



## **INSTRUCTIONS AND APPLICATION FOR A GROUND AND/OR SURFACE WATER WITHDRAWAL IN THE DELAWARE RIVER BASIN**

### **Who Must Submit an Application:**

An application must be submitted by anyone proposing:

- A withdrawal from a single well or a group of wells operated as a system equal to or exceeding a daily average gross of 100,000 gallons per day (gpd), for any purpose, outside of the Southeastern Pennsylvania Ground Water Protected Area.
- A withdrawal from a surface water source in excess of a daily average gross of 100,000 gpd, for any purpose.
- A withdrawal from a single well or group of wells operated as a system in excess of a daily average gross of 10,000 gpd, for any purpose, within the Southeastern Pennsylvania Ground Water Protected Area. The Delaware River Basin Commission *Ground Water Protected Area Regulations: Southeastern Pennsylvania* is available on the DRBC website at <http://www.nj.gov/drbc/gwpapage.htm>.
- An increased ground and/or surface water withdrawal, regardless of the quantity proposed for a project previously approved by the Delaware River Basin Commission.
- A renewal of an existing withdrawal previously approved by the Delaware River Basin Commission.
- A diversion or transfer of water into or out of the Delaware River Basin with a design capacity in excess of a daily average rate of 100,000 gallons.

**Note: All quantities are 30 consecutive day averages.**

### **Where to File Application:**

Delaware River Basin Commission  
PO Box 7360  
25 State Police Drive  
West Trenton, NJ 08628-0360

The Delaware River Basin Commission (DRBC) has Administrative Agreements with the Commonwealth of Pennsylvania and the States of Delaware, New Jersey and New York. Each of the States has unique filing requirements which must be met in addition to requirements of the DRBC.

**State Regulatory Agencies:**

Please contact the appropriate state agency to inquire as to what permits are necessary for the project withdrawal.

DELAWARE:

(302) 739-9945

Delaware Department of Natural Resources  
And Environmental Control  
89 Kings Highway  
Dover, Delaware 19901

NEW JERSEY:

(609) 292-2957

New Jersey Department of Environmental  
Protection  
Division of Water Resources  
Bureau of Water Allocation  
PO Box 426  
Trenton, New Jersey 08625

NEW YORK: New York State Department of Environmental Conservation Regional Offices serving the Delaware Basin are as follows:

Region 3 (Orange, Sullivan, Ulster counties):

(914) 256-3054

21 South Putt Corners Road  
New Paltz, New York 12561

Region 4 (Delaware, Scholarie counties):

(518) 357-2069

Route 10  
Stamford, New York 12167

Region 7 (Broome, Chenango counties):

(315) 426-7400

615 Area Boulevard West  
Syracuse, New York 13204-2400

PENNSYLVANIA: All applications for public water supply withdrawal projects located in the Commonwealth should be submitted to the appropriate regional office of the Pennsylvania Department of Environmental Protection as indicated below.

Southeast Regional Office: (Bucks, Chester, Delaware, Montgomery, Philadelphia counties):

(484) 250-5900

2 East Main Street  
Norristown, Pennsylvania 19401

Northeast Regional Office: (Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Wayne counties):

(717) 826-2525

2 Public Square  
Wilkes-Barre, Pennsylvania 18711-0790

Southcentral Regional Office: (Berks, Lancaster, Lebanon counties):

(717) 705-4707

909 Elmerton Avenue  
Harrisburg, Pennsylvania 17110-8200

**A well registration form must be completed for each well and sent to the appropriate state agency. Send the original registration form to the state agency and include copies in this application to DRBC.**

Pennsylvania (717) 772-4048  
Pennsylvania Well Registration Form  
Pennsylvania Dept. of Environmental Resources  
Division of Water Planning and Allocation  
PO Box 8555  
Harrisburg, Pennsylvania 17105-8555

Delaware (302) 739-4793  
Delaware Dept of Natural Resources and  
Environmental Control  
Water Supply Section  
Water Resources Division  
89 Kings Highway  
Dover, Delaware 19901

New Jersey (609) 292-0604  
New Jersey Well Permits and Records Form  
New Jersey Dept. of Environmental Protection  
Bureau of Water Allocation  
PO Box 029  
Trenton, New Jersey 08625

