Washington Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Municipality: Washington Township	424	522
Total	424	522
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (MGD)	Total Build-out (MGD)
<u>Municipality:</u> Washington Township		
Residential flow	0.068	0.088
Commercial flow	0.005	0.005
Industrial flow	0.008	0.008
Facility Total	0.081 MGD	0.101 MGD
<p>Notes: This table covers Pinelands Villages. There are an estimated 228 dwelling units in the Village areas; 79,426 sf of industrial development; and 49,518 sf of commercial development existing in this unassigned sewer service area. No flow is attributed to the existing, closed school building.</p> <p>Population estimates are based on DVRPC estimates of 2.88 pop/du applied to the total number of existing and future potential dwelling units in the Villages only. Final product (population) is rounded up.</p>		

**Table 115
DOMESTIC TREATMENT FACILITY**

1. Proposed/Potential Facility:	Woodland Township Pinelands Village of Chatsworth	
2. New Jersey Pollutant Discharge Elimination System Permit Number:	Not Applicable	
3. Discharge to ground water (DGW) or surface water (DSW) or T1:	DGW	
4. Receiving water or aquifer:	Kirkwood Cohansey Aquifer	
5. Classification of receiving water or aquifer:	I-PL (Preservation)	
6. Owner of facility:	Not Applicable	
7. Operator of facility:	Not Applicable	
8. Co-Permittee of facility (<i>where applicable</i>):	Not Applicable	
9. Location of facility:		
a. Municipality & County	woodland Township, Burlington County	
b. Street address	Not proposed	
c. Block(s) and Lot(s)	Not proposed	
10. Location of discharge (i.e., degrees, minutes, seconds):	Not proposed	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	Not Applicable	
*12. Summary of population (no major seasonal fluctuations apply):	Existing Population	Future Population at build-out
Municipality: Woodland Township	464	835
*13 Summary of wastewater flow as a 30-day average for DSW or a daily maximum flow for DGW:	Existing Development (not currently connected)	Future Potential Total Development
Municipality: Woodland Township		
Residential flow	0.0342	0.0615
Commercial flow	0.0027	0.0027
Industrial flow	0.0000	0.0000
Facility Total	0.0369 MGD	0.0642 MGD
Notes: This table covers the Pinelands Village of Chatsworth.		
Population estimates are based on DVRPC estimates of 4.07 pop/du applied to the total number of existing and future potential dwelling units in the Villages only. Final product (population) is rounded up.		
Existing development includes an estimated 114 dwelling units in the Village area; 27,205 sf of commercial development, plus 140 seats in assembly hall, and a 2-bay fire station existing in this unassigned sewer service area.		

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IV. Future County Wastewater Demand

The County of Burlington is the largest county in New Jersey and has forty municipalities. It encompasses the gamut of land uses from its urban/suburban northwestern edge along the Delaware River to its rural and wooded south and east. Twelve of its municipalities are located partially or wholly within the Pinelands Protection Area. Several are designated “urban” communities as defined by the Department of Environmental Protection (DEP) water quality management rules. This land use diversity caused a need to use two methodologies when preparing the build-out and capacity analyses that are included in this document, an urban methodology and a non-urban build-out methodology. The build-out results of sewer service areas quantifies the need for wastewater treatment. Build-out in non-sewer service areas (individual systems) defines the impact to groundwater quality.

This chapter describes the build out methodology used to calculate existing wastewater flows for assigned sewer service areas (SSAs with a permitted treatment facility), as well as project future wastewater treatment demand for assigned and unassigned sewer service areas within the County. In general, municipal zoning standards were applied to the developable area within the sewer service area and septic service area of each municipality after removing those areas where development is not expected to occur. The non-urbanized build out methodology clipped preserved lands (open space and farmland), wetlands, steep slopes, riparian zones to leave buildable, tax parcel based polygons. Due to the character of Burlington County ranging from old, urbanized sections to rural areas, we applied different methodologies depending on the urban or non-urban character of the municipality. This text discusses those methodologies in more detail below.

Conformance and Nonconformance with Zoning and Prior Land Use Approvals

The build-out analyses performed for this plan conformed to the current zoning. The analyses did not use prior land use approvals to generate demand. The analyses conformed to zoning rules including not only undeveloped parcels, but also to the extent that parcels in zoning districts where residential subdivisions were completed at a density less than the current zoning, remaining build-able acreage was evaluated. However, due to the nature of the residential development, the density permitted by the current zoning standards is only likely to occur in instances of total redevelopment. Most of these residential subdivisions are less than thirty-years (30) old and are therefore unlikely to be re-developed at the maximum density. Thus, in some instances demand may be overstated.

Zoning maps are provided for each municipality (**Maps 4M-1 through 4M-40.**) These maps represent the zoning parameters that were used to evaluate future demand for each developable parcel in any particular zoning district. The zoning maps were updated to 2014. Any district boundary or bulk standard changes that may have occurred after 2014 may not be reflected in the mapping or in the build-out analysis and future demand results. A county-wide map of zoning districts is not included as the scale renders the map illegible.

Calculating Future Wastewater Needs and Capacity

Existing Development

For each assigned sewer service area, the County identified the existing wastewater flow using the highest consecutive 12 months rolling average over the most recent five-year period preceding development of the WMP, as reported in the Discharge Monitoring Reports required pursuant to N.J.A.C. 7:14A-6.8 for each facility.

The analysis of future wastewater flow also added estimated flow for existing development within the assigned and unassigned sewer service areas, which is not yet connected to the treatment facility. These flows are currently discharging to septic system. Methodology to determine these wastewater flow totals is described below.

Using the Countywide information provided above regarding existing wastewater facilities, sewer service area delineation, environmentally sensitive areas, and municipal zoning to project build-out or 20-year growth projections for the listed urban municipalities, an analysis of wastewater demands was performed to determine whether existing infrastructure capacity is sufficient to meet the needs of the projected development based on municipal zoning. Where zoning restricts development so that wastewater treatment capacity is available and where mapped sewer service does not conflict with the environmentally sensitive areas, no further action is needed. Where the demand projections exceed available wastewater treatment capacity, either the projections could be reduced (such as through a reduced sewer service area or reduction in zoning density) or capacity could be increased, or sewer service could be transferred to a treatment plant where capacity exists under its current NJPDES permit.

Under the WQMP rules adopted in November 2016, the WMP may be adopted where a gap in capacity has been identified, but strategies to address the gap will be discussed in a later chapter of this plan. This WMP discusses those strategies both in the summary and below in the Strategies section of this Chapter. Nonetheless, the rules do not change the required methodology for the build-out analysis. The methodology in non-urbanized municipalities applies zoned density to all developable parcels and projects future additional development based on the permitted uses in any particular zoning district. The methodology restricts water and wetlands from the developable area, so it would not generate additional development. The methodology used in urbanized municipalities is based on projected population and employment growth.

Sections below further explain specific methodologies used in Burlington County to project future demand for treatment plant capacity and septic/nitrate dilution. The methodologies in non-urbanized municipalities of Burlington County apply zoning parameters to tax parcels. The methodology does not use composite zoning. For mapping purposes only, the plan created composite zones based on residential density ranges or on industrial or commercial zoning districts. A composite zoning map for the entire County is shown in Map 4. Individual maps of each municipality are included in Appendix so that reviewers can see zoning districts in more detail.

Wastewater Demand Projections in Urbanized Municipalities' Sewer Service Areas

The Water Quality Management Planning rules define urbanized municipalities as municipalities where 90 percent of the municipality's land area appears as Urban Lands on the most recent Land Use/Land Cover GIS database. Urbanized municipalities also include those municipalities identified as "Urban Aid" pursuant to the New Jersey Redevelopment Act, N.J.S.A. § 55:19-20 et seq.; as an "Urban Enterprise Zone" pursuant to the New Jersey Urban Enterprise Zones Act, N.J.S.A. 52:27H-60 et seq.; as a "Garden State Growth Zone" municipality pursuant to the New Jersey Economic Opportunity Act of 2013, N.J.S.A. 52:27D-489p et seq.; and as Transit Villages approved by the New Jersey Department of Transportation and NJ Transit. Table 116 lists the applicable municipalities that meet NJDEP's definition of urbanized municipality. In these municipalities it is assumed that redevelopment of a portion of the municipality will make up the majority of the future wastewater management needs. Therefore, an application of zoning to the undeveloped and developable land area of the municipality in these municipalities may underestimate their future wastewater management needs. In these municipalities, we estimate a 20-year wastewater demand based on population and employment projections. The urban build-out analysis is not parcel based. It is projected from population growth estimates. In these municipalities it is assumed that redevelopment of previously developed portions of the municipality will make up the majority of the future wastewater management needs. Therefore, an application of zoning to the undeveloped and developable land area of the municipality in these municipalities may underestimate

their future wastewater management needs. The WMP takes population estimates from statistics prepared by the Delaware Valley Regional Planning Commission (DVRPC). This plan applies urbanized methods to the Borough of Medford Lakes and the City of Riverton. Although Pemberton Township qualifies as urbanized due to its inclusion as an Urban Enterprise Zone, this plan applies non-urbanized methodology, as it is more reflective of expected growth in Pemberton Township.

The urban methodology applies only to municipalities designated as “urbanized” pursuant to the Water Quality Management rules adopted in November 2016, as previously described. Future wastewater is calculated by multiplying the population increase projected within a 20-year planning horizon from the date of WMP preparation, by a value of 75 gallons per capita per day and adding commercial flow based on estimated job growth (also from DVRPC projections.)

Table 116 lists the municipalities that meet NJDEP’s definition of urbanized municipality.

Table 116. Urbanized Municipalities				
Municipality	% Urban	Urban Aid	Urban Enterprise Zone	Garden State Growth Zone
Medford Lakes Borough	99%			
Riverton Borough	97%			
Pemberton Township			X	

Table 117, below, provides an analysis of the population projection through the year 2035 for the two municipalities where the urban analysis was applied to project wastewater treatment capacity demand. The data below do not differentiate among different wastewater treatment facilities that may serve individual municipalities, but only offer total projections for each municipality. Demand allocation to the types of uses (residential, commercial, and industrial) is expected to remain stable within each municipality. Please review facility tables in Chapter III regarding any minor fluctuation in the allocation.

