











SOUTHEASTERN PENNSYLVANIA GROUND WATER PROTECTED AREA

Management Issues:

- Provide for the effective management of ground water resources.
- Encourage water conservation.
- Protect the rights of present and future users of
- Acquire additional information to more accurately plan and manage water resources.

Results: A computerized water-use and ground water analysis

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Special Requirements

- Permits required for withdrawals averaging 10.000 gpd or more for any 30-day period
- · Advance notice of exploratory drilling
- Hydrologist report with results of extended pump test (not less than 48 hours duration) and monitoring
- Well registration and metering
- Conservation requirements
- Compliance with the Commission's "withdrawal-limits (net subbasin yield) policy."

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Subbasin Limits

- Geological Studies Establish Numerical Withdrawal Limits
- Two-tiered Approach
 - "Maximum Withdrawal Limit" = 100%
 - "Potentially Stressed" = 75%
- Stressed Sub-basins Requirements

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Eligible programs in potentially stressed subbasins:

- 1. Conjunctive use 15% avg annual system use from surface water
- 2. Expanded water conservation
- 4. Artificial recharge or spray irrigation -60% return to same basin & aquifer

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Procedures for withdrawal limit revisions to afford additional protection for subbasins that are designated

- Pennsylvania "High Quality" or "Exceptional Value" Designated Streams
- "Wild", "Scenic", or "Pastoral" Streams

Consistent with More Stringent Requirements in Integrated Resource Plans

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Integrated Resource Planning

- IRP framework and experiences are applicable to PA Act 220 CWPA provisions
 - Similar requirements to CARPs
 - Currently being tested through Swamp-Scioto pilot
 - Should improve understanding of how to carry on multi-municipal comprehensive water supply planning in Pennsylvania

Sub-basin	Potentially Stressed (mgy)	Withdrawal Limit (mgy)
West Branch Neshaminy	1,054	1.405
Pine Bun	596	795
North Branch Neshaminy	853	1,131
Main Stem Doylestown	710	946
Main Stern Warwick	889	1,185
Little Neshaminy Warrington	505	673
Park Creek	582	776
Little Neshaminy Warminster	1,016	1,355
Mill Creek	1,174	1,565
Main Stern Northampton	596	794
Newtown Creek	298	397
Core Creck	494	668
Iranworks Creek	326	434
Main Stem Lower Neshaminy	3,026	4,034