New York (518) 457-1254  
New York Well Data Form  
New York Dept. of Environmental  
Conservation  
50 Wolf Road, Room 301  
Albany, New York 12233

**DRBC Southeastern Pennsylvania Ground Water Protected Area:** This application is appropriate for projects located within the Ground Water Protected Area (GWPA) of Southeastern Pennsylvania. Counties included in the GWPA are as follows:

Berks (Douglass, Hereford, Union Townships only)  
Bucks (see Regulations for specific municipalities)  
Chester (see Regulations for specific municipalities)  
Lehigh (Lower Milford Township only)  
Montgomery (All of the area within the county boundary)

The Delaware River Basin Commission *Ground Water Protected Area Regulations: Southeastern Pennsylvania* is available on the DRBC website at <http://www.nj.gov/drbc/gwpapage.htm>.

#### **Glossary for DRBC Application:**

**Consumptive Use:** Water withdrawn that is not returned to surface or ground waters.

**DMS:** Degrees, Minutes, Seconds

**Docket:** A legal document granting approval for a project having a substantial effect on the water resources of the Basin.

**Existing Well/Intake:** A source previously approved by a DRBC docket.

**Export:** Water withdrawal within the Delaware River Basin that is conveyed outside of the Basin boundaries.

**gpd:** gallons per day

**gpm:** gallons per minute

**Import:** Water withdrawal outside the Delaware River Basin that is conveyed into the Basin boundaries.

**mg:** million gallons

**New Well/Intake:** A source not previously approved by a DRBC docket.

**Purveyor:** Any person, corporation, firm, or entity supplying water for public or community supplies.

# CHECKLIST FOR FILING AN APPLICATION FOR A GROUND AND/OR SURFACE WATER WITHDRAWAL PROJECT IN THE DELAWARE RIVER BASIN

**PLEASE COMPLETE CHECKLIST AND ENCLOSE WITH THE  
APPLICATION.**

If you need assistance, call the Project Review Branch - (609) 883-9500, extension 216  
or refer to the DRBC website at <http://www.nj.gov/drbc/>

Applicant Name (Legal Name): \_\_\_\_\_

Existing Docket Number (if applicable): \_\_\_\_\_

Description of Project or Purpose for Applying to the Commission: \_\_\_\_\_

\_\_\_\_\_

- Type of Application:
- Ground Water Withdrawal.....
  - Surface Water Withdrawal.....
  - Renewal of Existing Withdrawal:
    - With Increased Allocation .....
    - Without Increased Allocation .....
    - No Change in Service Area .....
    - Change in Service Area .....

<u>ITEM</u>	<u>ENCLOSED</u>	<u>N/A</u>
Withdrawal Application.....	<input type="checkbox"/>	
Applicant's Statement – Project Review Fee form.....	<input type="checkbox"/>	
Project Review Fee (Agencies, authorities or commissions of the signatories to the Compact are exempt from such project review fee. Political subdivisions of the signatory states, however, shall be subject to the fee.).....	<input type="checkbox"/>	
Copy of Well Registration Form.....	<input type="checkbox"/>	
Interbasin Transfer Analysis (Question 8d).....	<input type="checkbox"/>	<input type="checkbox"/>
Location Map (Question 12).....	<input type="checkbox"/>	<input type="checkbox"/>
Service Area Map (Question 13).....	<input type="checkbox"/>	<input type="checkbox"/>
Flood Plain Map (Question 14a).....	<input type="checkbox"/>	<input type="checkbox"/>
Drawing of Pump House Floor Flood-Proofed to 100-Year Flood Elevation (Question 14b).....	<input type="checkbox"/>	<input type="checkbox"/>
Chemical and Bacterial Analysis (Question 17).....	<input type="checkbox"/>	<input type="checkbox"/>
Wetland Certification (Question 18).....	<input type="checkbox"/>	<input type="checkbox"/>
Engineering Study for Remediation Projects (Question 19).....	<input type="checkbox"/>	<input type="checkbox"/>
Copy of Application to State Agency or Copy of State Approval (Question 20).....	<input type="checkbox"/>	<input type="checkbox"/>
Water Conservation Plan:		
Golf Course (Question 15).....	<input type="checkbox"/>	<input type="checkbox"/>
Public Water Purveyor (Question 22).....	<input type="checkbox"/>	<input type="checkbox"/>
Drought Emergency Plan (Question 23).....	<input type="checkbox"/>	<input type="checkbox"/>
Driller's Log (Question 25).....	<input type="checkbox"/>	<input type="checkbox"/>
Hydrologic Report (Question 26).....	<input type="checkbox"/>	<input type="checkbox"/>