Table 117. Urban Municipalities 20 Year Population and Employment Projections				
Municipality		(2010)	20 Years (2035)	% Change
Medford Lakes Borough	Population	4,146	4,185	0.9%
	Employment	703	710	1%
Riverton Borough	Population	2,779	2,790	0.4%
	Employment	738	741	0.4%
The data above are taken from projections prepared by the Delaware Valley Regional Planning Commission for the period 2010 to 2035.				

Wastewater Demand Projections in Non-Urban Municipalities' Sewer Service Areas

In the remaining municipalities, this planning effort assumes that development of vacant land will be the predominant factor in determining future wastewater treatment needs. Further, because external market and economic forces, such as interest rates, are a dominant factor in determining the rate of construction, this analysis assesses the ability to provide wastewater treatment while protecting surface and ground water quality for the entire projected build-out allowable by zoning.

The methodology applied was a parcel-based. "Available land" includes both undeveloped and underdeveloped parcels. "Underdeveloped" parcels are those where some level of development exists, but at a density that is less than allowed by zoning and where deed restrictions do not prevent further development.

The parcel-based analysis uses Geographic Information System tools to generate a list of undeveloped and underdeveloped parcels. "Undeveloped" parcels are those where no development exists and the land has not been restricted from development through dedicated open space or agricultural preservation programs. The process first applies parcel mapping to the sewer service areas. This step clips out roadways. The second step uses DEP Land Use/Land Cover mapping to remove portions of the parcels that are currently mapped as "urban lands". Next, the method removes water and wetlands of DEP Landscape Version 3.1 from the remaining parcels to leave the area available for future development. Following these "clips", the method removes all preserved lands from the developable acreage. Preserved lands include preserved farmlands, open space, and common areas of residential developments where tax information shows it has been set aside for density. The method then associates municipal zoning to each parcel. In sewer service areas, all parcels are then associated with a wastewater treatment facility. A visual inspection of the remaining mapped parcels relative to more recent (2015) air photo coverage to remove parcels that were developed after the Land Use/Land Cover mapping was created. Finally, this visual inspection removes parcels that are configured in a way that would not permit additional development. For example, the previous steps may have created a very narrow side yard "buffer" strip on an existing residential lot and that strip does not present a viable configuration for additional development. All remaining developable areas are merged by tax lot, but not across zoning boundaries or across HUC-11 boundaries. The resulting parcel data is exported to Excel for application of municipal zoning standards.

We note that build-out numbers by this methodology do not address existing development that may be located in a Sewer Service Area (assigned or unassigned), where that development is not yet connected. As required by the wastewater planning rules, this existing, unconnected development is included in the evaluation of treatment plant capacities. We tabulated existing development from tax parcel data along with digitizing building extent of non-residential development. The capacity analysis reflects the results in that future projected flow includes both estimated flow from parcels that could be developed and estimated flow from existing development that is not currently connected. It is particularly important to the capacity analyses in Medford and in Southampton Townships.

These two municipalities contain Future Sewer Service Areas that are in Pinelands Regional Growth Management Areas where a treatment plant has not been assigned or identified to serve the Future Sewer Service Area. The build-out and capacity analyses for these towns contain tabulations of the necessary capacity to address the total build-out of those future sewer service areas and label them "Southampton Regional Growth" and "Medford Regional Growth." Across the county-wide map that is also submitted herewith, similar labels are used for any areas inside the Pinelands Protection Area where a treatment plant has not been assigned or identified, but where sewers would be permitted if they became available to serve existing and future development.

The mapping and build-out described for the Pinelands Future Wastewater Service Area is applied based on a Memorandum of Understanding between the DEP and the Pinelands Commission. The

Memorandum specifies that all areas located in Pinelands designated Regional Growth, Village or Town management areas shall be mapped as future sewer service area.

Septic System Development within the Sewer Service Areas

Individual subsurface sewage disposal systems (ISSDS) for individual residences can only be constructed in depicted sewer service areas if legally enforceable guarantees are provided, before such construction, that use of such systems will be discontinued when the depicted sewer service becomes available. This applies to ISSDS that require certification from the Department under the Realty Improvement Sewerage and Facilities Act (N.J.S.A. 58:11-23) or individual Treatment Works Approval or New Jersey Pollutant Discharge Elimination System Permits (under N.J.A.C. 7:14A). It also applies to ISSDS (septic systems) which require only local approvals.

Non-degradation Areas

Areas located within the watershed of a Freshwater One (FW1) stream, as classified in the Surface Water Quality Standards, and/or that have Class 1-A ground water (Ground Water of Special Ecological Significance), as classified in the Ground Water Quality Standards, are identified as "Non-degradation water area based on the Surface Water Quality Standards at N.J.A.C. 7:(B, and/or the Ground Water Quality Standards at N.J.A.C. 7:9-6". There are is 1 (one) FW1 streams in Burlington County and no Class 1-A ground water aquifers occur in Burlington County. The FW1 stream is located in a State Forest area and does not have any development pressure associated with the protected segment. However, groundwater in the Pinelands area is classified as Class I-PL. Class I-PL groundwater is subject to the standards of the Pinelands Comprehensive Management Plan that include non-degradation standards and nitrate dilution standards for site-specific development.

Wastewater Treatment Plant Capacity Analyses

Assigned Sewer Service Areas

The next step in the wastewater management planning process is to assess whether there is sufficient wastewater treatment capacity to meet the needs of the County based on the projections described above. For sewer service areas this requires the aggregation of municipal wastewater projections by sewage treatment plant and a comparison of the projected future demand to the existing permitted capacity of the sewage treatment plant. Where the potential demand is greater than the permitted flow, it constitutes a potential capacity deficiency.

If the build-out analysis indicates that projected wastewater generated by the assigned SSA is greater than the capacity of the treatment facility, the wastewater management plan may still be adopted. The plan should lay out possible strategies for resolving the difference between demand and capacity. Where a sewage treatment plant does not have sufficient remaining capacity to meet the future wastewater needs of the service area, any or all of three possible solutions could be implemented. If the utility and/or the municipality were to choose to implement them, those options are: 1) reduce the proposed sewer service area, 2) reduce the intensity of development within the sewer service area, or 3) demonstrate that the sewage treatment plant can be expanded without violating water quality standards.

Table 116 provides a breakdown of sewer service demand for each public wastewater treatment plant based on the development projections provided by the build-out analysis. The final column determines whether facility capacity is or is not adequate for the projected flows. Further details of the capacity for all wastewater treatment facilities in the County are included in Chapter III.

The table reflects the results of the build-out analyses for the various sewer service areas. In some cases, these areas sewer service areas are split between urbanized and non-urbanized areas and thus do not directly correlate with estimated build-out in dwelling units or square footage. In addition, future flows may include existing, non-connected development, such as assembly halls or gas stations, where flow is based on seats or filling stations, not on square footage.

As a separate issue, Burlington Township and Florence Township offered different flow factors for certain industrial zoning districts in Burlington Township. NJDEP staff accepted those flow factors which were used for portions of the sewer service areas of the Florence Township and the Central Avenue wastewater treatment plants. These factors should be considered when comparing square footage to projected flow or dwelling units to projected flow. It should be recognized that these figures might not simply apply a 1 unit per 300 gallons or 0.1 gallons per square foot per day flow factor to all development.

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Table 118. Capacity Summary for Major Domestic Discharges

Domestic Wastewater Treatment Facility or Non-Sewer Service Area	NJPDES Permit No.	Municipalities Served	Existing Flow (MGD)	Projected Additional Flow (MGD)	Total Future Planning Flows (MGD) ¹	NJPDES Permitted Flow (MGD)	Surplus or (Deficiency)
Beverly City	NJ0027481	Beverly City	0.480 (48%)	0.135	0.615	1	0.386
Blacks Creek STP	NJ0024678	Bordentown City, Bordentown Township	2.069 (69%)	0.582	2.651	3	0.349
Burlington City WWTP	NJ0024660	Burlington City & Burlington Township	1.769 (66%)	0.105	1.874	2.7	0.826
Central Avenue WWTP	NJ0021709	Burlington Township	2.322 (64%)	0.581	2.903	3.65	0.747
Cinnaminson Sewerage Authority	NJ0024007	Cinnaminson Township	1.385 (69%)	0.069	1.454	2.0	0.546
Delaware #1 WPCF	NJ0026182	Camden City	57.680 (72%)	1.378	N/A	80	N/A
Delran Sewerage Authority	NJ0023507	Delran Township	2.255 (90%)	0.166	2.421	2.5	0.079
Elmwood WWTP	NJ0024031	Evesham Township	2.031 (68%)	0.177	2.208	2.978	0.770
Fieldsboro WWTP	NJ0031810	Fieldsboro Borough	0.065 (65%)	0.0	0.065	0.1	0.035
Florence Township STP	NJ0023701	Florence Township	1.531 (61%)	0.750	2.281	2.5	0.219
Hartford Road - Mt Laurel MUA	NJ0025178	Mount Laurel Township	4.415 (74%)	0.976	5.391	6	0.609
Homestead at Mansfield	NJ0098663	Mansfield Township	0.161 (64%)	0.129	0.290	0.25	(0.040)
Kings Grant	NJ0029203	Evesham Township	0.407 (68%)	0.0	0.407	0.6	0.193
Mansfield Farms-Mapleton	NJ0108120	Mansfield Township	0.259 (80%)	0.077	0.335	0.324	(0.011)
Maple Shade Park Avenue	NJ0069167	Maple Shade Township & Cinnaminson Township	2.747 (81%)	0.030	2.777	3.4	0.623
Medford Lakes Borough	NJ0021326	Medford Lakes & Medford Township	0.389 (71%)	0.006	0.395	0.55	0.155

