



SUSQUEHANNA RIVER
BASIN COMMISSION

4423 N. Front Street | Harrisburg, PA 17110-1788 | 717.238.0423 | srbc.net

NY ■ PA ■ MD ■ USA

June 1, 2017

TO ALL CONCERNED:

At the March 9, 2017, Commission meeting, the draft minutes of the December 8, 2016, Commission meeting were approved as written. Please attach this notice to your copy of the December 8, 2016, minutes.

- DRAFT -

SUSQUEHANNA RIVER BASIN COMMISSION
4423 N. FRONT ST.
HARRISBURG, PA 17110

**MINUTES OF THE
SUSQUEHANNA RIVER BASIN COMMISSION
March 9, 2017
#2017-01**

The meeting was held at the Radisson Lackawanna Station Hotel in Scranton, Pennsylvania. Chairwoman Kearney called the meeting to order at 9:00 a.m.

ROLL CALL

Commissioners Present

Ms. Jennifer Orr, Director, Compact and Commissions Office, Pennsylvania Dept. of Environmental Protection

Ms. Virginia Kearney, Deputy Director, Water Management Administration, Maryland Dept. of the Environment (MDE)

Brig. Gen. William H. Graham, Commander, U.S. Army Corps of Engineers (USACE), North Atlantic Division

Mr. Paul J. D'Amato, Region 8 Director, New York State Dept. of Environmental Conservation (NYSDEC)

Alternate Commissioners Present

Mr. Saeid Kasraei, Program Administrator, Water Supply Program, MDE

Col. Edward Chamberlayne, District Engineer, USACE, Baltimore District

Ms. Amy Guise, Chief Planning Division, USACE

Staff Present

Mr. Andrew D. Dehoff, Executive Director

Mr. Andrew J. Gavin, Deputy Executive Director

Ms. Marcia Hutchinson, Director, Administration & Finance

Ms. Stephanie L. Richardson, Secretary to the Commission

Mr. Jason Oyler, General Counsel

Ms. Gwyn Rowland, Manager, Governmental & Public Affairs

Mr. John W. Balay, Manager, Planning & Operations

Ms. Paula B. Ballaron, Manager, Policy Implementation & Outreach

Mr. Todd D. Eaby, Manager, Project Review

Mr. Brydon Lidle, Manager, Information Technology

Mr. Eric Roof, Manager, Compliance & Enforcement

Mr. Jamie Shallenberger, Manager, Monitoring & Protection

Also Present

Mr. Hank Gruber, USACE, North Atlantic Division *Mr. Ricardo Hererra*, USACE, North Atlantic Division

1. Opening Remarks from the Chair

Chairwoman Kearney opened the meeting by outlining the rules of conduct for the meeting. She noted that a public hearings were previously held on February 2, 2017. The Commissioners introduced themselves.

2. Minutes of December 8, 2016, Commission Meeting

On a motion by Commissioner Orr, seconded by Commissioner Graham, the minutes of the regular business meeting of December 8, 2016, were unanimously approved as written.

3. Revised FY2018 Budget

Director of Administration and Finance, Marcia Hutchinson, presented a revised budget for FY2018, which covers the time period of July 1, 2017, through June 30, 2018.

On a motion by Commissioner D'Amato, seconded by Commissioner Graham, the Commission unanimously adopted Resolution 2017-01 (Exhibit A).

4. Grants

Ms. Hutchinson presented the following requests:

a. Grant Amendment Approval – Enhanced Nutrient and Sediment Monitoring of Chesapeake Bay (Pennsylvania Department of Environmental Protection)

Staff requested approval of this grant amendment, which provides an additional \$329,951 of funding to cover calendar year 2017 of this grant effort. Staff will continue to collect, analyze and report New York, Pennsylvania, and Maryland non-tidal tributary monitoring data collected from 26 locations in the Susquehanna River Basin. Monitoring efforts include both monthly monitoring samples and targeted high flow water quality samples. Efforts are designed to measure nutrient and suspended sediment water quality at various sites within the Susquehanna River Basin in support of Chesapeake Bay restoration activities. PADEP will provide the \$329,951 necessary for this project.

b. Grant Ratification – Chesapeake Bay Midpoint Assessment (Pennsylvania Department of Environmental Protection)

Staff requested ratification of this grant agreement, which provides \$185,000 for technical support for the Chesapeake Bay Program Office. Commission staff will provide assistance to PADEP in fulfilling its Chesapeake Bay Mid-Point Assessment tasks pursuant to its Bay Agreement with the U.S. Environmental Protection Agency. Specific support activities include calibration and fatal flaw review of the Phase 6 Watershed Model, recommendations for Local Area Targets, development of a draft Phase 3 Watershed Implementation Plan (WIP);

modeling forecasts for 2025 conditions, participation on Bay-related work groups and expert panels, and assistance with policy/program stakeholder outreach activities. PADEP will provide the \$185,000 to complete this project.

On a motion by Commissioner Graham, seconded by Commissioner D'Amato, the Commission unanimously approved the grant approval and grant ratification.

5. Resolution Setting a Five-Year Docket Term for Withdrawals related to Natural Gas

General Counsel Jason Oyler presented Resolution 2017-02 (Exhibit B) for consideration and adoption. The resolution will set a five-year docket term for withdrawals related to unconventional natural gas under the discretion provided in 18 C.F.R. § 806.31(a). This would align the terms of docket approvals for unconventional natural gas water withdrawals and other hydrocarbon development projects with the five-year terms for unconventional natural gas consumptive water use approvals under 18 C.F.R. § 806.22(f)(10).

On a motion by Commissioner Orr, seconded by Commissioner Graham, the Resolution was unanimously adopted.

6. Report on Delegated Settlements

Mr. Oyler reported on five delegated settlements staff completed over the previous quarter. Pursuant to SRBC Resolution No. 2014-15, the Executive Director entered into the following settlements to resolve compliance and enforcement matters:

A settlement with Talen Energy Corp./Susquehanna Nuclear (Talen):

- Talen operates a nuclear power plant located in Berwick, Pa. under Docket Nos. 19950301 and 19950301.1.
- Talen has exceeded the approved maximum daily water withdrawal from the Susquehanna River 28 days and the approved maximum consumptive water use 14 days since the third quarter 2015.
- While no environmental harm from these violations was documented, exceeding the maximum water withdrawal limit is a type of violation that poses a greater likelihood of harm to the environment.
- Talen has submitted an application for a major modification to its docket to increase its authorized water withdrawal by an additional 10 million gallons per day and increase its consumptive water use limit by an additional 5 million gallons per day.
- The settlement is \$9,000.

A settlement with Sugar Hollow Trout Park and Hatchery (Sugar Hollow):

- Sugar Hollow operates a water withdrawal under Docket No. 20160610 that sells water to the natural gas industry and is located in Eaton Township, Wyoming County. The docket also allows Sugar Hollow to use the water for operation of a trout hatchery; however, currently the property is not being used to raise trout.

- Upon a routine compliance inspection, staff discovered that the facility had operated when it should have been on passby for two days.
- This is the first compliance issue for Sugar Hollow.
- The settlement is \$2,000.

A settlement with Mount Nittany Medical Center (Mount Nittany):

- Mount Nittany is a hospital facility located in Centre County, Pa., that had been operating without approval from SRBC.
- Compliance staff contacted Mount Nittany seeking information on their consumptive water usage.
- Mount Nittany supplied the requested data and it was determined that the facility exceeded the regulatory threshold for consumptive water use around April 2014.
- Mount Nittany has received an Approval by Rule from the Commission for its consumptive use of water.
- The settlement is \$8,993.75. This figure includes an element of consumptive water use mitigation fees that would have accrued if the project sought approval in April 2014 for its consumptive water use.

A settlement with Toggenburg Mountain Winter Sports Center (Toggenburg):

- Based on information provided by Toggenburg, compliance staff determined that the project underwent a change of ownership in October 2015 that forfeited the grandfathered status of its surface water withdrawal and consumptive water use.
- Pursuant to 18 C.F.R. §§ 806.4(c) and 806.6, Toggenburg was required to file a transfer application so that it could continue to operate under the grandfathering exemption while the Commission set a schedule for Toggenburg to submit surface water withdrawal and consumptive water use applications.
- Toggenburg has submitted the transfer paperwork and is on a schedule to submit the necessary applications.
- The settlement is \$3,500.

