

## SECTION VIII

### WATER SUPPLY AND WASTEWATER FACILITIES INVENTORIES

This section briefly describes the status of water supply and wastewater facilities in the Pennridge Area. [Figure VIII-1 — Water and Wastewater Service Areas](#) shows the public water and sewerage service areas in the Study Area.

#### A. Water Supply

Our survival depends on the protection and management of our water resources, particularly our drinking water supplies. The following water supply inventory was developed to assist in the management of groundwater and surface water in the Pennridge Area. Residents and industry located within the Pennridge Area depend on numerous wells to provide them with the source of their daily water supply. Groundwater provides the area with the majority of the demand, while surface water only makes up a small percentage of the water supply in the area.

Data for this inventory were gathered from various sources, including the Bucks County Department of Health, Delaware River Basin Commission, and the PaDEP. Well data tables are located in **Appendix E**, which also contains a list of contacts for the community water suppliers serving the study area. Data included in those tables are Facility Name, Municipality, Basin (DRBC-designated watershed), Daily Use, and Rates of Withdrawal. Tables in **Appendix E** segregate which facilities are responsible for the largest withdrawals in each basin. The following summary table shows the results.

**Table VIII-1  
Community Water Suppliers Summary Table VIII-2**

SUPPLIER	OWNERSHIP	DOMESTIC	PER CAPITA	AVERAGE	ANNUAL
		POPULATION SERVED	WATER USE (Gal/Day)	DAILY USE (Gal/Day)	WATER USE (MG)
		2000	2000		2000
Bedminster Twp. Mun. Authority	Authority	1,000	43	43,000	15.70
Dublin Borough Municipal Water Works	Municipal	1,700	50	85,000	31.03
Hilltown Twp. Water & Sewer Auth.	Authority	3,050	75	228,750	83.49
North Penn Water Authority--East Rockhill System	Authority	420	62	26,040	9.50
North Penn Water Authority--Hilltown System	Authority	133	50	6,650	2.43
Perkasie Boro. Authority	Authority	10,000	53	530,000	193.45
Sellersville Boro. Mun. Water Works	Municipal	4,500	75	337,500	123.19
Telford Boro. Authority	Authority	7,050	50	352,500	128.66
Small Water Systems (7)	Private	1,160	50	58,000	21.17
<b>TOTALS</b>		<b>29,013</b>	<b>57</b>	<b>1,667,440</b>	<b>608.62</b>

## Estimated Groundwater Withdrawals

<b>Basin Name</b>	<b>Total Groundwater Withdrawals from Respective Basins (Mgal/Yr)</b>
East Branch Perkiomen–Morris Run	269.443
East Branch Perkiomen–Indian Creeks	43.445
East Branch Perkiomen–Mill Creeks	296.780
North Branch Neshaminy Creek	0.024
Tohickon–Deep Run	50.123
Tohickon–Geddes–Cabin Runs	5.259
Tohickon–Three Mile Run	144.872
Unami-Ridge Valley Creeks	10.192
Upper Reach Skippack Creek	34.493
W. Branch Neshaminy Creek Basin	47.152
<b>Total</b>	<b>901.783</b>

The DRBC-designated watersheds that include the Pennridge Area consume approximately 900 million gallons of groundwater per year. The largest withdrawals occur in East Branch Perkiomen–Morris Run and East Branch Perkiomen–Mill Creeks Basins that collectively account for nearly 63 percent of total withdrawal in the Pennridge Area. A further discussion of water supply withdrawals in relation to the overall water budget specific to the Pennridge Area can be found in Section X.

### **B. Wastewater Facilities**

The Pennsylvania Sewage Facilities Act of 1966 (Act 537) requires municipalities to provide for adequate wastewater collection, conveyance, treatment, and disposal. Act 537 also requires each municipality to adopt a Sewage Facilities Plan, commonly referred to as an “Act 537 Plan”. Act 537 plans are intended to be updated and/or revised when necessary and thus be kept current and consistent with the municipality’s comprehensive plan, zoning ordinance, and subdivision/land development regulations.

Typically, Act 537 plans are revised in response to a proposed subdivision or land development that is not consistent with the current plan. Keeping a municipality’s four planning documents current and consistent becomes increasingly more difficult, time-consuming, and expensive as the development pressure increases. However, if municipalities wish to properly manage growth, while at the same time providing adequate infrastructure to accommodate growth, an updated Act 537 plan is a key planning tool to use.

The following table indicates the status of the municipal Act 537 plans for the Pennridge municipalities.

**Table VIII-3  
Act 537 Wastewater Facilities Plans for Pennridge Municipalities**

<b>Act 537 Wastewater Facility Plan</b>	<b>Affected Municipality(ies)</b>
1. Act 537 Plan Revision for the Pennridge Wastewater Treatment Authority (1992) (* Revised for Perkasio Borough.)	West Rockhill, Sellersville, Perkasio, Silverdale
2. Dublin Borough 201 Facilities Plan (1982) & Bedminster Township 201 Facilities Plan (* Bedminster Act 537 Plan currently being revised.)	Dublin, Bedminster
3. Wastewater Facilities Component of the Hilltown Township Comprehensive Plan (1980)	Hilltown
4. East Rockhill Township Wastewater Facilities Plan (1996)	East Rockhill
5. Act 537 Plan Revision Wastewater Treatment Facilities for Telford Borough (1986)	Telford

The DEP provides planning grants for the preparation of municipal Act 537 plans. As a part of an overall water resources planning effort, the eight PACC municipalities should consider a combined effort to simultaneously update their Act 537 plans to address wastewater concerns at both the multimunicipal and individual municipal levels.