Medford Township	NJ0026832	Medford Township	1.319 (75%)	0.311	1.630	1.75	0.120
Moorestown Twp	NJ0024996	Moorestown Township	2.928 (75%)	1.101	4.029	3.88	(0.149)
Mt Holly MUA WPCF	NJ0024015	Mount Holly, Lumberton, Eastampton, Hainesport, p/o Westampton, p/o Moorestown	3.382 (44%)	2.222	5.604	7.675	2.071
Palmyra Sewage Treatment Plant	NJ0024449	Palmyra Borough & Riverton Borough	0.489 (47%)	0.132	0.621	1.05	0.429
Pemberton Township MUA STP	NJ0024821	Pemberton Twp & Pemberton Borough	1.988 (80%)	0.645	2.633	2.5	(0.133)
Pinelands Wastewater Company	NJ0023736	Southampton Township	0.307 (61%)	0.009	0.316	0.5	0.184
Riverside Reclamation Authority STP	NJ0022519	Riverside & Delanco	0.813 (81%)	0.062	0.875	1	0.125
Riverton WTP	NJ0021610	Riverton Borough	0.172 (78%)	0.001	0.173	0.22	0.048
USDOD-Joint Base MDL (US Army Fort Dix)	NJ0074284	New Hanover & Pemberton & North Hanover	2.45 (53%)	1.433	3.882	4.6	0.719
Wagner Youth Correc. Fac.	NJ0026719	Chesterfield Township	0.820 (63%)	0.075	0.895	1.3	0.405
Willingboro MUA WPCF	NJ0023361	Willingboro, Edgewater Park, Westampton(p/o), Delanco (p/o)	4.063 (78%)	0.787	4.850	5.22	0.370
Woodstream WWTP	NJ0024040	Evesham Township	1.014 (65%)	0.016	1.030	1.7	0.670
Wrightstown Borough STP	NJ0022985	Wrightstown Borough, Springfield Township	0.083 (25%)	0.013	0.096	0.337	0.241
Bass River Township Village Areas	N/A	Bass River Township	0	0.124	0.124	N/A	(0.124)
Burlington County Fairgrounds Proposed	N/A	Springfield Township	0	1.000	1.000	N/A	(1.000)
Columbus Center-Mansfield Twp Proposed	N/A	Mansfield Township	0	0.685	0.685	N/A	(0.685)
Medford Township Regional Growth	N/A	Medford Township	0	0.500	0.500	N/A	(0.500)
Shamong Township Regional Growth & Village Areas	N/A	Shamong Township	0	0.642	0.642	N/A	(0.642)
Southampton Township Regional Growth Area	N/A	Southampton Township	0	0.119	0.119	N/A	(0.119)

Tabernacle Township Village and Regional Growth Area	N/A	Tabernacle Township	0	0.792	0.792	N/A	(0.792)
Washington Township Village Area	N/A	Washington Township	0	0.101	0.101	N/A	(0.101)
Woodland Township Village Area	N/A	Woodland Township	0	0.064	0.064	N/A	(0.064)

Note: A percent value is provided in the “Existing Flow” column. This represents the percentage of the permitted volume that is being used under existing flow conditions. It does not represent percentage at projected build-out.

Unassigned Sewer Service Area Capacity Analyses

The Water Quality Management rules adopted November 2016 allow sewer service areas to be designated, but not assigned to a wastewater treatment facility. These sewer service areas are labeled “unassigned.” Within Burlington County contains large areas of unassigned sewer service area in the Pinelands Protection area where certain Management Areas are deemed eligible for sewer service. All areas of the Pinelands Regional Growth management area, Pinelands Towns and Pinelands Villages are eligible for sewer service. While there are no Pinelands Towns in Burlington County, there are Regional Growth areas and Villages. Within these Pinelands areas, the extension of sewers is allowed when all permits are obtained; however, there are no current plans to do so. If an applicant intended to extend sewers and/or construct a treatment facility, the applicant would be required to apply for all necessary permits and approvals. Those applications would include, but may not be limited to, applications to the Pinelands Commission, the New Jersey Pollution Discharge Elimination System (NJPDES) program at DEP and any local permits and approvals. The designation of these sewer service areas does not constitute a permit to construct sewer lines or treatment works facilities.

Adequacy of Sewage Treatment Plant Capacity

The facility tables in Chapter III provide detailed information on the planning flows for each treatment facility. Several facilities have projected flows beyond the current permitted capacity. Under the Water Quality Management rules adopted November 2016, it is not necessary to lay out the methods or specific expansion plans to accommodate the additional projected flow. Strategies must be included that would address the capacity deficiency at any particular facility. However, no immediate action is required and the facility working in concert with the affected municipalities and the Wastewater Planning Agency will address those needs through the NJPDES permit process if, or when, the projections are realized. The designation of these sewer service areas does not constitute a permit to construct sewer lines or treatment works facilities. Additional permits and approvals may be required.

The facilities listed in Table 119 below, have a projected demand at build-out that exceeds the currently permitted discharge volume. No action is required at this time; however, this table only indicates that additional capacity may be needed at these plants if all areas assigned for sewer services are developed and connected to these facilities.

Facility	Domestic (D) or Industrial (I)	DGW/ DSW	Existing Permitted Flow (MGD)	Future Flow Projection (MGD)
Moorestown Township WWTP	D	DSW	3.88	4.029
Pemberton Township MUA STP	D	DSW	2.5	2.633
Homestead at Mansfield	D	DSW	0.25	0.290
Mansfield Farms	D	DGW	0.324	0.335

Strategies to Mitigate Capacity Deficiency in Sewer Service Areas

Through the build-out and capacity analysis, several public domestic treatment works facilities were identified as deficient based on the current NJDPES permit for the plant. While these plants are currently operating within the limits of their assigned NJPDES permit, according to the parameters applied to potential (zoned) future development flows, these plants could eventually lack permitted capacity and measures would have to be taken to address that deficiency. Those identified facilities are listed above in **Table 119**.

Under the Water Quality Management rules at NJAC 7:15-4.5(b)5, this plan must include strategies to address potential deficiencies at those plants that are currently operating at 80% of permitted capacity. As shown in **Table 120**, the treatment plant operated by the Delran Sewerage Authority is operating at 90% of capacity. However, the Medford Township wastewater treatment facility and the Pemberton MUA treatment facility are both approaching 80% capacity. Those Townships and/or Utility Authorities have already or should begin to consider whether future development and build-out will actually result in a deficiency, if mitigating factors should be applied to the build-out results, or if other strategies should be taken to reduce flow or increase capacity.

Treatment Works Facility	Permitted Capacity (MGD)	80% of Permitted Capacity (MGD)	Current Flow (MGD)
Medford Township Wastewater Treatment Plant	1.75	1.4	1.39
Pemberton Township Municipal Utilities Authority	2.5	2.0	1.9878
Delran Sewerage Authority	2.5	2.0	2.255

In evaluating the capacity of the Medford Township wastewater treatment plant, flow analysis indicates infiltration and inflow reduction may afford additional capacity at the treatment facility. Calculated inflow using two different methodologies was estimated to be in the range of 0.145 to

0.15 MGD. This is approximately 8% of the permitted flow. The Township has recognized inflow and infiltration to be a significant issue in the past and has been performing numerous projects to reduce this flow. The Township has used manhole inserts and has completed sewer pipe lining projects. These projects have already begun to reduce infiltration and inflow such that the flow analysis did not include flows prior to the year 2012 when the repair work began.

Another opportunity for Medford Township to address potential future capacity deficit is to reconsider which areas of the Township should be designated to flow to the Medford Township wastewater treatment plant. The current mapping of the sewer service area for this plant includes a large estimated contribution from existing development, both residential and non-residential in character that is in the sewer service area, but is not currently connected to the treatment plant. Future projected flow that could come to the treatment plant from existing development in the mapped sewer service area adds 32,400 gpd in residential flow, 6,348 gpd in commercial flow, and 3,630 gpd in industrial flow. It may be appropriate to amend the sewer service areas to re-designate the receiving facility or to map the area as eligible for sewer service without assigning a treatment plant.

Evaluation of the capacity at the Delran Sewerage Authority plant found that it is currently discharging a flow that exceeds 80% of its permitted capacity. However, future demand is not expected to exceed the permitted volume of 2.5 MGD. Provided average flow continues as is, the Sewerage Authority may not necessarily be required to enact any strategies to reduce average flow. Alternatively, the Authority may wish to begin to address infiltration and inflow which is calculated to add approximately 0.192 MGD to the system on average based on the difference between average flow and average low flow. Routine maintenance and upgrades to the collection system to line or replace aging pipes and to replace manholes may generate a significant reduction in infiltration and inflow.

In evaluating capacity of the Pemberton Township wastewater treatment plant, it was also noted that reducing inflow and infiltration would afford additional capacity at the treatment plant. The engineer for the Municipal Utility Authority estimates that infiltration and inflow amounts to approximately 0.15 MGD or 7.7% of the highest 12-month average over the five year period 2010 to 2015. A second methodology indicates that the infiltration and inflow may account for an estimated 0.225 MGD during that same period. Initially, capacity could be increased by collection system repairs to reduce inflow and infiltration.

In addition, future capacity at the Pemberton MUA treatment plant is impacted by a large area that is designated for service by the plant, but where there are no current plans to extend sewers. As with the Medford Township plant, it may be appropriate to re-designate these areas on the eastern end of the mapped sewer service area so that they are shown to be eligible for sewer service, but will not be assigned to flow to the Pemberton plant.