A settlement with Moxie Freedom LLC (Moxie):

- Moxie operates a natural gas fired power plant in Salem Township, Luzerne County, Pennsylvania under Docket No. 20150607 for a groundwater withdrawal and consumptive water use.
- For 96 days, Moxie consumptively used water from unapproved sources for dust suppression at the site during facility construction.
- No documented environmental harm resulted from the violations and Moxie did not exceed the consumptive water use limit in its Docket.
- The settlement is for \$8,500.

7. Docket Actions

Mr. Eaby presented a staff memorandum containing details and recommendations regarding the following list of project applications:

- | | | | |
|------|--|--------|---|
| 1. | Anadarko E&P Onshore LLC (West Branch Susquehanna River). Lycoming County, Pa. (Exhibit C1) | 12-13. | Silver Springs Ranch, LLC, Wyoming County, Pa. (Exhibit C6) |
| 2. | Cabot Oil & Gas Corporation (Meshoppen Creek) Wyoming County, Pa. (Exhibit C2) | 14. | SUEZ Water Pennsylvania, Inc, (Gephart Well), Luzerne County, Pa. (Exhibit C7) |
| 3-4. | Crossgates Golf Course, Lancaster County, Pa. (Exhibit C3) | 15. | SWEPI LP (Pine Creek) Potter County, Pa. (Exhibit C8) |
| 5. | DS Services of America, Inc.,(Well 4) Lancaster, Pa. | 16. | Talen Energy Corporation (Wells PW-1 and PW-6), York County, Pa. |
| 6. | DS Services of America, Inc.,(Well 5) Lancaster, Pa. | 17. | Talen Energy Corporation (Wells PW-1), York County, Pa. |
| 7. | King Valley Golf Club, Inc. (Boiling Springs Run) Bedford County, Pa. | 18. | Talen Energy Corporation (Wells PW-6), York County, Pa. |
| 8. | King Valley Golf Club, Inc., Kimmel Township, Bedford County, Pa. | 19. | Repsol Oil & Gas USA, LLC (formerly Talisman Energy USA Inc.) (Sugar Creek) Bradford County, Pa. (Exhibit C9) |
| 9. | Mount Joy Borough, (Well 3), Lancaster, Pa. | 20. | West Manchester Township Authority (Well 7) York County, Pa. (Exhibit C10) |
| 10. | Pennsylvania Department of Environmental Protection, (Hollander Well), Lancaster, Pa. (Exhibit C4) | 21. | York County Solid Waste and Refuse Authority, York County, Pa. (Exhibit C11) |
| 11. | Pennsylvania General Energy Company, LLC (First Fork Sinnemahoning Creek), Potter County, Pa. (Exhibit C5) | | |
- Highlight** = Staff recommended tabling.

Commissioner Graham moved and Commissioner D’Amato seconded a motion that the Commission adopt the recommendations of staff for the 21 project applications. The motion was unanimously approved.

ADJOURNMENT

Commissioner Orr moved and Commissioner Graham seconded a motion that the meeting be adjourned. Chairwoman Kearney adjourned the meeting at 9:27 a.m.

Date Adopted

Stephanie L. Richardson

RESOLUTION NO. 2017-01

A RESOLUTION of the Susquehanna River Basin Commission (the "Commission") revising the Fiscal Year (FY) 2018 budget.


WHEREAS, in June 2016, the Commission adopted a preliminary budget covering the period July 1, 2017, to June 30, 2018 (FY-2018), and submitted that budget to the member jurisdictions for their consideration; and

WHEREAS, after due consideration by the member jurisdictions and the receipt of other fiscally related information affecting the final formulation of the FY-2018 budget, it is necessary to revise that budget before it takes effect on July 1, 2017.

NOW THEREFORE BE IT RESOLVED THAT:

1. The FY-2018 budget is hereby revised in accordance with the revisions presented this day to the Commission by the Director of Administration & Finance.
2. This resolution shall be effective immediately.

Dated: March 9, 2017



Virginia Kearney, Chair
Maryland

RESOLUTION NO. 2017-02

A RESOLUTION of the Susquehanna River Basin Commission (the “Commission”) setting a five-year docket term for withdrawals related to unconventional natural gas and other hydrocarbon development projects.

WHEREAS, Section 806.31 of the regulations provides that “[a]pprovals issued under this part shall have a term equal to the term of any accompanying member jurisdiction approval regulating the same subject matter, but not longer than 15 years, unless an alternate period is provided for in the Commission approval” (18 C.F.R. § 806.31(a)); and

WHEREAS, the Commission has exercised its discretion under the regulations to provide a limited term of four years for water withdrawals associated with unconventional natural gas development because a shorter term allows the Commission to better consider evolving water acquisition strategies and other changes in industry practices and allows the Commission to more frequently adjust necessary management practices, procedures, reporting requirements, and demand projections; and

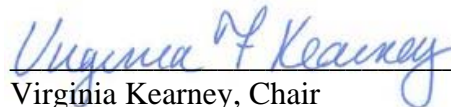
WHEREAS, the Commission, using an identical rationale, set the terms for consumptive use approvals for unconventional natural gas and other hydrocarbon development projects at five years under 18 C.F.R. § 806.22(f)(10); and

WHEREAS, the Commission desires to use the discretion provided under 18 C.F.R. § 806.31(a) to align the terms for consumptive uses and water withdrawals for unconventional natural gas and other hydrocarbon development projects.

NOW THEREFORE BE IT RESOLVED THAT:

1. In general, the Commission will approve dockets for water withdrawals for natural gas and other hydrocarbon development projects with a five-year term.
2. This resolution is intended as a general statement of policy on how the Commission intends to exercise its discretion under 18 C.F.R. § 806.31(a). The Commission may deviate from this policy as circumstances may warrant.
3. This resolution shall be effective immediately.

Dated: March 9, 2017



Virginia Kearney, Chair
Maryland



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

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Docket No. 20170301

Approval Date: March 9, 2017

ANADARKO E&P ONSHORE LLC

**Surface Water Withdrawal (Peak Day) of up to 0.720 mgd
from the West Branch Susquehanna River**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 20130301 that was originally approved March 21, 2013, with a peak day withdrawal rate of 0.720 million gallons per day (mgd) and special flow protection requirements. The project sponsor did not request any changes to the conditions of the original docket. Commission staff recommended updated special flow protection requirements consistent with current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Anadarko E&P Onshore LLC
Approval Type:	Surface Water Withdrawal
Past Docket No.:	20130301
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Nippenose Township
County:	Lycoming County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	West Branch Susquehanna River
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020606 (West Branch Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 41.200417 N Long: 77.239722 W
Site Flow Statistics (cfs):	Q7-10 = 532; Average Daily Flow = 8,310
Impairment:	Metals; Polychlorinated Biphenyl (PCB)
Drainage Area (square miles):	5,230
Aquatic Resource Class*:	6
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.720 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	1,000 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01551500; West Branch Susquehanna River at Williamsport, Pennsylvania	
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	--	--
February	--	--
March	--	--
April	--	--
May	--	--
June	--	--

Approved Withdrawal Quantities and Limitations (continued)		
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
July	--	--
August	--	--
September	494	538
October	547	595
November	--	--
December	--	--
USGS– U.S. Geological Survey 1 cfs = 448.8 gallons per minute (gpm)		-- – No special flow protection required * Flow Protection Threshold

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff. Any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project’s withdrawal and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and

are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. Within sixty (60) days from notice of this approval, the project sponsor shall post an updated sign that meets Commission specifications and displays required project description information. Signage specifications can be found at the Commission's website (www.srbc.net), along with example sign templates for reference. The sign shall be maintained for the duration of the approval. Such sign shall be posted at the point of entry or access to the project facility from a public right-of-way. If there is any restriction to access at such point that would prevent an interested person from legibly viewing such sign, then the project sponsor shall post the sign at the nearest location to such point, along the route of ingress and egress to same, where an interested person would have unrestricted access to legibly view such sign. The project sponsor shall submit photographs as proof of installation of the updated sign.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

Section 6. Special Conditions

19. Effective April 1, 2017, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow is equal to or exceeds such flow protection threshold.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. The date of the last meter certification was July 22, 2015; therefore, the next meter certification is due no later than July 22, 2020. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Except as authorized pursuant to Special Condition 24, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon

development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 24, including daily quantities supplied.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

25. The project sponsor shall demonstrate to the satisfaction of the Commission that appropriate controls and treatment to prevent the spread of aquatic nuisance species are employed at the water withdrawal site.