APPLICATION FOR A GROUND OR SURFACE WATER WITHDRAWAL PROJECT IN THE DELAWARE RIVER BASIN

SECTION A: APPLICANT INFORMATION

Pursuant to the Delaware River Basin Compact and the Rules of Practice and Procedure of the DRBC, application is hereby made for review of the project described below:

1. General Information: (please print or type)

Applicant Name (Legal Name: \_\_\_\_\_)

Parent Corporation Name, if different: \_\_\_\_\_

Contact Name and Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Representing Attorney Name, if applicable: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

2. Affidavit:

State or Commonwealth of \_\_\_\_\_, County of \_\_\_\_\_. I, \_\_\_\_\_ being duly sworn, according to law, depose and say that I have the authority to make this application and that the plans, reports and documents submitted as part of the application are true and correct to the best of my knowledge and belief.

Sworn and subscribed to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public<sup>1</sup>

\_\_\_\_\_  
Signature and Title of Responsible Official

<sup>1</sup>Applications for withdrawal for agricultural irrigation are not required to be notarized.

**3. Consultant Information:**

Name of Engineer/Geologist: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

Signature of Consultant \_\_\_\_\_

Engineer/Geologist/Hydrogeologist Seal

**SECTION B: PURPOSE OF WITHDRAWALS**

**4. Purpose of Withdrawals:** (check all that apply)

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Bottled water operations | <input type="checkbox"/> Irrigation:         | <input type="checkbox"/> Snowmaking    |
| <input type="checkbox"/> Fire suppression         | <input type="checkbox"/> Agricultural        | <input type="checkbox"/> Other - _____ |
| <input type="checkbox"/> Fish hatchery            | <input type="checkbox"/> Golf Course         | <input type="checkbox"/> Other - _____ |
| <input type="checkbox"/> Ground water remediation | <input type="checkbox"/> Nursery             | <input type="checkbox"/> Other - _____ |
| <input type="checkbox"/> Industrial cooling       | <input type="checkbox"/> Other - _____       |  |
| <input type="checkbox"/> Industrial process       | <input type="checkbox"/> Public water supply |  |

**SECTION C: WATER DEMANDS**

**5. Present water use for all existing wells and surface water sources serving the system:**

Water Use	Population Served <sup>1</sup>	Service Connections <sup>1</sup>	Self-Supplied Ground (mgd)		Self-Supplied Surface (mgd)		Interconnections (mgd)		Total (mgd)		Estimated Consumptive Use (%) <sup>2</sup>
			Average	Maximum	Average	Maximum	Bulk Purchase	Bulk Sale	Average	Maximum	
Domestic Supply											
Commercial											
Industrial Process											
Industrial Cooling											
Irrigation											
Other _____ (Specify)											
<b>Total Water Use</b>											

**6. Projected water use (10 years from application date) for all existing and new wells and surface water sources serving the system:**

Water Use	Population Served <sup>1</sup>	Service Connections <sup>1</sup>	Self-Supplied Ground (mgd)		Self-Supplied Surface (mgd)		Interconnections (mgd)		Total (mgd)		Estimated Consumptive Use (%) <sup>2</sup>
			Average	Maximum	Average	Maximum	Bulk Purchase	Bulk Sale	Average	Maximum	
Domestic Supply											
Commercial											
Industrial Process											
Industrial Cooling											
Irrigation											
Other _____ (Specify)											
<b>Total Water Use</b>											

<sup>1</sup> Water purveyors only.

<sup>2</sup> Consumptive use is water withdrawn that is not returned to the surface or ground waters.