If, in the future, additional capacity is created through treatment plant expansion, through improvements to the facility or the collections systems, or through the strategies listed below, these areas that are eligible for sewer service could then be added back to the mapped sewer service area for either of these treatment facilities. Strategies to address capacity deficit may reduce existing or projected flow and might include:

- water conservation ordinances and programs
- evaluating and reducing inflow and infiltration to the collection system
- disconnecting of roof leaders, sump pumps or other sources of inflow
- replacing/repairing manholes and checking for cross connections to storm sewers
- re-zoning to reduce potential development
- open space preservation

V. Nitrate Dilution – Non-Sewer Service Area

Septic Carrying Capacity in Non-Sewer Service Areas

In areas outside of sewer service areas, the wastewater management alternative is on-site discharge to groundwater of 2,000 gallons per day or less, commonly referred to as septic systems. The water quality management planning rules require an evaluation of the future capacity of groundwater to sustain a nitrate standard of 2.0 parts per million (PPM) over the area of a Hydrologic Unit Code 11 (HUC11) watershed where development will be served by individual subsurface disposal systems (ISSDS). The New Jersey Geological Survey prepared a model that assigns a density in acres of undeveloped land per future dwelling unit. That density is intended to sustain the nitrate standard over the area of the HUC11 watershed when considering future, additional development. Application of this density to the available, undeveloped acreage in the HUC11 watershed results in a total number of possible dwelling units that could be developed in that watershed without impairing groundwater quality and causing the nitrate concentration to exceed 2 PPM. The carrying capacity expressed as a number of units is compared with the projected build-out in the septic service area.

This plan used the following methodology to estimate acreage available for nitrate dilution in Burlington County. First, HUC11 boundaries and areas provided by NJDEP as a Geographic Information Systems (GIS) file were intersected with municipal boundaries to generate HUC11 acreage within each municipality. Then the “Urban” and “Water” classified polygons of the NJDEP Land Use/Land Cover data (2007) were removed. Finally, our methodology removes the sewer service areas from the available acreage. The method used for this plan retains non-hydric environmentally sensitive lands and preserved lands in the area available for nitrate dilution carrying capacity. The resulting final acreage in each HUC11 developable could allow a certain number of dwelling units based on the NJDEP/Geologic Survey carrying capacity. That number represents the carrying capacity of the watershed and it is compared to build-out within individual municipalities.

Wastewater Demand Projections in Non-Sewer Service Areas

This plan projects demand (build-out) in non-sewer service areas using the same methodology as was used in the sewer service areas, but with minor differences. Tax parcels are “clipped” to remove wetlands, water, and preserved land. In septic service areas, an additional step associates Hydrologic Unit Code 11 (HUC-11) with each remaining parcel. Zoning standards are applied to the remaining parcel-based areas to generate numbers of potential dwelling units permitted by the zoning or non-residential square footage.

In some septic service areas, municipal zoning may permit non-residential development. The analysis converts developable non-residential acreage to “equivalent dwelling units.” The method converts total developable acreage of non-residential area to square footage at the rate prescribed by the zoning ordinance. The square footage is multiplied by a wastewater flow factor of 0.125 gallons per day as per N.J.A.C. 7:14A. The total flow of the non-residential development then is divided by 500 gallons per day (500 gpd is the flow value for a 3-bedroom home utilizing a septic system as per N.J.A.C. 7-9A-7.4) resulting in a number of equivalent dwelling units. The method adds up residential dwelling units and equivalent dwelling units for a total projected “dwelling units” in the non-sewer service area for each municipality. Appendix A provides the results.

It should be noted that this plan includes non-sewer service demand projections for all municipalities in Burlington County, including those that are subject of a previously adopted wastewater management plan. This county-wide plan updates and supersedes those plans in regard to wastewater demand in non-sewer service areas.

Adequacy of Septic Carrying Capacity (Nitrate Dilution) in Septic Service Areas

This carrying capacity analysis compared the results of the build-out analysis with the number of equivalent dwelling units allowable according to the nitrate dilution model prepared by the New Jersey Geological Survey. Within that model, each watershed is expected to meet the groundwater quality standard of 2 ppm nitrate-nitrogen if density does not exceed a given value of acres per dwelling unit. This density may be described as the carrying capacity of that watershed with regard to development on septic systems. The model density for each watershed is for all soil types within the watershed. Therefore, environmentally sensitive and preserved lands are included in the available acreage for carrying capacity. Land use designations of water, wetlands, and developed lands are not included. It should be noted that existing development is not evaluated and localized areas of pre-existing development may not meet the 2 ppm nitrate standard.

The septic carrying capacity analysis uses an “equivalent dwelling unit” to equate commercial and industrial potential development to residential development for nitrate dilution purposes. An equivalent dwelling unit of non-residential development is calculated based on the projected square footage of non-residential build-out, multiplied by a factor of 0.125 gallons per sq. ft., the product of which is divided by 500 gallons for an equivalent dwelling unit. For example a projected 5,000 square foot office building would generate 500 gallons or one equivalent dwelling unit. Residential build-out units are not adjusted for equivalency; the number is taken directly from the build-out results.

To complete this comparison, it was first necessary to evaluate each HUC-11 to determine the remaining undeveloped acreage. Each municipality was broken into watershed areas so that total watershed acreage in that municipality could be tabulated. Using NJDEP land use/land cover from 2012, all developed lands, wetlands, and water were removed from the acreage available for nitrate dilution capacity. All future sewer service areas were also removed from the acreage available for capacity. In some urbanized areas, the removal of the sewer service areas from the dilution capacity may be a factor that results in the groundwater quality standard being exceeded. Where little land remains available for development, it may not technically meet the standard. However, sewer service areas really should not impact the nitrate concentration in the same way as septic system areas, unless it is also true that more nitrogen fertilizer is applied to turf areas in sewer service area. To avoid the questions of whether or sewer service areas could contribute to nitrate dilution capacity, sewer service areas were simply not included in the available acreage.

The build-out analysis methodologies in the ISSDS areas were completed using the same steps as described above for the sewer service areas. In brief, developable acreage within each HUC-11 and within each zoning district in that watershed was tabulated after removing developed land, wetlands, and water. The residential density or floor area ratio designated by the municipal zoning ordinance was applied to that tabulated acreage. All results were rounded down so that there were no partial dwelling units or equivalent dwelling units projected.

A number of municipalities have septic carrying capacity deficits based on potential build-out. The table below summarizes the results of the septic carrying capacity analysis for each watershed in the Burlington County. The carrying capacity acreage reflects total developable acreage in the watershed. The developable acreage does not include urban land, wetlands, or water.

Table 121. Summary of Septic Carrying Capacity Analysis by HUC-11 Watershed.

HUC 11 Code	Total Acres of HUC in County	Total Undeveloped Acres	Septic Density (ac./du)¹	Watershed Carrying Capacity²	Watershed Total Zoned Units	Carrying Capacity Exceeded	Municipalities Contributing to Deficit of Septic Carrying Capacity
02040201030	59.12	0.43	152.0	0	0	No	
02040201040	15095.17	5192.51	7.1	728	947	Yes	New Hanover, North Hanover, Wrightstown
02040201050	7709.57	3678.95	5.3	693	199	No	
02040201070	4581.07	1286.28	8.1	33	38	Yes	Chesterfield
02040201080	14932.83	8141.27	5.8	1402	393	No	
02040201090	18544.62	5636.27	6.7	837	4285	Yes	Mansfield, Florence, Bordentown Twp & Burlington Twp
02040201100	29395.75	10626.00	6.2	1710	1450	No	
02040201110	4585.41	166.03	8.2	19	181	Yes	Beverly, Burlington Twp.
02040202020	13623.62	4719.31	5.2	907	33	No	
02040202030	29751.17	17398.62	4.4	3953	54	No	
02040202040	23706.00	8054.18	6.1	1315	2039	Yes	Hainesport, Mount Holly, Pemberton Borough, Pemberton Twp, Southampton, & Westampton
02040202050	43914.12	21714.53	4.9	4429	1158	No	
02040202060	45210.75	8711.88	5.5	1581	1264	No	
02040202070	14433.41	3871.80	6.3	612	1138	Yes	Southampton, Mt. Laurel, Hainesport
02040202080	22638.60	1751.28	8.1	212	574	Yes	Willingboro, Westampton, Moorestown, Mount Laurel, Burlington Twp
02040202090	12722.24	1057.98	7.9	130	281	Yes	Delran, Cinnaminson, Moorestown
02040202100	16814.10	766.33	9.8	74	324	Yes	Moorestown, Cinnaminson, Evesham
02040202110	438.82	0.62	8.8	0	0	No	
02040301130	341.21	319.94	5.0	63	0	No	
02040301140	1256.14	1234.76	5.6	220	0	No	

02040301150	43448.43	26106.80	4.9	5326	277	No	
02040301160	19618.32	10227.33	5.4	1893	70	No	
02040301170	21748.86	9220.26	5.3	1739	0	No	
02040301180	28515.94	20103.34	4.5	4466	0	No	
02040301190	55491.10	33769.56	4.5	7502	12	No	
02040301200	36177.92	17248.57	5.3	3254	121	No	
02040301210	1073.79	0	7.6	0	0	No	

Notes:

1. **Septic Density:** This column contains the number of acres required per dwelling unit to meet the groundwater quality standard of 2 ppm NO₃ according to the Nitrate Dilution Model prepared by the New Jersey Geological Survey
2. **Watershed Carrying Capacity:** This column contains the maximum number of equivalent dwelling units that could be built in the future on individual subsurface septic disposal systems (ISSDS) and still meet the 2 ppm NO₃ standard. These totals are summed from the disaggregated municipal allowance for that watershed in that municipality. Disaggregation by municipality reduces the total number of allowable units as compared with aggregated acreage. If aggregated watershed developable acreage is used, the allowable units may increase slightly, but insufficiently to address any noted deficiency in carrying capacity.

DRAFT

Municipal Zoning Districts Impacted by Deficiency in Septic Carrying Capacity

Table 121, above, includes a column that annotates which municipalities in each watershed have zoning that contribute to a deficit in septic carrying capacity. The discussion below will provide more detail on the specific zoning districts in those municipalities where some mitigation strategy will be necessary to reduce the total number of equivalent dwelling units and maintain the groundwater quality of the watershed.