Section 7. Term

26. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2022. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2021, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

27. Commission Docket No. 20130301 shall remain effective through March 31, 2017, whereupon it shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170302
Approval Date: March 9, 2017

CABOT OIL & GAS CORPORATION

**Surface Water Withdrawal (Peak Day) of up to 0.500 mgd
 from Meshoppen Creek**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission’s Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 20121202 that was originally approved December 14, 2012, and modified September 19, 2013, as Commission Docket No. 20121202-1. The project sponsor did not request any changes to the conditions of the original docket. Commission staff recommended updated special flow protection requirements consistent with current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Cabot Oil & Gas Corporation
Approval Type:	Surface Water Withdrawal
Past Docket Nos.:	20121202 and 20121202-1
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Lemon Township
County:	Wyoming County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	Meshoppen Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010608 (Meshoppen Creek)
Water Use Designation:	Cold Water Fishery (CWF)
Withdrawal Location (degrees):	Lat: 41.627325 N Long: 75.944775 W
Site Flow Statistics (cfs):	Q7-10 = 1.5; Average Daily Flow = 47.2
Drainage Area (square miles):	46.2
Aquatic Resource Class*:	2
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.500 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	500 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01534000; Tunkhannock Creek near Tunkhannock, Pennsylvania	
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	14	184
February	17	214
March	37	449
April	40	485
May	21	261
June	9.0	121
July	5.1	74
Approved Withdrawal Quantities and Limitations (continued)		

Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
August	4.5	66
September	4.5	66
October	4.9	72
November	11	147
December	17	219
mgd – million gallons per day 1 cfs = 448.8 gallons per minute (gpm)		USGS– U.S. Geological Survey * Flow Protection Threshold

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff. Any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project’s withdrawal and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission

Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. Within sixty (60) days from notice of this approval, the project sponsor shall post an updated sign that meets Commission specifications and displays required project description information. Signage specifications can be found at the Commission's website (www.srbc.net), along with example sign templates for reference. The sign shall be maintained for the duration of the approval. Such sign shall be posted at the point of entry or access to the project facility from a public right-of-way. If there is any restriction to access at such point that would prevent an interested person from legibly viewing such sign, then the project sponsor shall post the sign at the nearest location to such point, along the route of ingress and egress to same, where an interested person would have unrestricted access to legibly view such sign. The project sponsor shall submit photographs as proof of installation of the updated sign.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to

protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

Section 6. Special Conditions

19. Effective April 1, 2017, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow has remained above such flow protection threshold for 48 hours.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. The date of the last meter certification was March 31, 2015; therefore, the next meter certification is due no later than March 31, 2020. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Except as authorized pursuant to Special Condition 24, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water

from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 24, including daily quantities supplied.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

25. The project sponsor shall demonstrate to the satisfaction of the Commission that appropriate controls and treatment to prevent the spread of aquatic nuisance species are employed at the water withdrawal site.

Section 7. Term

26. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2022. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2021, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

27. Commission Docket Nos. 20121202 and 20121202-1 shall remain effective through March 31, 2017, whereupon they shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson

SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170303

Approval Date: March 9, 2017

CROSSGATES GOLF COURSE

**Surface Water Withdrawal (Peak Day) of up to 0.300 mgd
from the Conestoga River, and
Consumptive Use (Peak Day) of up to 0.300 mgd
from the Conestoga River**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 19910515 that was originally approved May 9, 1991, and modified September 12, 1991 and November 4, 1999, as Commission Docket Nos. 19910515-1 and 19910515-2.

Commission Docket No. 19910515-2 incorrectly noted an expiration date of September 12, 2016, for the prior approval and, as such, the project sponsor submitted application for renewal five (5) years earlier than required by regulations adopted in 1995. Therefore, Commission staff recommended approval of the renewal application with the effective date of May 9, 2021. Staff also recommended that the special flow protection requirements be added to reflect current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Crossgates Golf Course
Approval Types:	Surface Water Withdrawal and Consumptive Use
Past Docket Nos.:	19910515, 19910515-1, and 19910515-2
Authorized Water Use Purpose:	Golf Course Irrigation
Municipality:	Manor Township and Millersville Borough
County:	Lancaster County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	Conestoga River
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030611 (Conestoga River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 39.985237 N Long: 76.344205 W
Site Flow Statistics (cfs):	Q7-10 = 71.2; Average Daily Flow = 574
Impairment:	Pathogens
Drainage Area (square miles):	394
Aquatic Resource Class*:	4
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations	
Peak Day Withdrawal Amount (mgd):	0.300 (Not to Exceed, When Available)
Maximum Instantaneous Withdrawal Rate (gpm):	650 (Not to Exceed)
Flow Protection Type:	Seasonal passby expressed as monthly values
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01576754; Conestoga River at Conestoga, Pennsylvania

Approved Withdrawal Quantities and Limitations (continued)		
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	--	--
February	--	--
March	--	--
April	--	--
May	--	--
June	--	--
July	101	121
August	90	108
September	86	104
October	106	127
November	137	164
December	--	--
mgd – million gallons per day 1 cfs = 448.8 gallons per minute (gpm) * Flow Protection Threshold		USGS – U.S. Geological Survey -- – No special flow protection required

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Approved Consumptive Use Quantities and Limitations

The consumptive use approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Consumptive Use Quantities and Limitations	
Source for Project Consumptive Use:	Conestoga River
Peak Day Consumptive Use Amount (mgd):	0.300 (Not to Exceed)
Authorized Project Consumptive Use:	Golf Course Irrigation
Consumptive Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use is also subject to all other conditions set forth in this docket approval.

Section 6. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal and consumptive use in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals and consumptive uses, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff. Any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project's withdrawal and consumptive use and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. The project's consumptive use is subject to mitigation requirements, as per Commission Regulation 18 CFR § 806.22(b). To satisfy the Commission's current mitigation requirements for consumptive use, the project sponsor shall make quarterly payments to the Commission at the rate specified in the effective Regulatory Program Fee Schedule, as modified from time to time by the Commission. Payments shall be made quarterly and shall be calculated by applying this rate to the total amount of water consumptively used by the project during the preceding calendar quarter. Quarterly payments are due and payable within thirty (30) days after the close of the preceding quarter. The rate of payment, after appropriate notice to consumptive users of water using this method of compliance, is subject to change at the Commission's discretion.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to

inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal or consumptive use that would exceed the amounts listed herein or to add a source used for consumptive use that is not listed in Section 5.

Section 7. Special Conditions

19. Effective May 9, 2021, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage location specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow is equal to or exceeds such flow protection threshold.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage location specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

Section 8. Term

23. This approval shall be effective May 9, 2021, and shall remain effective until June 30, 2036. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before December 31, 2035, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

24. Commission Docket Nos. 19910515, 19910515-1, and 19910515-2 shall remain effective through May 8, 2021, whereupon they shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170304

Approval Date: March 9, 2017

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTH-CENTRAL REGIONAL OFFICE

**Groundwater Withdrawal (Peak Day) of up to 0.020 mgd and
Emergency or Backup Groundwater Withdrawal (Peak Day) of up to 0.173 mgd
from the Hollander Well, and
Total System Withdrawal Limit (30-Day Average) of 0.324 mgd**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that the potential impacts anticipated by the operation of this project are acceptable in the interest of public health and welfare, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

In 2004, groundwater contamination was detected in water quality samples collected from two water supply wells installed to serve a community located southeast of the Village of Intercourse, Pennsylvania. Further investigation by the Pennsylvania Department of Environmental Protection (PADEP) revealed impacts to numerous private drinking water supplies throughout the Village of Intercourse. Due to the extent of contamination, the challenges of remediation, and the number of impacted water supply wells, the PADEP has determined that a public water supply is the best remedy to protect public health. The PADEP is coordinating the design and construction of the public water supply and treatment system to provide potable water to the Village of Intercourse within Leacock Township. Following completion of the construction of the public water supply system, PADEP intends to transfer ownership and operation of the public water supply system to the Leacock Township Municipal Authority.