**7. Requested allocation from existing and new well(s) and/or intake(s):**

	Well or Intake Designation	Requested Allocation (mg/30 days)		Well or Intake Designation	Requested Allocation (mg/30 days)
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
<input type="checkbox"/> Existing			<input type="checkbox"/> Existing		
<input type="checkbox"/> New			<input type="checkbox"/> New		
Column Total			Column Total		
Total – All Sources					
If requested total allocation is less than “Total – All Sources” above, indicate total requested allocation					

If any of the above wells are replacements, provide well designation and reason for replacement:

---



---



---





**8b. Surface water withdrawal – rivers, streams, creeks, springs, and brooks:**

**Existing and New Intakes:**

	Intake Designation	Latitude/ Longitude (DMS)	Municipality and County	Name of Surface Water Body	Q <sub>7-10</sub> <sup>1</sup>	Nearest USGS Gauging Station	Drainage Area (square miles)	Date Intake Constructed	Pump Capacity <sup>2</sup> (mgd)
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									

<sup>1</sup> Q<sub>7-10</sub>: A statistical estimate of the lowest average flow during a consecutive 7-day period with an average recurrence interval of 10 years.

<sup>2</sup> If gravity-fed, give maximum hydraulic capacity and label as such.

**8c. Ponds, lakes, intake dams, reservoirs, and storage dams:**

	Intake Designation	Latitude/Longitude (DMS)	Municipality and County	Name of Surface Water Body	Date Intake Constructed	Pump Capacity <sup>1</sup> (mgd)	Drainage Area (square miles)	Surface Area (acres)	Storage Capacity (mg)
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									
<input type="checkbox"/> Existing <input type="checkbox"/> New									

<sup>1</sup> If gravity-fed, give maximum hydraulic capacity and label as such.

**8d. Import/Export:**

Well or Intake Designation	Basin (Atlantic, Delaware River, Susquehanna River etc.)	Amount Being Imported into the Delaware River Basin (mgd) <sup>1</sup>	Amount Being Exported from the Delaware River Basin (mgd) <sup>1</sup>	Purpose of Withdrawal
Totals				

<sup>1</sup> Use zeros if not applicable.

The diversion or transfer of water from (exportation) or to (importation) the Delaware River Basin whenever the design capacity of such transfer is an average daily rate of 100,000 gallons is subject to the review and approval of the Commission. All projects involving such transfers must be submitted to the Commission for review and determination under Section 3.8 of the *Compact*, and inclusion within the *Comprehensive Plan*. The applicant shall address the items listed below as directed by the Executive Director and submit with this application, and the Commission will consider the following items in addition to issues that may relate specifically to that project:

- A. Efforts to first develop or use and conserve the resources outside of the Delaware River Basin.
- B. Water resource impacts of each alternative available including the "no project" alternative.
- C. Economic and social impacts of the importation or exportation and each of the available alternatives including the "no project" alternative.
- D. Amount, timing and duration of the proposed transfer and its relationship to passing flow requirements and other hydrologic conditions in the Basin, and impact on instream uses and downstream waste assimilation capacity.
- E. Benefits that may accrue to the Delaware River Basin as a result of the proposed transfer.
- F. Volume of the transfer and its relationship to other specified actions or Resolutions by the Commission.
- G. Volume of the transfer and the relationship of that quantity to all other diversions.
- H. Any other significant benefit or impairment which might be incurred to the Delaware River Basin as a result of the proposed transfer.



**SECTION E: TREATMENT**

**Withdrawal applications for irrigation are not required to complete questions 9 and 10 of Section E.**

**9. Waste water disposal information:**

a. Describe the method of treatment and disposal of wastewater from the project service area:

Conveyed to a treatment plant     On-lot septic system     Other: \_\_\_\_\_

b. If wastewater is discharged to a treatment plant, please provide:

Treatment Plant 1:

Name or Owner: \_\_\_\_\_

NPDES Permit No.: \_\_\_\_\_

Location: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Design Capacity: \_\_\_\_\_ mgd, Current Operating Load: \_\_\_\_\_ mgd.

Present treatment plant efficiency: \_\_\_\_\_%

Treatment Plant 2:

Name or Owner: \_\_\_\_\_

NPDES Permit No.: \_\_\_\_\_

Location: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Design Capacity: \_\_\_\_\_ mgd, Current Operating Load: \_\_\_\_\_ mgd.