Bass River Township

All watersheds in Bass River Township have excess nitrate dilution capacity compared with potential build-out. Only one watershed is projected to have development served by onsite septic systems. HUC # 02040301200 is zoned for 121 equivalent dwelling units, but has the nitrate dilution capacity for 3013 equivalent units. Remaining watersheds with no zoned development include #02040301130 (63 allowed units), #02040301140 (220 allowed units), #02040301180 (2503 allowed units) and lastly #02040301210 (0 allowed units.)

Beverly City

The C-3 zoning district in Beverly appears to be zoned to allow 180,807 square feet of commercial development. This generates 45 equivalent dwelling units in HUC #020402021110 which has a nitrate dilution capacity of 1 unit.

Bordentown City

No zoning districts in Bordentown City are projected to have additional development to be served by onsite septic systems. The developable acreage would allow for dilution of one equivalent dwelling unit in HUC #02040201070.

Bordentown Township

In Bordentown Township, HUC #02040201090 includes the C, PO, REO and GC-1 zoning districts. The projected build-out of 4,519,912 square feet of commercial and/or industrial uses and 4 residential dwelling units (1134 equivalent dwelling units) exceeds the allowable 58 equivalent dwelling units. The carrying capacity of HUC # 0204020201080 is also not sufficient to meet the projected development of 52,603 square feet of commercial development in zoning districts CC and HC, along with 114 dwelling units in the C, PO, and R-20 zoning districts. This equates to a total of 217 equivalent dwelling units where the carrying capacity is 57 units.

Burlington City

Based on the build-out analysis, Burlington City has the potential for 7 equivalent dwelling units in HUC #02040201070. The I-1 zoning district appears to generate 28,556 square feet of light industrial use that translates to 7 equivalent dwelling units. This creates a deficiency in the nitrate dilution carrying capacity for the watershed where only 4 equivalent units would be allowed. The other HUC-11 watersheds in this municipality, #02040201090 and #02040201110 are not projected to have additional development that would be served by onsite septic systems.

Burlington Township

In Burlington Township, HUC #02040201090 zoning includes the I-2 zoning district. The projected build-out of 1,295,501 square feet of industrial uses is the equivalent of 323 dwelling units. These 323 equivalent dwelling units exceed the calculated carrying capacity of 20 equivalent dwelling units. Also in Burlington Township, HUC #02040201100 includes an additional 124,736 square feet

of commercial development in the B-1 zoning district, plus 107 residential units in the R-20 and R-40 zoning districts. The potential square footage is the equivalent of 31 dwelling units and with the zoned 106 dwelling units, the build-out exceeds the calculated carrying capacity of 57 dwelling units. Finally, HUC #02040202080 is zoned for a total of 184,041 square feet of potential commercial or industrial use in the B-2 and I-1 zoning districts, plus 2 dwelling units in the R-7.5 district. This is the equivalent of 48 dwelling units and that exceed the calculated carrying capacity of 6 dwelling units.

Chesterfield Township

The potential build-out of 27 equivalent dwelling units in HUC #02040201070 exceeds the septic carrying capacity of 19 units. These equivalent dwelling units equate to 99,799 square feet of commercial development in the OP zoning district and 3 dwelling units in the AG zoning district. The nitrate dilution capacity of the other HUC-11 watersheds (HUC #02040201040, #02040201050, #02040201080, #02040201090, and #02040201100) in Chesterfield Township is sufficient to carry the projected build-out on septic systems.

Cinnaminson Township

In Cinnaminson Township, HUC #02040202090 includes R2, R2-CL, R-3, R-4, and PUD (residential districts), along with BD, IND, and LI (commercial and industrial districts.) The projected build-out in this HUC is 209,231 square feet of commercial and/or industrial uses is the equivalent of 52 dwelling units, plus 85 dwelling units projected from the residential zoning districts. The total of 137 total equivalent dwelling units exceeds the calculated carrying capacity of 41 dwelling units. Also in Cinnaminson Township, HUC #02040202100 has a potential of 35,825 square feet of commercial development in the HC and BD zoning districts (8 equivalent dwelling units) and 66 dwelling units in the R-2A and R-3 districts. This total of 74 equivalent dwelling units exceeds the septic carrying capacity of 3 dwelling units.

Delanco Township

There are no areas of Delanco Township where the potential development using onsite septic disposal systems exceeds the carrying capacity of the one HUC-11 watershed (#02040202080) in that municipality with zoned potential for development on septic systems.

Delran Township

In Delran Township, HUC #20402002080 is zoned for a potential of 21 dwelling units in the A-1, R-1, and R-2 residential zoning districts. This projected build-out is less than the carrying capacity of 24 dwelling units. In HUC #02040202090, the projected build-out is for 38 equivalent dwelling units from the A-1 residential district (17 dwelling units) and 21 equivalent dwelling units from the H commercial district (84,553 square feet.) This exceeds the septic carrying capacity of 21 equivalent dwelling units. It should be noted that the minimum lot size in most of the residential districts is not feasible for a standard septic system.

Eastampton Township

The septic service area of HUC-11 #02040202040 in Eastampton Township has a nitrate dilution capacity of 93 equivalent dwelling units. The municipal zoning for this septic service area has a potential for 28 equivalent units. Likewise, the septic service area of HUC-11 #02040201100 has a carrying capacity of 23 equivalent dwelling units where the municipal zoning would allow the potential for 6. Therefore, the Township does not have a need to develop strategies to address a deficit in septic carrying capacity.

Edgewater Park Township

In Edgewater Park Township, there is no projected development to occur on septic systems. While neither HUC-11 watershed (#02040201110 or #02040202080) has any septic carrying capacity in this municipality, the build-out analysis also does not indicate the potential for an increase in septic systems in the Township.

Evesham Township

In Evesham Township, projected build-out exceeds the septic carrying capacity in HUC #02040202100. In this watershed, there are 103 potential additional dwelling units from the LD zoning district. The carrying capacity is limited to 23 equivalent dwelling units in this HUC-11 septic service area. The carrying capacity of other watersheds in Evesham Township is not projected to be adequate for the septic dilution of the potential build-out (HUC #02040202060, #02040202070, #02040202110, #02040301160.)

Borough of Fieldsboro

The results of the build-out analysis project no additional development on septic systems in the Borough. The carrying capacity of the remaining undeveloped land in Fieldsboro is not sufficient to allow any additional development using onsite septic disposal.

Florence Township

In Florence Township, HUC #02040201090 is zoned for a potential of 51 dwelling units in the AGR zoning district and 1,596,580 square feet (or 399 equivalent dwelling units) of commercial or industrial in the SM district. This watershed projected total of 450 equivalent dwelling units exceeds the capacity of 77 units. In the Township's portion of HUC #02040201100, it is zoned for 143 dwelling units in the AGR, plus 1,331,315 square feet of commercial/industrial development in the SM district and 187,241 square feet in the GM zoning district. The total of 522 equivalent dwelling units from all development exceeds the calculated carrying capacity of 144 units.

Hainesport Township

In Hainesport Township, HUC #02040202070 is zoned for a potential 142 equivalent dwelling units which exceeds the calculated carrying capacity of 139 units. The potential equivalent dwelling units come from the following zoning districts: R-1 (12 dwelling units), R-2 (31 dwelling units), RR-5 (56 dwelling units), O (138,285 sf or 34 equivalent units), and AC (35,707 sf or 9 units). The overall potential build-out in this watershed in Burlington County exceeds the nitrate dilution capacity of the remaining acreage. The other HUC-11 in Hainesport, HUC #02040202040, is zoned for a potential 40 dwelling units, almost exclusively in the R-2 zoning district, but with 2 units in the SC district. This build-out exceeds the carrying capacity of 36 units in the Hainesport portion of the watershed.

Lumberton Township

In Lumberton Township, HUC #02040202070 is zoned for a potential 80 equivalent dwelling units which does not exceed the calculated carrying capacity of 244 units. The potential equivalent dwelling units come from the following zoning districts: R-2.0 (6 dwelling units), RA/S (35 dwelling units), I-2 (83,103 sf or 20 units), and I-3 (74,528 sf or 18 equivalent units.) For HUC #02040202050, the remaining developable septic service area is zoned for a potential of 51 dwelling units with 2 in the R-2.0 and the remaining 49 units in the RA/S. This is less than the carrying capacity of 109 dwelling units. A portion of HUC #02040202060 is in Lumberton Township and has the calculated carrying capacity of 64 dwelling units. The build-out analysis for this watershed in Lumberton projects 46 equivalent dwelling units in the

RA/S district. This build-out is also less than the carrying capacity. The other HUC-11 in Lumberton Township, HUC #02040202040, is not zoned for any potential development on septic systems.

Mansfield Township

In Mansfield Township, HUC # 02040201090 is zoned for 2361 equivalent dwelling units which exceed the carrying capacity of 623 units. In this watershed, the ODL district build-out generated 2,782,025 SF, the LI district generated 2,684,822 SF, the HI district has a potential 673,345 SF and the C-2 has a potential 1,899,71 SF. This is the equivalent of 2009 dwelling units. The zoning district, R1, is residential and has a potential at build-out of 350 dwelling units and the C-3 district has a potential for two additional dwelling units in the septic service area. In HUC # 02040201100, there is a carrying capacity of 182 equivalent dwelling units remaining in Mansfield Township, but it is zoned for an additional 204 at build-out. The C-2 district is zoned for 464,849 SF or 116 equivalent units, the ODL district is zoned for 71,911 SF or 17 equivalent units and the R1 district is zoned for 70 additional residential units. Lastly, HUC # 02040201080 is not projected to exceed the carrying capacity of the watershed in Mansfield. The calculated carrying capacity is 80 units; whereas, the zoned build-out is 55 equivalent dwelling units.

Maple Shade Township

There is no projected development on septic systems in this municipality. Therefore the carrying capacity of the sole HUC-11 watershed (02040202100) is not impacted.

