



Susquehanna River Basin Commission

a water management agency serving the Susquehanna River Watershed

Ground-Water Withdrawal Instructions and Application

Who Must Submit an Application:

An application must be submitted by anyone proposing :

- A new withdrawal from a single well or well field in excess of 100,000 gallons per day (gpd).
- A new well(s) or an increased withdrawal for a project that has an SRBC approved ground-water withdrawal, regardless of the quantity of the proposed increase or the withdrawal from the new well(s).
- An increase in any ground-water withdrawal initiated prior to July 13, 1978, by 100,000 gpd or more.
- An increase in any ground-water withdrawal initiated on or after July 13, 1978, to 100,000 gpd or more.

NOTE: All quantities are 30-day averages.

Check List of Items to Accompany Application:

- ___ 1. All appropriate attachments:
 - a. Public water suppliers must complete the attached Public Water Supply Information, SRBC #24P, and
 - b. All other users except agriculture must complete the attached Consumptive Use Application, SRBC #24C.
- ___ 2. Copy of USGS 7 1/2' quadrangle map showing project location. Proposed and nearby wells must be identified on the map.
- ___ 3. Well Record - Proposed Well(s). (See application section 8.)
- ___ 4. Well Record - Existing Nearby Well(s). (See application section 9.)
- ___ 5. Copy of pumping test data sheets, etc.
NOTE: Review and approval by the Susquehanna River Basin Commission of the test procedures to be used by the applicant are necessary before the test is started.
- ___ 6. Copy of chemical analysis. Public water suppliers should submit a copy of the analysis required by the respective state for new sources. Other users must provide the analyses listed on Chemical Analysis of Ground Water, SRBC #24A.
- ___ 7. The application must be signed by the preparer and the applicant.
- ___ 8. Submit the appropriate application fee based on Fee Resolution 98-19 (available on our web site). If you also are submitting a consumptive use application, submit the higher fee.

Notification Material:

Please submit the appropriate notification material, as required by Section 803.25 of our *Regulations and Procedures for Review of Projects* (all of which are available on our web site), within 10 days of application submittal.

Where to File Application:

Project Review Coordinator
Susquehanna River Basin Commission
1721 N. Front Street
Harrisburg, PA 17102-2391

If you need assistance, contact the Susquehanna River Basin Commission, Water Management Division at (717) 238-0426, fax (717) 238-2436, or via e-mail addressed to srbc@srbc.net.



Susquehanna River Basin Commission

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Ground-Water Withdrawal Application

1. Applicant information:

Name _____

Mailing Address _____

Contact Person _____ Title _____

Telephone (____) _____ Fax (____) _____

E-mail Address _____

2. a. Location of proposed well(s):

State _____ County _____

Municipality _____

b. You must attach a copy of a USGS 7 1/2 Minute Quadrangle map indicating location of proposed well(s), all existing project wells, and any nearby wells.

3. Purpose of proposed withdrawal(s): _____

4. Requested withdrawal from proposed well(s) (based on a 30-day average):

Well Number _____ - _____ mgd.

5. Total combined withdrawal from proposed well(s) _____ mgd (based on a 30-day average).

6. Existing and projected total water use:

Total Project Water Usage ¹	Existing (mgd) ²	Projected (mgd) ³ for Design Year _____
Average Daily Water Demand		
Maximum Daily Water Demand		
System Capacity ⁴		

Explanation

¹ Project water usage should be on an annual basis, unless the application is for a seasonal operation. For seasonal uses, indicate the duration of the use (the number of months on which the average is based).

² For new projects, the existing use should be the proposed use during the first year of operation.

³ The projected use should be for 25 years in the future (design year). If the project duration is less than 25 years, indicate the year for which projections were made.

⁴ The existing system capacity should not include the proposed sources unless the application is for a new project having no prior withdrawal.