Present treatment plant efficiency: \_\_\_\_\_%

**10. Water Treatment Plant Information:** If raw water is conveyed to a water treatment plant prior to entering the distribution system, please provide the following information:

Name or Owner of Treatment Plant: \_\_\_\_\_

NPDES Permit No. for Discharge of Backwash: \_\_\_\_\_

Location: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Design Capacity: \_\_\_\_\_ mgd

**11. Method of Treatment (all applicants):** Will the water withdrawn receive any treatment prior to use?  Yes  No. If yes, describe: \_\_\_\_\_

**SECTION F: ADDITIONAL INFORMATION**

12. Attach map (preferably USGS Quadrangle) indicating location of new withdrawals and all existing project water sources, including existing wells, surface water intakes and interconnections.
13. Water purveyors only: Enclose a map showing the areas served by the applicant and any new increase in service area as a result of the project.
14. Neither the pump house, water treatment facilities, well, nor ancillary equipment may be located within the 100-year floodway.
  - a. Submit a site map showing the locations of the 100-year flood plain and floodway boundaries (as indicated by the Flood Insurance Study for the project municipality) in relation to the well(s), pump houses and water treatment facilities. If a Flood Insurance Study has not been completed for the project municipality, supply a copy of the Official Flood Hazard Boundary Map of the site and indicate the locations of the new well(s) and pump house.
  - b. If the pump house is located in the flood fringe area, submit a drawing indicating that the pump house floor and all critical equipment are located at least one foot above the 100-year flood elevation, or flood-proofed to that elevation.
15. If application regards irrigation of a golf course, the applicant should refer to the attached Water Conservation Guidelines for Golf Courses, and the applicant should submit an operating plan that addresses the components outlined therein. Additionally, the following information should be provided:

Total **property** acreage: \_\_\_\_\_ acres.      Number of Holes: \_\_\_\_\_

Acreage to be **irrigated**:

Fairways		acres
Tees		acres
Greens		acres
Other <sup>1</sup>		acres
Total		acres

Describe method<sup>2</sup> for estimating irrigated acreage: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<sup>1</sup> Other includes any other irrigated area, for example rough surrounding fairways and greens.

<sup>2</sup> The acreage to be irrigated must be an accurately represented area, and should reflect only those areas that are contained within the irrigation system.

- 16.** If the use is agricultural, provide a description of the type of crop and the Agricultural Extension Service water requirement recommendations:

Type of crop(s): \_\_\_\_\_. \_\_\_\_\_ inches/year.

- 17.** Water purveyors only: Include chemical and bacterial analysis of the water from the new well(s).
- 18.** Identify all wetlands in the vicinity of the project on a map. No wells or related structures are to be located within a wetland. (Wetlands are defined in the Water Code, Section 2.350.1.) **Each application shall include a signed statement that the project is or is not located within a wetland.**
- 19.** If the withdrawal is part of a ground water remediation project, submit copies of any engineering studies on the nature and extent of the contamination and the new remediation program.
- 20. Prior or pending state or federal permits:**

Type of State Permit(s) Required for Project	Status <sup>1</sup>	Agency	Permit Issue Date	Permit Number

<sup>1</sup> If not applicable, list (NA); if approved, (A); if pending, (P); if required but not applied for, (R).

**Attach a copy of the application submitted to the appropriate state agency (if applicable), or if wells/intakes have already been approved by the state, copy of permit for new wells/intakes from the appropriate state agency.**

21. Indicate the System Storage: \_\_\_\_\_ mg, \_\_\_\_\_ days supply.

22. Water Purveyors Only:

a. **All purveyors seeking DRBC approval for a new or expanded water withdrawal must include a water conservation plan, addressing the following components:**

Source Metering (No. 86-12, amended by Resolution No. 2001-8)

- Meter type/method.
- Meter reading and recording procedure.
- Meter calibration, maintenance and replacement schedule.

Service Metering (No. 87-7 Revised, amended by Resolution No. 2001-8)

- Confirm all connections metered. If not, include schedule for 100% service metering.
- Meter types.
- Meter reading and recording procedure.
- Meter calibration, maintenance and replacement schedule.
- Water rate schedule (is billing based on metered usage?)
- \*Purveyor program to provide residential customers with information on
  - savings available through water conservation;
  - different methods of residential water conservation; and
  - availability of water conservation devices.