Medford Township

The projected build-out in this municipality does not exceed the carrying capacity of any of the HUC-11 watersheds where septic development may occur. In HUC #02040202060, there are a potential 371 equivalent dwelling units (63 residential and 252,578 SF) and a carrying capacity of 693. In HUC #02040202070, the build-out projects 30 dwelling units and the carrying capacity is 54. In HUC #02040301150, there is no additional development projected in the small area of watershed where no carrying capacity is available. Lastly, in HUC #02040301160, there is a potential for 1 equivalent dwelling unit and a carrying capacity of 121.

Borough of Medford Lakes

There is no projected development on septic systems in this municipality. Therefore the carrying capacity of the sole HUC-11 watershed (02040202060) is not impacted.

Moorestown Township

In Moorestown Township, HUC # 02040202100 is zoned for a potential 76 equivalent dwelling units which exceeds the allowable carrying capacity of 13 dwelling units. This is generated by a projected 261,359 SF (65 eq. units) in the SRI district and 11 residential units in the R2 district. For the watershed HUC # 02040202090, Moorestown is currently zoned to permit an additional 106 equivalent dwelling units. This reflects the build-out of the R1 district in the septic service area of that watershed. The carrying capacity in this watershed and township is calculated to be a maximum of 52 more units. The final HUC-11 watershed in Moorestown is HUC #02040202080. It has a carrying capacity of 52 equivalent units, but the zoning would allow for a potential 137 equivalent units. The potential units are projected based on build-out of the R-1 zoning district septic service area in this watershed.

Mount Holly Township

There is no projected development on septic systems in the HUC-11 watershed #02040201100 in Mount Holly. Therefore the carrying capacity of this HUC-11 watershed is not impacted. The other HUC-11 watershed in this township is #02040202040 with a carrying capacity of 12 equivalent dwelling units, but

a potential build-out of 328 units. The R1 zoning district is projected to have an 17 additional dwelling units at build-out and the I zoning district is projected to have 1,245,076 SF of industrial development or 311 equivalent units (328 total units.)

Mount Laurel Township

In Mount Laurel Township, HUC #02040202060 is not projected to have any additional development on septic systems and therefore, there is no impact to the nitrate dilution capacity in this watershed. For the watershed HUC # 02040202100, Mount Laurel is zoned for an additional 71 equivalent dwelling units which cannot be accommodated by the calculated carrying capacity of 30 units for the same acreage. This build-out is generated by a projected 25 potential dwelling units zoned in the R-3 district, 14 dwelling units in the R1D district, and 131,204 SF zoned in the Industrial district. In HUC #02040202070, the build-out analysis indicates a potential for 52 equivalent dwelling units in the septic service area of this watershed which has a carrying capacity of only 38 equivalent units. The 52 equivalent units are based on 32,582 SF (8 eq. du) in the NC district, 41 dwelling units in the R-3 zoning district and 3 dwelling units in R-8 zoning district. Lastly, HUC # 02040202080 is zoned for an additional 140 dwelling units which exceeds the calculated carrying capacity of 58 dwelling units for this same acreage. This build-out is generated entirely from residential zoning in the R-3 district.

New Hanover Township

There are three HUC-11 watersheds with septic service areas in New Hanover Township, #02040201040, #02040202020, and # 02040202040. Additional development is only projected for #0204020140. At 283 equivalent dwelling units, the potential development exceeds the carrying capacity of 268 units. The build-out analysis shows 59 dwelling units in the AR-10, 3 dwelling units in the R-40, 123,047 square feet of commercial development in the GC district, 259,812 SF in the NC district, and 501,976 SF in the VP district. The VP district is a mixed use district, allowing both residential and non-residential development. Following guidance from DEP, we estimated both residential and non-residential development potential during the build-out analysis. The carrying capacity analysis compares the type of use that generates the higher flow against the nitrate dilution number of allowed units. In this case, the non-residential build-out of the VP district was used. For the other two watersheds in New Hanover Township, no development is projected and those carrying capacities are in excess of what the municipality needs.

North Hanover Township

In North Hanover Township, HUC #02040201040 is zoned for 589 equivalent units based upon 528,733 SF (132 equivalent units) in the C-1 zoning district, 408,226 SF (102 equivalent units) in the C-2 district, 1,320,855 SF (330 equivalent units) in the IND district, 10 dwelling units in the R-1 district, 4 dwelling units in the R-2 district and 11 dwelling units in the R-A zoning district. This exceeds the carrying capacity for this watershed in this township where the capacity is 364 units. Strategies will be required to bring the potential development on septic down to the capacity of the watershed. Both HUC #02040201050 and #02040201080 have excess nitrate dilution capacity in North Hanover Township. In the former watershed, potential development is projected to be 100 equivalent units compared to the calculated capacity of 220. In the latter watershed, potential development is projected to be 26 equivalent units; whereas, the calculated capacity is 512 units.

Palmyra Borough

There is no projected development on septic systems in this municipality. Therefore, the carrying capacity of the three HUC-11 watersheds (#02040202090, #02040202100, and #02040202110) is not impacted.

Pemberton Borough

The HUC #02040202040 in Pemberton Borough has a potential build-out on septic of 24 dwelling units. This translates to 14 in the RC zoning district and 10 dwelling units in the RA zoning district. This exceeds the carrying capacity of the watershed in this municipality. The calculated carrying capacity is 8 units.

Pemberton Township

Potential development exceeds carrying capacity in only one of the four HUC-11 watersheds in Pemberton Township. In HUC #02040202040, the build-out analysis indicates 1183 equivalent dwelling units, where the capacity is calculated to be 781 units. The potential development includes 1,258,901 SF (315 equivalent units) of commercial/light industrial in the GCLI zoning district, 2,666,906 SF (667 equivalent units) in the PI district, 7 dwelling units in the AP zoning district, 141 dwelling units in the AR zoning district, and 54 residential units in the R-3 district. Strategies such as down-zoning or increasing sewer service must be evaluated to address the lack of carrying capacity. In the other HUC-11 watersheds, the potential development does not exceed the nitrate dilution carrying capacity. HUC #02040202020 is projected to have 33 equivalent dwelling units with a carrying capacity of 469. HUC #02040202030 is zoned for 51 equivalent units with a carrying capacity of 1605. Lastly, HUC #02040202050 has the zoned potential of 8 equivalent dwelling units and a dilution capacity of 425 equivalent dwelling units.

Riverside Township

There is no projected development on septic systems in this municipality. Therefore, the carrying capacity of the sole HUC-11 watershed (#02040202080) is not impacted.

Riverton Borough

There is no projected development on septic systems in this municipality. Therefore, the carrying capacity of the only HUC-11 watershed (#02040202090) is not impacted.

Shamong Township

In all HUC-11 watersheds of Shamong Township, the potential development does not exceed the nitrate dilution carrying capacity. HUC #02040202060 is projected to have 9 equivalent dwelling units with a carrying capacity of 22. HUC #02040301150 is zoned for 211 equivalent units with a carrying capacity of 1487. In HUC #02040301160 there are a potential 32 equivalent dwelling units which is less than the calculated capacity of 1259 units. Lastly, HUC #02040301190 has no zoned potential development and a dilution capacity of 33 equivalent dwelling units.

Southampton Township

In Southampton Township, HUC # 02040202040 is zoned for a potential 274 equivalent dwelling units which exceeds the allowable carrying capacity of 55 dwelling units. This is generated by a projected 518,498 SF in the HC district and by 430,929 SF in the I district, plus 18 residential units in the AP district and 19 residential units in the RR district. For HUC # 02040202050, zoning currently permits an additional 936 equivalent dwelling units. The carrying capacity in this watershed and township is calculated to be a maximum of 1692 units, so the carrying capacity is sufficient to meet the nitrate dilution demand of zoned potential development. However, HUC #02040202060 has a carrying capacity of 153 equivalent dwelling units, but the zoning would allow for a potential 456 equivalent units. The potential units are projected based on 34 dwelling units in the AR zoning district, 56 dwelling units in the RD district and 29 dwelling units in the RR district, plus 904,527 SF in the HC and 446,526 SF in the I zoning districts. In HUC #02040202070, Southampton Township is zoned to allow a potential of 834 equivalent dwelling units, but the carrying capacity is only 137 equivalent units. In this watershed, the build-out shows 4 residential units in the AP zoning district, 16 dwelling units in the AR district, 22 dwelling units in

the RR district and 427 dwelling units in the RR1 zoning district, plus 1,460,300 SF of commercial development in the HC zoning district. In three of watersheds in Southampton Township, strategies must be identified to reduce the potential for development on septic systems so that the carrying capacity will not be exceeded. However, in HUC #02040202050, the municipal build-out does not indicate a deficit in nitrate dilution capacity.

Tabernacle Township

In all HUC-11 watersheds of Tabernacle Township, the potential development does not exceed the nitrate dilution carrying capacity. HUC #02040202050 is projected to have 147 equivalent dwelling units with a carrying capacity of 682. In HUC #02040202060 there are a potential 58 equivalent dwelling units which is equal to the calculated capacity of 58 units. HUC #02040301150 is zoned for 66 equivalent units with a carrying capacity of 2143. Lastly, HUC #02040301190 has no zoned potential development and a dilution capacity of 952 equivalent dwelling units.

Washington Township

There is no projected development on septic systems based on the build-out analysis for Washington Township. The carrying capacity is more than needed in this municipality for HUC #02040301150, #02040301160, #02040301170, #02040301180, #02040301190, and #02040301200.

Westampton Township

The nitrate dilution capacity of all watersheds in Westampton Township is exceeded by septic dilution demand. For HUC # 02040202080, zoning allows for an additional 111 equivalent dwelling units which exceeds the calculated carrying capacity of 36 units for this township and watershed. This build-out is generated by a projected 3 dwelling units zoned in the R-1 district, 15 dwelling units zoned in the R-4 district, 23,881 SF zoned in the B-1 district, and 349,304 SF zoned in the I district. Westampton is zoned for an additional 130 equivalent dwelling units in the watershed HUC# 02040202040 where the calculated capacity is limited to 106 units. The zoning districts contributing to the deficit are the R-1 district with 27 projected dwelling units, the R-3 with 14 projected dwelling units, the C district with 38,540 SF and the I district with 319,311 SF projected. Lastly, the watershed HUC# 02040201100 is also zoned to exceed its calculated carrying capacity of 61 units. The build-out of 296 potential equivalent dwelling units is projected from a potential 292 dwelling units in the R-1 district, 2 dwelling units in the R-3 district, and 10,812 SF in the OR-1 district. The township will have to adopt ordinances or take additional steps to reduce the build-out to be served by onsite septic systems.