The Hollander Well has been developed as an emergency or backup well to provide source redundancy to be used when other system sources are unavailable, and was not developed to add additional total capacity to the system. This approval authorizes a daily peak day use to maintain the Hollander Well and establishes conditions under which the Hollander Well may be used as an emergency or backup source.

The public water supply system will include three sources (Hollander Well, Stoltzfus Well, and Township Well), all of which are incorporated into the total system limit.

and to a spring and pond located within 500 feet of the Hollander Well. The potential reduction in flow to Muddy Run is limited by the public water supply return through the publicly owned treatment works which discharges to Muddy Run approximately 4,200 feet downstream from the Hollander Well. Considering the limited nature of the potential impacts and the need for a public water supply for protection of public safety and human health, staff recommends that the limited potential impacts be considered acceptable for an emergency or backup well that is not intended to serve as a daily source for the public water supply system and do not recommend flow protection on Muddy Run or the spring as part of this approval.

Staff recommends a reduced peak day withdrawal quantity, which will further limit the environmental incursion and potential adverse impacts, and to allow daily operation for routine equipment maintenance and conditioning of the Hollander Well as an emergency or backup well. Staff also recommends that operation as an emergency or backup source be subject to an operations plan required by Special Condition 22.

Section 5. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations	
Peak Day Withdrawal (mgd):	0.020
Emergency or Backup Peak Day Withdrawal (mgd):	0.173
Maximum Instantaneous Withdrawal Rate (gpm):	120 (Not to Exceed)
Total System Withdrawal Limit – Hollander Well, Stoltzfus Well, and Township Well (30-Day Average) (mgd):	0.324
mgd – million gallons per day	

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 6. Existing Approved Withdrawals

Quantities applicable to the existing approved withdrawals are listed in the table below.

Existing Approved Groundwater Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Stoltzfus Well	0.324	20150612	June 3, 2030
Township Well	0.324	20150612	June 3, 2030

Section 7. Grandfathering Determination – Withdrawals and Consumptive Water Use

The project did not utilize surface water withdrawals or groundwater withdrawals prior to November 11, 1995 or July 13, 1978, respectively.

The project did not consumptively use water prior to January 23, 1971.

Section 8. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. Within one (1) year from the date of this approval, the project sponsor shall submit a comprehensive metering plan to the Commission for review and approval by Commission staff that accounts for all withdrawals listed in Sections 3 and 6 of this approval.

3. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall install and maintain metering in accordance with Commission Regulation 18 CFR § 806.30. The project sponsor shall notify the Commission, in writing, and submit photographs of the meter when it has been installed, provide the serial number of the meter, and certify the accuracy of the measuring device to within five (5) percent of actual flow. Withdrawals shall not commence until Commission staff has approved the implementation of the approved metering plan and notified the project sponsor of such approval.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. Within one (1) year from the date of this approval, the project sponsor shall submit a plan to Commission staff for review and approval for the implementation of a groundwater elevation monitoring program in accordance with Commission Regulation 18 CFR § 806.30(a)(4). The plan shall include proposed methods for the daily measurement and recording of groundwater elevations in the sources listed in Sections 3 and 6. Following approval, the project sponsor shall execute the plan and complete installation of water level monitoring equipment in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, and submit photographs of the water level monitoring equipment when it has been installed and certify the accuracy of the measuring devices. The project sponsor shall notify the Commission when the monitoring plan has been fully implemented.

6. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Section 3 and 6 and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the

project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

8. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

9. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

10. The project sponsor shall register with the appropriate agency all groundwater sources described herein, as may be required by regulations of the member jurisdiction.

11. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

12. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

13. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

14. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

15. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

16. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

17. The project sponsor is required to apply for and obtain approval prior to any increase in the total system withdrawal that would exceed the approved total system withdrawal limits listed herein.

18. If the Commission determines that the operation of the project's groundwater withdrawal adversely affects any existing groundwater or surface water withdrawal, the project sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

Section 9. Special Conditions

19. This project will be subject to the Annual Compliance and Monitoring fee upon transfer of ownership as specified in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval. In accordance with Commission Regulation 18 FR § 806.6, an existing Commission approval may be transferred and subject to Executive Director action on an application requesting transfer submitted within ninety (90) days of the change in ownership.

20. The project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

21. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep records, and shall report the same to the Commission upon request, of all persons supplied water from the project that maintain a permanent connection to the public water supply system. The project sponsor shall also keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project that do not maintain a permanent connection to the public water supply system for uses other than hydrocarbon development, including daily quantities supplied.

22. Within ninety (90) days from the date of this approval, the project sponsor shall submit an operations plan for the Hollander Well for Commission staff review and approval. At a minimum, this plan shall provide a detailed narrative defining:

- a. The operation of the Hollander Well under normal operating conditions;
- b. The emergency and backup conditions under which the project sponsor may operate the Hollander Well up to 0.173 mgd (peak day);
- c. The duration and extent of acceptable emergency and backup operations; and
- d. Notification procedures when emergency and backup operation of the Hollander Well is required.

Operation of the Hollander Well shall not commence prior to staff approval of the plan.


Section 10. Term

23. The project sponsor has a period of three (3) years from the date of this approval to commence the withdrawal or this approval will automatically expire, unless an extension is requested, in writing, by the project sponsor no later than one hundred twenty (120) days prior to such expiration and approved by the Commission as provided in Commission Regulation 18 CFR § 806.31(b). In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

24. This approval is effective until March 8, 2032. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 8, 2031, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170305

Approval Date: March 9, 2017

PENNSYLVANIA GENERAL ENERGY COMPANY, L.L.C.

**Surface Water Withdrawal (Peak Day), Variable, of up to 0.231 mgd
from First Fork Sinnemahoning Creek**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 20121222 that was originally approved December 14, 2012, with a peak day withdrawal rate of 0.231 million gallons per day (mgd) and no special flow protection requirements. The project sponsor requested variable (monthly) peak day withdrawal rates. In consideration of the state's stream classification and special protection designation, and consistent with the Commission's Low Flow Protection Policy, Commission staff recommends special flow protection conditions be added to reflect current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Pennsylvania General Energy Company, L.L.C.
Approval Type:	Surface Water Withdrawal
Past Docket No.:	20121222
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Wharton Township
County:	Potter County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	First Fork Sinnemahoning Creek
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020204 (First Fork Sinnemahoning Creek)
Water Use Designation:	Exceptional Value (EV)
Withdrawal Location (degrees):	Lat: 41.522647 N Long: 78.027539 W
Site Flow Statistics (cfs):	Q7-10 = 6.5; Average Daily Flow = 303
Drainage Area (square miles):	179
Aquatic Resource Class*:	3
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations				
Peak Day Withdrawal Amount (mgd):	Not to Exceed Values Contained in the “Withdrawal and Passby Schedule,” When Available			
Maximum Instantaneous Withdrawal Rate (gpm):	Not to Exceed Values Contained in the “Withdrawal and Passby Schedule,” When Available			
Flow Protection Type:	Seasonal passby expressed as monthly values			
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01544500; Kettle Creek at Cross Fork, Pennsylvania			
Withdrawal and Passby Schedule:				
<i>Month</i>	<i>Peak Day Withdrawal (mgd)</i>	<i>Maximum Instantaneous Withdrawal (gpm)</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	0.231	183	25	20
February	0.231	183	41	32
March	0.231	183	61	47
April	0.231	183	111	85

Approved Withdrawal Quantities and Limitations (continued)				
Withdrawal and Passby Schedule:				
<i>Month</i>	<i>Peak Day Withdrawal (mgd)</i>	<i>Maximum Instantaneous Withdrawal (gpm)</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
May	0.231	183	58	45
June	0.231	183	22	18
July	0.231	183	13	11
August	0.231	183	6.5	5.3
September	0.227	183	5.4	4.5
October	0.231	183	7.7	6.2
November	0.231	183	9.8	7.8
December	0.231	183	21	17
USGS– U.S. Geological Survey 1 cfs = 448.8 gallons per minute (gpm) * Flow Protection Threshold				