Leak Detection & Repair (LD&R) (No. 87-6 Revised)

- Completed Plan or Executive Summary (Pennsylvania Applicants may substitute an LD&R Compliance Report)

Water Conservation Performance Standards (No. 88-2 Rev. No. 2)

- Status of municipal regulations in applicant's service area (Pennsylvania only).
- Adopted policy to certify or verify that "no new service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision No. 2)."

Rationing Plan – Describe the water rationing plan, including triggers and implementation schedules. \_\_\_\_\_

\*Recommended.

b. **All purveyors withdrawing 1 million gallons per day or more shall also include the following:**

Water Conservation (No. 81-9)

- Provision of information on the availability of water-conserving devices and procedures.
- A contingency plan including use priorities and emergency conservation measures to be instituted in the event of a drought or other water shortage condition.

Retail Water Pricing (No. 92-2) (This requirement is waived if the purveyor either documents it has adopted a water conserving pricing structure or is in the process of implementing such a pricing structure in accordance with a Commission schedule or a schedule established by the appropriate state public utilities commission.)

- An evaluation of the feasibility of implementing a water conservation pricing structure and billing program. The evaluation shall, at a minimum, consider:
  - The potential change in the quantity of water demanded for customer classes and their end uses of water during both peak and non-peak periods stemming from alternative water conservation pricing structures;
  - The potential revenue effects of the alternative pricing structures;
  - Any legal or institutional changes necessary or desirable to implement a water conservation pricing structure; and
  - How conservation pricing could be coordinated with other conservation programs and measures to reduce both average and peak water use.

23. Drought Emergency Plan: (All projects with a total system water withdrawal in excess of 1.0 mgd or any withdrawal project in the Southeastern Pennsylvania Ground Water Protected Area.) A drought emergency plan shall be prepared by each person, firm, corporation or other entity withdrawing ground water for purposes of municipal or public, industrial, or commercial water supply. Such plans shall be filed with this application.

24. If application regards industrial water use, provide a breakdown of water use as percentages for cooling/non-contact cooling, process, sanitary, etc.: \_\_\_\_\_

25. Driller's Log – Attach separate sheet describing the nature and depth interval of subsurface materials and water bearing zones encountered during drilling of each new well.

26. For all new wells (except agricultural irrigation wells in the coastal plain aquifer), submit a Final Hydrogeologic Report detailing extended pump test procedures, results and analyses.

The Final Hydrogeologic Report must include a discussion of the field procedures, a listing of all the data gathered, an analysis of the data and an evaluation of the new diversion on the aquifer and all other ground water and surface water users. All relevant data including water level charts, tables, graphs, etc., for the pumped well, monitoring wells, and nearby perennial stream and/or wetlands/sensitive environment sites shall be submitted. The pumping test shall be of not less than 48 hours pumping duration and at an uninterrupted, constant withdrawal rate of not less than the proposed rate. Required information to be collected includes, but is not limited to the following:

- 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 beginning of pumping.
- d. Pumping and recovery measurements in the pumped well and observation wells should be made.
- e. Wells, sufficient to determine all possible interference, shall be monitored.
- f. Records of precipitation, measurements or observations of nearby streamflows, and weather conditions throughout the test.

g. Attach map identifying all nearby wells owned by others that could be affected by pumping of the new well(s) and complete the following questions for each well (copy pages as needed).

Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

-----  
Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

-----

Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

-----

Name of Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Well No.: \_\_\_\_\_, Type of Use: \_\_\_\_\_

Date Drilled: \_\_\_\_\_, Depth Drilled: \_\_\_\_\_ feet, Diameter: \_\_\_\_\_ inches.

Casing Diameter: \_\_\_\_\_ inches, Casing Depth: \_\_\_\_\_ feet.

Well Screen: \_\_\_\_\_ Top of Screen: \_\_\_\_\_ feet, Bottom of Screen: \_\_\_\_\_ feet.

Pump Type: \_\_\_\_\_

Capacity: \_\_\_\_\_ gpm, Intake Setting: \_\_\_\_\_ feet.

Describe location of well on property: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_