Willingboro Township

In Willingboro Township, HUC #02040202080 is zoned for 107 equivalent dwelling units which exceed the carrying capacity of 18 for this watershed in this municipality. The build-out analysis shows 23 dwelling units in the R-1 district, 67 dwelling units in the R-2 district and 2 dwelling units in the RZO district, plus 5,051 SF of commercial development in the B-1 and 57,895 SF of industrial development in the I-1. The other HUC-11 watershed in Willingboro, #02040201110 is neither zoned for nor does it have the nitrate dilution capacity for any additional units served by onsite septic disposal systems.

Woodland Township

Based on the build-out analysis, potential development will not exceed the septic carrying capacity for any watershed in Woodland Township. In summary, HUC #02040202030 has 3 zoned equivalent dwelling units and a carrying capacity of 2348 units. HUC #02040202050 is zoned for 16 potential equivalent units compared to a carrying capacity of 1521. HUC # 02040301150 and #02040301180 are both zoned for no additional development on septic systems and have carrying capacities of 19 and 971 equivalent dwelling units, respectively. Lastly, HUC # 02040301190 could potentially have 12 additional

equivalent dwelling units at build-out which is abundantly met by its carrying capacity of 4089 equivalent units.

Wrightstown Borough

In Wrightstown, two of the three HUC-11 watershed will have no additional development served by onsite septic disposal systems. Neither HUC #02040201100, with a carrying capacity of 0 units, or #02040202040 with a carrying capacity of 22 equivalent units, are zoned for additional septic development. In HUC 02040202040, the carrying capacity is sufficient to meet the nitrate dilution need generated by 33 equivalent dwelling units based on the zoning. In the final watershed, #02040201040, zoning would allow for 62 equivalent units, but the carrying capacity allows only 3 equivalent dwelling units. Strategies to address this deficiency would be necessary to achieve full build-out in this watershed.

Table 122, below, summarizes the nitrate dilution carrying capacity analysis results for all septic service areas in each municipality.

HUC 11 - CODE	Municipality	Undeveloped Acres	Total acres of HUC 11 in Municipality	Percent of HUC 11 Undeveloped in Municipality	Zoned Units (includes equivalent d.u.)	Allowed Units (based on 2016 analysis)	Septic Density (acres/du)
02040301130	Bass River Township	319.94	341.21	93.77%	0	63	5.0
02040301140	Bass River Township	1234.76	1256.14	98.30%	0	220	5.6
02040301180	Bass River Township	11265.89	15979.22	70.50%	0	2503	4.5
02040301200	Bass River Township	15968.92	31490.13	50.71%	121	3013	5.3
02040301210	Bass River Township	0.00	1073.79	0.00%	0	0	7.6
2040201110	Beverly City	14.98	459.72	3.26%	45	1	8.2
02040201030	Bordentown City	0.41	41.24	0.99%	0	0	152.0
02040201070	Bordentown City	11.01	351.00	3.14%	0	1	8.1
02040201080	Bordentown City	0.89	225.31	0.40%	0	0	5.8
02040201030	Bordentown Twp	0.02	17.88	0.11%	0	0	152.0
02040201050	Bordentown Twp	1.50	105.37	1.42%	0	0	5.3
02040201070	Bordentown Twp	107.46	1983.11	5.42%	11	13	8.1
02040201080	Bordentown Twp	332.25	1687.72	19.69%	127	57	5.8
02040201090	Bordentown Twp	394.41	2122.83	18.58%	1134	58	6.7
02040201090	Burlington City	237.89	677.62	35.11%	0	35	6.7
02040201100	Burlington City	29.78	686.74	4.34%	7	4	6.2
02040201110	Burlington City	1.05	1038.98	0.10%	0	0	8.2
02040201090	Burlington Township	136.36	1596.17	8.54%	323	20	6.7
02040201100	Burlington Township	355.32	3496.78	10.16%	138	57	6.2
02040201110	Burlington Township	141.52	2222.09	6.37%	181	17	8.2
02040202080	Burlington Township	52.61	1654.42	3.18%	48	6	8.1
02040201040	Chesterfield Township	91.5	109.40	83.64%	0	12	7.1
02040201050	Chesterfield Township	2509.64	5357.24	46.85%	99	473	5.3
02040201070	Chesterfield	158.42	526.30	30.10%	27	19	8.1

	Township						
02040201080	Chesterfield Township	4370.21	7399.36	59.06%	185	753	5.8
02040201090	Chesterfield Township	167.10	205.34	81.38%	17	24	6.7
02040201100	Chesterfield Township	83.07	138.36	60.04%	4	13	6.2
02040202090	Cinnaminson Township	329.72	3601.10	9.16%	137	41	7.9
02040202100	Cinnaminson Township	38.72	1478.00	2.62%	74	3	9.8
02040201110	Delanco Township	21.75	84.78	25.65%	0	2	8.2
02040202080	Delanco Township	139.16	2066.30	6.73%	10	17	8.1
02040202080	Delran Township	196.32	1794.04	10.94%	21	24	8.1
02040202090	Delran Township	172.66	2859.45	6.04%	38	21	7.9
02040201100	Eastampton Township	145.58	1033.74	14.08%	6	23	6.2
02040202040	Eastampton Township	570.30	2689.10	21.21%	28	93	6.1
02040201110	Edgewater Park Twp	0.00	908.63	0.00%	0	0	8.2
02040202080	Edgewater Park Twp	6.31	1058.44	0.60%	0	0	8.1
02040202060	Evesham Township	3251.00	14163.02	22.95%	324	591	5.5
02040202070	Evesham Township	2.05	3.54	57.91%	0	0	6.3
02040202100	Evesham Township	232.89	2951.11	7.89%	103	23	9.8
02040202110	Evesham Township	0.62	415.03	0.15%	0	0	8.8
02040301160	Evesham Township	916.09	1410.25	64.96%	15	169	5.4
02040201090	Fieldsboro	2.98	224.07	0	0	0	6.7
02040201090	Florence Township	519.86	4524.41	11.49%	450	77	6.7
02040201100	Florence Township	894.04	1997.07	44.77%	522	144	6.2
02040202040	Hainesport Township	223.09	608.37	36.67%	40	36	6.1
02040202070	Hainesport Township	877.57	3734.24	23.50%	142	139	6.3
02040202040	Lumberton Township	0.15	230.71	0.07%	0	0	6.1
02040202050	Lumberton Township	535.64	1420.99	37.69%	51	109	4.9
02040202060	Lumberton Township	353.09	886.22	39.84%	46	64	5.5
02040202070	Lumberton Township	1539.69	5788.95	26.60%	80	244	6.3
02040201080	Mansfield Township	467.39	1561.24	29.94%	55	80	5.8
02040201090	Mansfield Township	4177.67	9194.12	45.44%	2361	623	6.7
02040201100	Mansfield Township	1128.70	3255.02	34.68%	204	182	6.2
02040202100	Maple Shade Township	52.15	2451.37	2.13%	0	5	9.8
02040202060	Medford Lakes Borough	4.94	811.59	0.61%	0	0	5.5
02040202060	Medford Township	3814.69	20279.56	18.81%	371	693	5.5
02040202070	Medford Township	342.14	1057.46	32.35%	30	54	6.3
02040301150	Medford Township	0.05	281.48	0.02%	0	0	4.9
02040301160	Medford Township	653.85	3855.85	16.96%	1	121	5.4
02040202080	Moorestown Township	424.11	2070.12	20.49%	137	52	8.1
02040202090	Moorestown Township	418.24	4531.54	9.23%	106	52	7.9
02040202100	Moorestown Township	135.40	2983.12	4.54%	76	13	9.8

02040201100	Mount Holly Township	1.23	188.88	0.65%	0	0	6.2
02040202040	Mount Holly Township	75.29	1638.99	4.59%	328	12	6.1
02040202060	Mount Laurel Township	0.13	19.68	0.66%	0	0	5.5
02040202070	Mount Laurel Township	242.33	2253.54	10.75%	52	38	6.3
02040202080	Mount Laurel Township	470.25	5240.69	8.97%	140	58	8.1
02040202100	Mount Laurel Township	300.32	6552.00	4.58%	71	30	9.8
02040201040	New Hanover Township	1905.24	8591.43	22.18%	283	268	7.1
02040202020	New Hanover Township	2278.34	5050.33	45.11%	0	438	5.2
02040202040	New Hanover Township	194.95	841.47	23.17%	0	31	6.1
02040201040	North Hanover Township	2586.71	4896.58	52.83%	589	364	7.1
02040201050	North Hanover Township	1167.81	2246.96	51.97%	100	220	5.3
02040201080	North Hanover Township	2970.53	4059.20	73.18%	26	512	5.8
02040202090	Palmyra Borough	124.62	1123.15	11.10%	0	15	7.9
02040202100	Palmyra Borough	6.85	398.50	1.72%	0	0	9.8
02040202110	Palmyra Borough	0.00	23.79	0.00%	0	0	8.8
02040202040	Pemberton Borough	49.89	403.17	12.37%	24	8	6.1
02040202020	Pemberton Township	2440.97	8573.29	28.47%	33	469	5.2
02040202030	Pemberton Township	7063.58	14809.81	47.70%	51	1605	4.4
02040202040	Pemberton Township	4767.44	12360.14	38.57%	1183	781	6.1
02040202050	Pemberton Township	2087.35	4427.83	47.14%	8	425	4.9
02040202080	Riverside Township	11.55	937.39	1.23%	0	1	8.1
02040202090	Riverton Borough	12.74	607.00	2.10%	0	1	7.9
02040202060	Shamong Township	123.97	748.43	16.56%	9	22	5.5
02040301150	Shamong Township	7288.71	16078.94	45.33%	211	1487	4.9
02040301160	Shamong Township	6799.65	11813.91	57.56%	54	1259	5.4
02040301190	Shamong Township	150.11	150.11	100.00%	0	33	4.5
02040202040	Southampton Township	339.14	830.30	40.85%	274	55	6.1
02040202050	Southampton Township	8291.01	20048.74	41.35%	936	1692	4.9
02040202060	Southampton Township	841.62	5971.58	14.09%	456	153	5.5
02040202070	Southampton Township	868.02	1595.68	54.40%	834	137	6.3
02040201040	Springfield Township	580.81	819.69	70.86%	7	81	7.1
02040201090	Springfield Township	0.00	0.06	0.00%	0	0	6.7
02040201100	Springfield Township	7605.44	16213.26	46.91%	273	1226	6.2
02040202040	Springfield Township	1045.89	1891.46	55.30%	32	171	6.1
02040202050	Tabernacle Township	3343.09	5866.98	56.98%	147	682	4.9
02040202060	Tabernacle Township	322.44	2330.67	13.83%	58	58	5.5
02040301150	Tabernacle Township	10503.81	17159.82	61.21%	66	2143	4.9
02040301190	Tabernacle Township	4287.73	6330.46	67.73%	0	952	4.5
02040301150	Washington	8217.45	9805.39	83.81%	0	1677	4.9