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff, and shall obtain necessary general or individual permits from the jurisdictional permitting agency prior to use of the intake. The project sponsor shall provide the Commission with a copy of the permit prior to operating the withdrawal. If subsequent design

review by the permitting agency requires modification to the intake design, the project sponsor shall submit to the Commission a revised intake design for review and, if appropriate, approval by Commission staff prior to permit issuance by the permitting agency. Thereafter, any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project's withdrawal and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. Within sixty (60) days from notice of this approval, the project sponsor shall post an updated sign that meets Commission specifications and displays required project description information. Signage specifications can be found at the Commission's website (www.srbc.net), along with example sign templates for reference. The sign shall be maintained for the duration of the approval. Such sign shall be posted at the point of entry or access to the project facility from a public right-of-way. If there is any restriction to access at such point that would prevent an interested person from legibly viewing such sign, then the project sponsor shall post the sign at the nearest location to such point, along the route of ingress and egress to same, where an interested person would have unrestricted access to legibly view such sign. The project sponsor shall submit photographs as proof of installation of the updated sign.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

Section 6. Special Conditions

19. Effective April 1, 2017, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow has remained above such flow protection threshold for 48 hours.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. The date of the last meter certification was November 4, 2015; therefore, the next meter certification is due no later than November 4, 2020. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Except as authorized pursuant to Special Condition 24, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 24, including daily quantities supplied.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

25. The project sponsor shall demonstrate to the satisfaction of the Commission that appropriate controls and treatment to prevent the spread of aquatic nuisance species are employed at the water withdrawal site.

Section 7. Term

26. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2022. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2021, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

27. Commission Docket No. 20121222 shall remain effective through March 31, 2017, whereupon it shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170306

Approval Date: March 9, 2017

SILVER SPRINGS RANCH, LLC

**Groundwater Withdrawal (30-Day Average) of 0.088 mgd from Well BH-1,
and Consumptive Use (Peak Day) of up to 0.088 mgd from Well BH-1**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission’s Comprehensive Plan. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

Silver Springs Ranch, LLC (Silver Springs Ranch) operates a water supply facility that provides bulk water for water bottling. Silver Springs Ranch has operated below the Commission’s regulatory thresholds for withdrawals and consumptive uses. On June 17, 2016, Silver Springs Ranch submitted applications to the Commission requesting approval to increase its withdrawal to 0.088 million gallons per day (mgd) from Well BH-1 and to increase its consumptive use to 0.088 mgd for bottled water. According to information provided by Silver Springs Ranch, no other sources are used by the project. This approval authorizes the withdrawal from Well BH-1 and consumptive use at the requested rates.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP) and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Silver Springs Ranch, LLC
Approval Types:	Groundwater Withdrawal and Consumptive Use
Authorized Water Use Purpose:	Bulk Sales for Water Bottling
Municipality:	Monroe Township
County:	Wyoming County

Section 6. Approved Consumptive Use Quantities and Limitations

The consumptive use approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Consumptive Use Quantities and Limitations	
Source for Project Consumptive Use:	Well BH-1
Peak Day Consumptive Use Amount (mgd):	0.088 (Not to Exceed)
Authorized Project Consumptive Use:	Bulk Sales for Water Bottling
Consumptive Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use is also subject to all other conditions set forth in this docket approval.

Section 7. Existing Approved Withdrawals and Consumptive Uses

The project does not have existing approved withdrawals or consumptive uses.

Section 8. Grandfathering Determination – Withdrawals and Consumptive Use

The project did not utilize surface water withdrawals or groundwater withdrawals prior to November 11, 1995 or July 13, 1978, respectively.

The project did not consumptively use water prior to January 23, 1971.

Section 9. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal and consumptive use in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals and consumptive use, and certify to the Commission once every five (5) years, or as

otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall keep daily records of the project's withdrawal, consumptive use, and groundwater elevation and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

6. The project's consumptive use is subject to mitigation requirements, as per Commission Regulation 18 CFR § 806.22(b). To satisfy the Commission's current mitigation requirements for consumptive use, the project sponsor shall make quarterly payments to the Commission at the rate specified in the effective Regulatory Program Fee Schedule, as modified from time to time by the Commission. Payments shall be made quarterly and shall be calculated by applying this rate to the total amount of water consumptively used by the project during the preceding calendar quarter. Quarterly payments are due and payable within thirty (30) days after the close of the preceding quarter. The rate of payment, after appropriate notice to consumptive users of water using this method of compliance, is subject to change at the Commission's discretion.

7. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

8. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

9. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

10. The project sponsor shall register with the appropriate agency all surface water and groundwater sources described herein, as may be required by regulations of the member jurisdiction.

11. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

12. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

13. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

14. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

15. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

16. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

17. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal or consumptive use that would exceed the amounts listed herein or to add a source used for consumptive use that is not listed in Sections 3 or 6.

18. If the Commission determines that the operation of the project's groundwater withdrawal adversely affects any existing groundwater or surface water withdrawal, the project sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

Section 10. Special Conditions

19. In accordance with the approved metering plan and within sixty (60) days from the date of this approval, the project sponsor shall submit photographs, make, model, and serial number of the second meter that will be used to account for consumptive use. Until the second meter is installed, the project sponsor shall account for and report consumptive use as the quantity of water withdrawn from BH-1.

20. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the source listed in Section 3. Within ninety (90) days from the date of this approval, the project sponsor shall install and maintain water level monitoring equipment in accordance with Commission Regulation 18 CFR § 806.30. The project sponsor shall notify the Commission, in writing, and submit photographs of the water

level monitoring equipment when it has been installed and certify the accuracy of the measuring devices.

21. Except as authorized pursuant to Special Condition 23, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

22. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 23, including daily quantities supplied.


23. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

Section 11. Term

24. This approval is effective until March 8, 2032. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 8, 2031, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson

SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20050301-2

Approval Date: March 29, 2005

Modification Date: December 5, 2006

Modification Date: March 9, 2017

SUEZ WATER PENNSYLVANIA INC. – DALLAS OPERATION

**Groundwater Withdrawal (30-Day Average) of 0.216 mgd from the Gephart Well,
and Total System Withdrawal Limit (30-Day Average) of 0.740 mgd**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

SUEZ Water Pennsylvania Inc.'s (SUEZ's) Dallas Operation supplies water to residents in a portion of Dallas Township and Dallas Borough, Pennsylvania. The SUEZ Dallas Operation includes six sources (Schooley, Snyder, Bunn, Country Club, Haddonfield, and Gephart Wells), all of which are incorporated into the total system limit. The SUEZ Dallas Operation maintains interconnections with the SUEZ Shavertown System and the Aqua Pennsylvania, Inc. Midway Manor System, which are not included in the total system limit. According to information provided by SUEZ, no other sources are operated by the project.

This approval eliminates the prohibition from operating the Gephart Well during March and April that was established under Decision Item 8 of Commission Docket No. 20050301. No other modifications to Commission Docket Nos. 20050301 or 20050301-1 are approved.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP) and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	SUEZ Water Pennsylvania Inc.
Approval Type:	Groundwater Withdrawal
Original Docket Nos.:	20050301 and 20050301-1
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Dallas Township
County:	Luzerne County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Withdrawal Type:	Groundwater
Approved Source:	Gephart Well
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010702 (Upper Susquehanna River)
Withdrawal Location (degrees)*:	Lat: -- Long: --
Special Flow Protection Required:	No
* Specific location information concerning discrete water-related project features has been withheld for security reasons.	

Section 4. Aquifer Testing

Previous aquifer testing demonstrated that withdrawals from the Gephart Well at the tested rate of 300 gallons per minute (gpm) would cause drawdown in the wetlands and in nearby residential wells. To mitigate the potential for significant adverse impacts to other users or the environment, the Commission approved operation of the Gephart Well at the reduced maximum withdrawal rate of 150 gpm (0.216 million gallons per day [mgd]) and prohibited operation of the Gephart Well during March and April. To confirm that adverse impacts to nearby wetlands and domestic wells would not occur at the reduced withdrawal rate, monitoring of domestic wells and wetlands was required.

