

Enclosure 1

Form 24-G Groundwater Withdrawal Application



Susquehanna River Basin Commission

a water management agency serving the Susquehanna River Watershed

Ground-Water Withdrawal Application

1. Applicant Information:

Company Name PPL Bell Bend, LLC

Mailing Address 38 Bomboy Lane

Suite 2

City Berwick State PA Zip 18603

Contact Person Mike Caverly Title VP- Bell Bend Project Development

Telephone (570)802-8111 Fax (570)502-8119 E-mail mjcaverly@pplweb.com

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

State PA County Luzerne

Municipality Salem Twp.

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): Construction Dewatering (Temporary)

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

Well Number 1 - 0.5 mgd.

Well Number _____ - _____ mgd.

Well Number _____ - _____ mgd.

Well Number _____ - _____ mgd.

5. Total combined withdrawal from proposed well(s) 0.5 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	0	0
Maximum Daily Water Demand	0	0
System Capacity ⁴	1.0	0.5 (following initial pump- down)

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. 1 Geologic Formation Glacial Overburden
 Date Drilled TBD Well Driller TBD
 Depth Drilled ~58 ft ft Diameter 24 - 36 in
 Casing: Min. Diameter 12 in Max. Length 46 ft
 Well Screen: Type SS 12" PS 25 slot (0.025") Diameter 12 in
 Top of Screen 46 ft Bottom of Screen 60 ft
 Well Yield TBD gpm Specific Capacity TBD gpm/ft
 Permanent Pump: Type submersible
 Capacity TBD gpm Intake Setting TBD ft
 Air Line Depth TBD ft Type of Metering TBD

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 PPL Susquehanna LLC Phone 570-542-3445
Address 769 Salem Blvd., Berwick, PA 18603-0467
Well No. 129135 Well Use Not in Use
Date Drilled 8-26-1981 Well Driller Unknown
Well Depth 225 ft Estimated Yield 35 gpm
Depth to Water-Bearing Zone(s) 7.0 ft Screened Interval Unknown ft to ft
Pump Type N/A Pump Intake Setting N/A ft
Distance from Proposed Well(s) 1700 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:

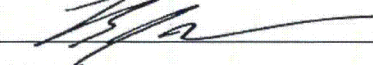
NOTE: Review and approval by the Susquehanna River Basin Commission of the test procedures to be used by the applicant are necessary before the test is started.

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:

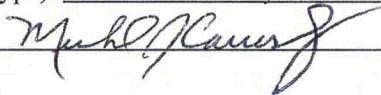
- a. Date and time of all static, pumping, and recovery water level measurements.
- b. Record of pumping rate measured frequently throughout the test.

- 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 Benjamin J. Ehrhart, PE
Title Water Resources Engineer
Company LandStudies, Inc.
Address 315 North Street
Lititz, PA 17517
Phone (717)627-4440 Fax (717)627-4660
Signature 
Date 12-9-11 E-mail Address ben1@landstudies.com

13. Applicant:

Name (print or type) Michael J. Caverly Title VP Bell Bend Project-Development
Signature  Date 1/5/12