	Township						
02040301160	Washington Township	1857.74	2538.31	73.19%	0	344	5.4
02040301170	Washington Township	9220.26	21748.86	42.39%	0	1739	5.3
02040301180	Washington Township	4466.38	7777.90	57.42%	0	992	4.5
02040301190	Washington Township	10928.50	19981.34	54.69%	0	2428	4.5
02040301200	Washington Township	1279.65	4687.79	27.30%	0	241	5.3
02040201100	Westampton Township	382.84	2347.78	16.31%	296	61	6.2
02040202040	Westampton Township	651.78	1782.96	36.56%	130	106	6.1
02040202080	Westampton Township	298.72	2973.41	10.05%	111	36	8.1
02040201110	Willingboro Township	1.71	330.93	0.52%	0	0	8.2
02040202080	Willingboro Township	152.25	4843.79	3.14%	107	18	8.1
02040202030	Woodland Township	10335.04	14941.36	69.17%	3	2348	4.4
02040202050	Woodland Township	7457.44	12149.58	61.38%	16	1521	4.9
02040301150	Woodland Township	96.78	122.80	78.81%	0	19	4.9
02040301180	Woodland Township	4371.07	4758.82	91.85%	0	971	4.5
02040301190	Woodland Township	18403.22	29029.19	63.40%	12	4089	4.5
02040201040	Wrightstown Borough	28.25	678.07	4.17%	68	3	7.1
02040201100	Wrightstown Borough	0.00	38.12	0.00%	0	0	6.2
02040202040	Wrightstown Borough	136.26	429.33	31.74%	0	22	6.1

Strategies to Mitigate Capacity Deficiency in Septic Service Areas

As noted previously and tabulated in Tables 119 and 120, there are certain HUC-11 watersheds where the potential number of equivalent dwelling units in the zoned build-out will exceed the nitrate dilution or septic carrying capacity. The Water Quality Management rules require that these municipalities, in concert with the County and DEP, develop strategies to prevent the build-out from exceeding the available dilution capacity of the remaining undeveloped lands in those watersheds. Strategies to mitigate deficiency and specific watersheds and zoning districts that could be impacted by the need to limit development further than current zoning does are discussed below.

Potential strategies to reduce the number of equivalent dwelling units might include:

- re-zoning to reduce the potential equivalent dwelling units of future development
 - reduce floor area ratio and/or density
 - increase lot size for development served by onsite septic systems
- preserving undeveloped land to restrict areas that are eligible for development,
- amending the sewer service areas where feasible to serve these zoning districts that are more appropriately located within sewer service areas
- re-calculate build-out based on updated zoning and land use classifications

A variety of strategies could be used to reduce nitrate dilution demand in septic service areas depending on the needs and goals of each municipality. As described above, deficits in septic carrying capacity seen when comparing the build-out results and the nitrate dilution analysis may be caused by too much commercial, industrial or residential development depending on the particular zoning district. To reduce the amount of development, municipalities may change zoning to increase lot sizes for development on septic systems, they may amend the wastewater management plan to increase the sewer service area, or they may adopt ordinances that require alternative design individual subsurface disposal systems that reduce the quantity of nitrate entering the watershed from the property. An alternative to re-zoning or revising zoning standards is to preserve additional land through open space or agricultural deed restrictions that prevent further development of a parcel.

Specific solutions to projected septic carrying capacity deficits must be crafted by the individual municipalities. This plan does not identify which strategies should be adopted by any municipality. However, any municipality that has a projected deficit may wish to consider strategies to reduce nitrate during its normal master plan re-evaluation.

VI. Septic Management Plan (Reserved)

Current Septic Management Activities (Reserved)

Future Septic Management Activities (Reserved)

Role of County

Role of Municipality

DRAFT

VIII. Mapping

Map 1 - WMP Area Map

The following political and jurisdictional, boundaries and features are identified on this map:

- The WMP area boundary
- Area-wide WQM planning area boundaries
- Municipal boundaries
- The coastal area boundary, as described in N.J.S.A. 13:19-4, and the Department's Coastal Zone Management rules at N.J.A.C. 7:7-1.2(b) including the Hackensack Meadowlands District defined in N.J.S.A. 13:17-4 *{if applicable}*
- The Pinelands Area and the Pinelands National Reserve

Map 2 - Selected Environmentally Sensitive Features Map

This is a composite map depicting each of the following environmental features below based on the most current GIS layers available from the Department at the time of WMP submission.

- Suitable habitat for endangered and threatened species as identified on the Department's Landscape Project Maps of Habitat for Endangered, Threatened and Other Priority Wildlife as Rank 3, 4 and 5, version 3.
- Natural Heritage Priority Sites
- Surface waters, as mapped on the Department's graphic information systems (GIS) hydrography coverage
- Category One waters designated in the Department's Surface Water Quality Standards, N.J.A.C. 7:9B, based on the Department's maps of such waters, and their corresponding 300-foot riparian zone based on the Flood Hazard Area Control Act Rules, N.J.A.C. 7:13
- Coastal wetlands that have been mapped by the Department under the Wetlands Act of 1970, N.J.S.A. 13:9A-1 et seq.
- Other freshwater and estuarine wetlands, based on maps prepared by the Department under the Freshwater Wetlands Protection Act, N.J.S.A. 13:9B-25.c
- Coastal Fringe Planning Areas, Coastal Rural Planning Areas, and Coastal Environmentally Sensitive Planning Area

Map 3 - Wastewater Service Area Map

The following regional planning area boundaries, wastewater-related jurisdictions, facilities, and wastewater service areas are identified on this map. This map is a county-wide representation

of wastewater service areas. Please refer to municipal maps (3M-1 through 3M-40) for a higher resolution view of the sewer service and non-sewer service areas.

- The Pinelands Management Area boundaries within the Pinelands Area and the Pinelands National Reserve
- A delineation of sewer service areas, as determined in accordance with N.J.A.C. 7:15-4.4, differentiating that area that is:
 - Assigned sewer service area, differentiating between area that currently conveys sewage to each existing or proposed wastewater treatment facility and that which is proposed to convey sewage to each existing or proposed wastewater treatment facility; or
 - Unassigned sewer service area; and
 - A delineation of non-sewer service area+

Map 4 – Current and Proposed Sewer Service Areas

A map of the entire county is provided as Map 4. It depicts sewer service areas that are currently adopted and those that are proposed at the time of preparation of this county-wide wastewater management plan. In addition, individual municipal wastewater maps are also appended to this document. Municipal maps show distinguishable service or franchise areas assigned to sewerage or municipal authorities, as well as the location of domestic and industrial wastewater facilities.

Maps 4M-1 through Map4M-40 – Municipal Zoning Maps

This group of maps show individual municipalities with their zoning district boundaries and name designations that were used to complete the build-out analysis.

Map 5 – Preserved Lands

Map 5 shows the land areas currently protected from development as public open space, and also show other recreational areas that are owned and operated by land trusts, non-profit associations, and for-profit recreational businesses. Such properties are limited to those of 10 acres or more in size for mapping clarity. These areas are not expected to support additional development. While smaller dedicated open spaces exist, they do not have a significant effect on the delineation of wastewater service areas or the future generation of wastewater flow.

Map 5 also shows preserved farmland. These lands have been preserved via easement to allow only farming and farm associated development. These areas are also not expected to generate significant wastewater flow.

Map 6 – Sewer Service in Environmentally Constrained Areas

During the development of this wastewater management plan, a number of developments were proposed in areas that were originally believed to be environmentally constrained by water, wetlands or certain high-value threatened or endangered species habitats. Map 6 pinpoints the locations where future sewer service may be allowed based on additional information collected, such as municipal permits or approvals, habitat reviews, or treatment works approvals.

Appendix A – Build-out Results

This appendix contains the results of the build-out analysis. For each municipality, as applicable, tables are included for total build-out in part 1, for sewer service area build-out in part 2 and for non-sewer service area build-out in part 3. In municipalities where there is no developable non-sewer service area, no table is provided.

The appendix is attached as a separate document.

Appendix B – Municipal Mapping

This appendix contains maps of the wastewater service areas and zoning districts in each municipality. A set of two maps is completed for each municipality. The wastewater maps clarify the sewer service areas, developable sewer service areas and developable septic service areas. Municipal maps depict municipal zone code designations, as well as parcel boundaries that were used as the basis for the build-out analysis required pursuant to N.J.A.C. 7:15-4.5.

Depiction of zoning at the county-wide scale did not render a practical map.

See maps attached separately as Appendix B or available as PDF documents.