To support its modification application to eliminate the March and April pumping restriction, SUEZ provided the results of the wetland monitoring program and a recent wetland analysis report. Commission staff’s review of the wetlands analysis and monitoring data indicates that the March and April pumping restriction is not needed to avoid significant adverse impacts to other groundwater users or the environment. However, because the wetlands monitoring data did not conclusively demonstrate that the water level in the wetlands is unaffected by pumping the Gephart Well, Commission staff recommends wetlands monitoring to

verify that no significant adverse impacts will occur as a result of operating the Gephart Well in March and April.

Commission staff determined that elimination of the March and April pumping restriction and the year-round operation of the Gephart Well at the previously approved withdrawal rate, which remains unchanged herein, should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin, subject to the conditions set forth below.

Section 5. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations	
30-Day Average Withdrawal (mgd):	0.216
Maximum Instantaneous Withdrawal Rate (gpm):	150 (Not to Exceed)
Peak Day Withdrawal (mgd):	0.216
Total System Withdrawal Limit – Gephart, Schooley, Snyder, Bunn, Country Club, and Haddonfield Wells (30-Day Average) (mgd):	0.740

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 6. Existing Approved Withdrawals

Quantities applicable to the existing approved withdrawals are listed in the table below.

Existing Approved Groundwater Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Schooley Well	0.288	19881103	November 10, 2018

Section 7. Grandfathering Determination – Withdrawals

The project utilizes groundwater withdrawals from four sources (Snyder, Bunn, Country Club, and Haddonfield Wells) that were initiated prior to July 13, 1978. Commission staff will complete a grandfathering determination no later than during the review of the renewal application for the Schooley Well approval (Commission Docket No. 19881103), which will expire on November 10, 2018. The renewal application for Commission Docket No. 19881103 is due no later than May 10, 2018.

Section 8. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

6. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

7. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

8. The project sponsor shall register with the appropriate agency all groundwater sources described herein, as may be required by regulations of the member jurisdiction.

9. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

10. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission

may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

11. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

12. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

13. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

14. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

15. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

16. The project sponsor is required to apply for and obtain approval prior to any increase in the total system withdrawal that would exceed the approved total system withdrawal limits listed herein.

17. If the Commission determines that the operation of the project's groundwater withdrawal adversely affects any existing groundwater or surface water withdrawal, the project sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

Section 9. Special Conditions

18. Decision Items 7 and 8 of Commission Docket No. 20050301 are hereby rescinded. All other conditions in Commission Docket Nos. 20050301 and 20050301-1 not inconsistent herewith shall remain effective.

19. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the sources listed in Sections 3, 6, and 7. The project sponsor shall notify the Commission, in writing, and submit make, model, serial numbers and photographs of the water level monitoring equipment when it has been installed and certify the accuracy of the measuring devices.

20. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Section 3, 6, and 7, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

21. The next meter certifications for the Gephart Well, Schooley Well, Country Club Well, Haddonfield Well, and Snyder Well are due no later than September 30, 2021.

22. The project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep records, and shall report the same to the Commission upon request, of all persons supplied water from the project that maintain a permanent connection to the public water supply system. The project sponsor shall also keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project that do not maintain a permanent connection to the public water supply system for uses other than hydrocarbon development, including daily quantities supplied.

24. To verify that impacts will not occur as a result of eliminating the March and April pumping restriction, monitoring of the wetland near the Gephart Well is required. Within sixty (60) days of this approval, the project sponsor shall implement the reviewed and approved wetlands monitoring plan and initiate water level monitoring prior to any pumping of the Gephart Well in March and April. Any modifications proposed for the approved wetland monitoring plan shall be submitted for review and, if appropriate, approval by Commission staff. Modifications to the wetland monitoring plan shall not be made until the project sponsor receives written approval of the amended plan. The project sponsor shall report the results of the wetland monitoring to the Commission as follows:

- a. The project sponsor shall keep wetland elevation data records collected from the piezometers and submit comprehensive annual interpretive reports to the Commission. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals. The project sponsor must notify the Commission within two (2) business days of suspecting or receiving a claim that a significant adverse

impact to the wetland may occur or has occurred as a result of the project sponsor's groundwater withdrawals.

- b. The interpretive reports must summarize the data collected, document the results of the wetland monitoring, and evaluate the potential for significant adverse impacts to the wetland as a result of operating the Gephart Well during March and April. Monitoring of the wetlands shall continue through at least May 2018, and must include at least two (2) March and April periods with operation of the Gephart Well. Monitoring may be required for a longer term if any of the following occurs:
- 1) The Gephart Well is not operated at or near its approved 30-day average rate;
 - 2) Precipitation is average or above average; or
 - 3) Hydrologic conditions are not sufficient for staff to evaluate impacts to the wetlands.

Monitoring of the wetlands in accordance with the approved plan shall continue until Commission staff notifies the project sponsor, in writing, that the wetland monitoring has confirmed that no significant adverse impacts have occurred or will occur, and that the required monitoring may cease.


- c. The interpretive annual reports shall be submitted by July 1 and shall include all data collected through May of the current year.

Section 10. Term

25. This modified approval is effective March 9, 2017. The term of Commission Docket Nos. 20050301, 20050301-1, and 20050301-2 shall remain effective until March 29, 2030. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 29, 2029, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170307
Approval Date: March 9, 2017

SWEPI LP

**Surface Water Withdrawal (Peak Day) of up to 0.936 mgd
 from Pine Creek**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission’s Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 20130313 that was originally approved March 21, 2013, with a peak day withdrawal rate of 0.936 million gallons per day (mgd) and special flow protection requirements. The approval was originally issued to Ultra Resources, Inc. and transferred to SWEPI LP effective September 25, 2014. The project sponsor did not request any changes to the conditions of the original docket. Commission staff recommended updated special flow protection requirements consistent with current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	SWEPI LP
Approval Type:	Surface Water Withdrawal
Past Docket No.:	20130313
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses*

Project Information (continued)	
Municipality:	Pike Township
County:	Potter County
State:	Pennsylvania
* In consideration of documented invasive species, water withdrawn under this authorization or commingled with such water shall not be discharged to any surface water without prior, proper treatment and disinfection. Any water from this source used for hydrostatic testing shall not be discharged to any surface water without proper treatment and disinfection or shall be returned to proper storage facilities for additional use (see Special Conditions 25 and 26).	

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	Pine Creek
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020502 (Upper Pine Creek)
Water Use Designation:	Exceptional Value (EV)
Withdrawal Location (degrees):	Lat: 41.738473 N Long: 77.624672 W
Site Flow Statistics (cfs):	Q7-10 = 7.1; Average Daily Flow = 252
Wild Trout Classification:	Naturally Reproducing Wild Trout
Drainage Area (square miles):	178
Aquatic Resource Class*:	3
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations	
Peak Day Withdrawal Amount (mgd):	0.936 (Not to Exceed, When Available)
Maximum Instantaneous Withdrawal Rate (gpm):	650 (Not to Exceed)
Flow Protection Type:	Seasonal passby expressed as monthly values
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01548500; Pine Creek at Cedar Run, Pennsylvania

Approved Withdrawal Quantities and Limitations (continued)		
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	14	53
February	29	101
March	44	154
April	98	338
May	53	184
June	52	181
July	28	97
August	28	97
September	28	97
October	28	97
November	34	120
December	85	294
USGS– U.S. Geological Survey 1 cfs = 448.8 gallons per minute (gpm) * Flow Protection Threshold		

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall install and maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30. The project sponsor shall notify the Commission, in writing, and submit photographs of the meter when it has been installed, provide the serial number of the meter, and certify the accuracy of the measuring device to within five (5) percent of actual flow. Withdrawals shall not commence until Commission staff has approved the implementation of the approved metering plan and notified the project sponsor of such approval.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff. Any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project's withdrawal and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. Within sixty (60) days from notice of this approval, the project sponsor shall post an updated sign that meets Commission specifications and displays required project description information. Signage specifications can be found at the Commission's website (www.srbc.net), along with example sign templates for reference. The sign shall be maintained for the duration of the approval. Such sign shall be posted at the point of entry or access to the project facility from a public right-of-way. If there is any restriction to access at such point that would prevent an interested person from legibly viewing such sign, then the project sponsor shall post the sign at the nearest location to such point, along the route of ingress and egress to same, where an interested person would have unrestricted access to legibly view such sign. The project sponsor shall submit photographs as proof of installation of the updated sign.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

Section 6. Special Conditions

19. Effective April 1, 2017, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage location specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow has remained above such flow protection threshold for 48 hours.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage location specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as

prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. To avoid adverse impact to documented occurrences of naturally reproducing wild trout population at or in proximity to the project location, the project sponsor shall avoid modification of the intake or any other instream construction from October 1 through December 31, unless otherwise approved by PFBC in writing and submitted to the Commission.