7. Existing sources of water:

a. Wells

Well Number	Well Depth (ft)	Cased Depth (ft)	Screened Interval (ft to ft)	Existing Pump Capacity (mgd)	Average Daily Withdrawal (mgd)	Metered (yes/no)

b. Other sources of water (stream intakes, interconnections, reservoirs, springs, etc.):

Name	Description	Average Daily Withdrawal (mgd)	Number Days Used During Calendar Year	Safe Yield (mgd)	Metered (yes/no)

8. Well record (proposed well(s)):

Well No. _____	Geologic Formation _____
Date Drilled _____	Well Driller _____
Depth Drilled _____ ft	Diameter _____ in
Casing: Min. Diameter _____ in	Max. Length _____ ft
Well Screen: Type _____	Diameter _____ in
Top of Screen _____ ft	Bottom of Screen _____ ft
Well Yield _____ gpm	Specific Capacity _____ gpm/ft
Permanent Pump: Type _____	
Capacity _____ gpm	Intake Setting _____ ft
Air Line Depth _____ ft	Type of Metering _____

Well No. _____	Geologic Formation _____
Date Drilled _____	Well Driller _____
Depth Drilled _____ ft.	Diameter _____ in
Casing: Min. Diameter _____ in	Max. Length _____ ft
Well Screen: Type _____	Diameter _____ in
Top of Screen _____ ft	Bottom of Screen _____ ft
Well Yield _____ gpm	Specific Capacity _____ gpm/ft
Permanent Pump: Type _____	
Capacity _____ gpm	Intake Setting _____ ft
Air Line Depth _____ ft	Type of Metering _____

Attach copies of this page as needed.

9. Existing nearby wells:

Attach map identifying all nearby wells owned by others that could be affected by pumpage of the proposed well(s) and complete items below for each well.

Existing nearby wells:

Owner _____ Phone _____
Address _____
Well No. _____ Well Use _____
Date Drilled _____ Well Driller _____
Well Depth _____ ft Estimated Yield _____ gpm
Depth to Water-Bearing Zone(s) _____ ft Screened Interval _____ ft to _____ ft
Pump Type _____ Pump Intake Setting _____ ft
Distance from Proposed Well(s) _____ ft

Owner _____ Phone _____
Address _____
Well No. _____ Well Use _____
Date Drilled _____ Well Driller _____
Well Depth _____ ft Estimated Yield _____ gpm
Depth to Water-Bearing Zone(s) _____ ft Screened Interval _____ ft to _____ ft
Pump Type _____ Pump Intake Setting _____ ft
Distance from Proposed Well(s) _____ ft

Attach copies of this page as needed.

10. Driller's log:

Attach separate sheet describing the nature and depth interval of subsurface materials and water-bearing zones penetrated during drilling of each proposed well.

11. Pumping test:

NOTE: Review and approval by the Susquehanna River Basin Commission of the test procedures to be used by the applicant are necessary before the test is started.

Attach copies of basic data sheets and any resultant water level charts, tables, graphs, etc., for the pumped well, monitoring wells, and nearby perennial stream sites. The pumping test shall be of not less than 48 hours pumping duration and at a constant withdrawal rate not less than the proposed rate. A step-drawdown pumping test may precede the 48-hour test, however, water levels should be allowed to essentially recover prior to the constant rate test. The following information from the test is generally required:

- a. Date and time of all static, pumping, and recovery water level measurements.
- b. Record of pumping rate measured frequently throughout the test.
- c. Sufficient static water level measurements in all wells to determine any trends in water level changes prior to the beginning of pumping. All water levels are to be measured to an accuracy of one-tenth of a foot.
- d. Pumping and recovery measurements from the pumped well.
- e. Monitoring data from a sufficient number of wells to determine all possible interference.
- f. Records of precipitation, measurements or observations of nearby streamflows, and weather conditions throughout the test.

12. Preparer:

Name _____

Title _____

Company _____

Address _____

Phone (____) _____ Fax (____) _____

Signature _____

Date _____ E-mail Address _____

13. Applicant:

Name (print or type) _____ Title _____

Signature _____ Date _____

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Chemical Analysis of Ground Water

The analysis must be performed by a laboratory certified by either the U.S. Environmental Protection Agency or the state in which the project is located. Report dissolved metals in micrograms per liter; all other data in milligrams per liter, except as noted.

STORET No.	Parameter
00410	Alkalinity, Total (as CaCO ₃)
01106	Aluminum
01005	Barium
00915	Calcium
01025	Cadmium
00940	Chloride, Total
01030	Chromium
00900	Hardness, Total (as CaCO ₃)
01046	Iron
01049	Lead
00925	Magnesium
01056	Manganese
00620	Nitrate-Nitrogen, Total (as N)
00403	pH (standard units)
00671	Phosphorus (Orthophosphate)
00515	Residue, Total Filterable Solids (TDS)
00930	Sodium
00095	Specific Conductance (µmhos/cm at 25°C)
00946	Sulfate
00680	Total Organic Carbon
01090	Zinc