22. Except as authorized pursuant to Special Condition 24, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 24, including daily quantities supplied.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

25. During any instream work, the project sponsor shall adhere to an invasive species disinfection protocol to prevent the spread of the invasive algal species, *Didymosphenia geminata*, which is documented as occurring at the project location. Disinfection protocol shall include treatment of all equipment and infrastructure that is placed into and removed from the stream, and all personal gear of any personnel entering the stream at the project location using, at a minimum, one of the following practices:

- a. Thermal treatment shall consist of pressure washing with water that is hotter than 140 degrees Fahrenheit to ensure that the species cannot be spread beyond the project site.
- b. Personal gear or equipment is allowed to dry to the touch plus an additional 48 hours, before coming into contact with another waterbody.

The project sponsor shall submit a disinfection plan for Commission staff review and approval prior to using alternative disinfection protocol other than that described above.

26. In consideration of documented invasive species, water withdrawn under this authorization or commingled with such water shall not be discharged to any surface water

without proper treatment and disinfection. Any water from this source used for hydrostatic testing shall not be discharged to any surface water without proper treatment and disinfection or shall be returned to proper storage facilities for additional use.


Section 7. Term

27. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2022. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2021, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

28. Commission Docket No. 20130313 shall remain effective through March 31, 2017, whereupon it shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170308

Approval Date: March 9, 2017

REPSOL OIL & GAS USA, LLC

**Surface Water Withdrawal (Peak Day) of up to 0.750 mgd
from Sugar Creek**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission’s Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 20130310 that was originally approved March 21, 2013, with a peak day withdrawal rate of 0.750 million gallons per day (mgd) and special flow protection requirements. The approval was originally issued to Talisman Energy USA Inc., which underwent a name change to Repsol Oil & Gas USA, LLC, effective December 30, 2016. The project sponsor did not request any changes to the conditions of the original docket. Commission staff recommended updated special flow protection requirements consistent with current policy. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Repsol Oil & Gas USA, LLC
Approval Type:	Surface Water Withdrawal
Past Docket No.:	20130310
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	West Burlington Township
County:	Bradford County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Approved Source:	Sugar Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010601 (Sugar Creek)
Water Use Designation:	Trout Stocked Fishery (TSF)
Withdrawal Location (degrees):	Lat: 41.759986 N Long: 76.674279 W
Site Flow Statistics (cfs):	Q7-10 = 1.2; Average Daily Flow = 129
Drainage Area (square miles):	94.4
Aquatic Resource Class*:	3
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
* Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.750 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	1,000 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Monitoring Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01531325; Sugar Creek at West Burlington, Pennsylvania	
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	31	33
February	33	35
March	73	75
April	--	--
May	46	48
June	16	18
July	8.9	12

Approved Withdrawal Quantities and Limitations (continued)		
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
August	8.9	12
September	8.9	12
October	8.9	12
November	21	24
December	35	37
USGS– U.S. Geological Survey 1 cfs = 448.8 gallons per minute (gpm)		-- -- No special flow protection required * Flow Protection Threshold

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 5. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall adhere to the intake design reviewed and approved by Commission staff. Any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulations 18 CFR § 806.21 and § 806.23 prior to undertaking such modification(s).

6. The project sponsor shall keep daily records of the project’s withdrawal and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative

measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

7. Within sixty (60) days from notice of this approval, the project sponsor shall post an updated sign that meets Commission specifications and displays required project description information. Signage specifications can be found at the Commission's website (www.srbc.net), along with example sign templates for reference. The sign shall be maintained for the duration of the approval. Such sign shall be posted at the point of entry or access to the project facility from a public right-of-way. If there is any restriction to access at such point that would prevent an interested person from legibly viewing such sign, then the project sponsor shall post the sign at the nearest location to such point, along the route of ingress and egress to same, where an interested person would have unrestricted access to legibly view such sign. The project sponsor shall submit photographs as proof of installation of the updated sign.

8. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

9. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

18. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

Section 6. Special Conditions

19. Effective April 1, 2017, the project sponsor shall cease all withdrawals from the approved source when streamflow, as measured at the U.S. Geological Survey stream gage specified in Section 4, is less than the applicable flow protection threshold specified in Section 4, and shall not reinstate withdrawals until the streamflow is equal to or exceeds such flow protection threshold.

20. The project sponsor shall, on a daily basis, collect and record streamflow as measured at the U.S. Geological Survey stream gage specified in Section 4, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if appropriate, approval.

21. The date of the last meter certification was February 17, 2016; therefore, the next meter certification is due no later than February 17, 2021. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Except as authorized pursuant to Special Condition 24, the project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

23. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon

development, including daily quantities supplied. The project sponsor also shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for uses other than hydrocarbon development authorized pursuant to Special Condition 24, including daily quantities supplied.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

25. The project sponsor shall demonstrate to the satisfaction of the Commission that appropriate controls and treatment to prevent the spread of aquatic nuisance species are employed at the water withdrawal site.

Section 7. Term

26. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2022. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2021, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

27. Commission Docket No. 20130310 shall remain effective through March 31, 2017, whereupon it shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20170309

Approval Date: March 9, 2017

WEST MANCHESTER TOWNSHIP AUTHORITY

**Groundwater Withdrawal (30-Day Average) of 0.183 mgd from Well 7,
and Total System Withdrawal Limit (30-Day Average) of 0.847 mgd**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

The West Manchester Township Authority's (Authority's) public water supply system includes nine sources (Wells 1, 2, 3, 4, 5, 6, 7, 8, and 9), all of which are incorporated into the total system limit. According to information provided by the Authority, no other sources are used by the project.

On September 15, 1978, the Commission approved the groundwater withdrawal (consecutive 30-day average) of 0.400 million gallons per day (mgd) from Well 7 under Commission Docket No. 19780903, which expired on September 15, 2008. On February 1, 2010, the Authority submitted an application to the Commission requesting approval for withdrawal from Well 7. This approval authorizes the use of Well 7 at the requested reduced withdrawal rate; establishes grandfathered withdrawal quantities for Wells 1, 2, 3, 4, 5, and 6; and establishes a total system withdrawal limit.

Should demand exceed the total system limit established herein, the Authority may request a minor modification in accordance with Commission Regulation 18 CFR § 806.18(c)(7) to increase the total system limit, as the total system limit established herein is based on the 15-year projected demand.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP) and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	West Manchester Township Authority
Approval Type:	Groundwater Withdrawal
Past Docket No.:	19780903
Authorized Water Use Purpose:	Public Water Supply
Municipality:	West Manchester Township
County:	York County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawal will be made is set forth in the table below.

Source Information	
Withdrawal Type:	Groundwater
Approved Source:	Well 7
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030604 (Little Conewago Creek)
Withdrawal Location (degrees)*:	Lat: -- Long: --
Special Flow Protection Required:	No
* Specific location information concerning discrete water-related project features has been withheld for security reasons.	

Section 4. Aquifer Testing

The constant-rate aquifer testing required by Commission Regulation 18 CFR § 806.12 for groundwater withdrawals was completed with prior Commission approval. A 94-hour constant-rate aquifer test of Well 7 was conducted from July 13 through 17, 2015, pumping at an average rate of 127 gallons per minute (gpm).

Commission staff determined that the withdrawal from Well 7 at the requested withdrawal rate should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin, subject to the conditions set forth below.

Section 5. Approved Withdrawal Quantities and Limitations

The withdrawal approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations	
30-Day Average Withdrawal (mgd):	0.183
Maximum Instantaneous Withdrawal Rate (gpm):	200 (Not to Exceed)
Total System Withdrawal Limit – Wells 1, 2, 3, 4, 5, 6, 7, 8, and 9 (30-Day Average) (mgd):	0.847

The withdrawal is also subject to all other conditions set forth in this docket approval.

Section 6. Existing Approved Withdrawals

Quantities applicable to the existing approved withdrawals are listed in the table below.

Existing Approved Groundwater Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Well 8	0.160	19980904	September 23, 2023
Well 9	0.210	20050908	September 14, 2030

Section 7. Grandfathering Determination – Withdrawals

Quantities applicable to the project’s grandfathering determination for existing withdrawals are listed in the table below.

Grandfathered Groundwater Withdrawals	
Source	30-Day Average Withdrawal (mgd)*
Well 1	0.234
Well 2	0.226
Well 3	0.135
Well 4	0.043
Well 5	0.100
Well 6	0.103

* Value(s) represent maximum documented 30-day average amounts that occurred prior to applicable regulatory effective date(s).

The grandfathered quantities identified in the table above are based on information submitted by the project sponsor. The grandfathered quantities or the grandfathered status of the sources are subject to change if information becomes available that demonstrates withdrawal occurred at rates that are inconsistent with the data submitted and utilized to support this determination.

Section 8. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified

in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall maintain metering on the withdrawal in accordance with Commission Regulation 18 CFR § 806.30.

3. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

4. Within one hundred twenty (120) days from the date of this approval, the project sponsor shall submit a plan to Commission staff for review and approval for the implementation of a groundwater elevation monitoring program in accordance with Commission Regulation 18 CFR § 806.30(a)(4). The plan shall include proposed methods for the daily measurement and recording of groundwater elevations in the sources listed in Sections 3, 6, and 7. Following approval, the project sponsor shall execute the plan and complete installation of water level monitoring equipment in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, and submit photographs of the water level monitoring equipment when it has been installed and certify the accuracy of the measuring devices. The project sponsor shall notify the Commission when the monitoring plan has been fully implemented.

5. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Sections 3, 6, and 7, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

6. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

7. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

8. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal location for the duration of the approval.

9. The project sponsor shall register with the appropriate agency all groundwater sources described herein, as may be required by regulations of the member jurisdiction.

10. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

11. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

12. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

13. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

14. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

15. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

16. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

17. The project sponsor is required to apply for and obtain approval prior to any increase in the total system withdrawal that would exceed the approved total system withdrawal limits listed herein.

18. If the Commission determines that the operation of the project's groundwater withdrawal adversely affects any existing groundwater or surface water withdrawal, the project sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

Section 9. Special Conditions

19. Within one hundred twenty (120) days from the date of this approval, the project sponsor shall submit a comprehensive metering plan to the Commission for review and approval by Commission staff that accounts for all withdrawals listed in Sections 3, 6, and 7 of this approval. The plan shall include proposed methods for the daily measurement and recording of withdrawals from the sources listed in Sections 3, 6, and 7. Following approval, the project sponsor shall execute the plan and complete installation of metering equipment in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, and submit photographs of the meters when installed, provide the serial number of the meter, and certify the accuracy of the measuring device to within five (5) percent of actual flow.

20. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal from grandfathered sources that would exceed the amounts listed herein.

21. The project sponsor shall only supply water for use in hydrocarbon development to persons who have properly registered this approval pursuant to Commission Regulation 18 CFR § 806.22(f)(12).

22. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep records, and shall report the same to the Commission upon request, of all persons supplied water from the project that maintain a permanent connection to the public water supply system. The project sponsor shall also keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project that do not maintain a permanent connection to the public water supply system for uses other than hydrocarbon development, including daily quantities supplied.

Section 10. Term

23. This approval is effective until March 8, 2032. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 8, 2031, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

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Docket No. 20170310

Approval Date: March 9, 2017

YORK COUNTY SOLID WASTE AND REFUSE AUTHORITY – YORK COUNTY RESOURCE RECOVERY CENTER

**Consumptive Use (Peak Day) of up to 0.999 mgd
from Public Water Supply and Stormwater**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, and that the project is physically feasible and does not conflict with or adversely affect the Commission’s Comprehensive Plan. Accordingly, the Commission hereby approves renewal of the project described herein in accordance with the conditions set forth below.

This approval is a renewal of Commission Docket No. 19860902 that was originally approved September 11, 1986, and modified September 12, 1991, as Commission Docket No. 19860902-1, with a peak day consumptive use of 1.000 million gallons per day (mgd). The project sponsor has requested, and Commission staff recommends approval of, a reduction to a peak day consumptive use of 0.999 mgd and the addition of stormwater from an on-site stormwater capture and reuse system as a source of water for consumptive use. This approval incorporates those recommendations.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Department of Conservation and Natural Resources (DCNR), and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	York County Solid Waste and Refuse Authority
Approval Type:	Consumptive Use
Past Docket Nos.:	19860902 and 19860902-1
Authorized Water Use Purpose:	Operation of a Municipal Waste Resource Recovery and Small Power Production Facility and Related Incidental Uses

Project Information (continued)	
Municipality:	Manchester Township
County:	York County
State:	Pennsylvania

Section 3. Approved Consumptive Use Quantities and Limitations

The consumptive use approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Consumptive Use Quantities and Limitations	
Sources for Project Consumptive Use:	1. Public Water Supply 2. Stormwater
Peak Day Consumptive Use Amount (mgd):	0.999 (Not to Exceed)
Authorized Project Consumptive Uses:	1. Evaporative Losses 2. Spray Dryer Absorbers 3. Ash Quench System
Consumptive Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use is also subject to all other conditions set forth in this docket approval.

Section 4. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission’s Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain metering on the consumptive use in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of consumptive uses, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

5. The project sponsor shall keep daily records of the project’s consumptive use and shall report the data to the Commission quarterly, and as otherwise required, in the form and

manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and approval by Commission staff in accordance with Commission Regulation 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

6. The project's consumptive use is subject to mitigation requirements, as per Commission Regulation 18 CFR § 806.22(b). To satisfy the Commission's current mitigation requirements for consumptive use, the project sponsor shall make quarterly payments to the Commission at the rate specified in the effective Regulatory Program Fee Schedule, as modified from time to time by the Commission. Payments shall be made quarterly and shall be calculated by applying this rate to the total amount of water consumptively used by the project during the preceding calendar quarter. Quarterly payments are due and payable within thirty (30) days after the close of the preceding quarter. The rate of payment, after appropriate notice to consumptive users of water using this method of compliance, is subject to change at the Commission's discretion.

7. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR § 808.12.

8. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR § 806.25.

9. The project sponsor shall register with the appropriate agency all surface water sources described herein, as may be required by regulations of the member jurisdiction.

10. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to Commission Regulation 18 CFR Part 808.

11. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the consumptive use of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

12. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to

protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR § 806.32.

13. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

14. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

15. In accordance with Commission Regulation 18 CFR § 806.31(d), if the project is discontinued for such a time and under such circumstances that an abandonment of the project may be reasonably inferred, the Commission may rescind the approval of the project.

16. The project sponsor is required to apply for and obtain approval prior to any increase in consumptive use that would exceed the amounts listed herein or to add a source used for consumptive use that is not listed in Section 3.

Section 5. Special Conditions

17. The date of the last meter certification was October 30, 2015; therefore, the next meter certification is due no later than October 30, 2020. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

18. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for minor modification under Commission Regulation 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

19. No less than six (6) months prior to the initiation of consumptive use of stormwater, the project sponsor shall submit an updated comprehensive metering and accounting plan for review and, if appropriate, approval by Commission staff that accounts for all consumptive use of the facility.

20. Prior to initiation of the consumptive use of stormwater, the project sponsor shall install and maintain metering on the stormwater source in accordance with Commission Regulation 18 CFR § 806.30 and the approved plan. The project sponsor shall notify the Commission, in writing, and submit digital photographs of the meter(s) when installed, provide the serial number of the meter(s), and certify the accuracy of the measuring device(s) to within five (5) percent of actual flow. Consumptive use of stormwater shall not commence until Commission staff has approved the implementation of the revised metering and accounting plan, and notified the project sponsor of such approval.

Section 6. Term

21. This approval shall be effective April 1, 2017, and shall remain effective until March 31, 2032. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2031, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

22. Commission Docket Nos. 19860902 and 19860902-1 shall remain effective through March 31, 2017, whereupon they shall expire.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 9, 2017.

Dated: March 10, 2017


Stephanie L. Richardson