



SUSQUEHANNA RIVER
BASIN COMMISSION

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

NY ■ PA ■ MD ■ USA

November 18, 2016

TO ALL CONCERNED:

At the September 8, 2016, Commission meeting, the draft minutes of the June 16, 2016, Commission meeting were approved as written. Please attach this notice to your copy of the June 16, 2016, minutes.

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

**MINUTES OF THE
SUSQUEHANNA RIVER BASIN COMMISSION
September 8, 2016
#2016-03**

The meeting was held at the Otesaga Resort in Cooperstown, New York. Chairman Grumbles called the meeting to order at 9:00 a.m.

ROLL CALL

Commissioners Present

Ms. Kelly Heffner, Special Deputy Secretary for Water Resources Planning, Pennsylvania Dept. of Environmental Protection (PADEP)
Mr. Ben Grumbles, Secretary, Maryland Department of the Environment(MDE)
Brig. Gen. William H. Graham, Commander, U.S. Army Corps of Engineers (USACE), North Atlantic Division
Mr. James M. Tierney, Asst. Commissioner, New York State Dept. of Environmental Conservation (NYSDEC)

**Alternate Commissioners
and Advisors Present**

Ms. Jennifer Orr, Director, Compact and Commissions Office, PADEP
Ms. Virginia Kearney, Deputy Director, Water Management Administration, MDE
Col. Edward Chamberlayne, District Engineer, USACE, Baltimore District

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. Michael College, Supervisor, Surface Water
Mr. Matthew Shank, Aquatic Biologist
Mr. Trenton R. Knapp, Compliance Specialist

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. Paul D'Amato*, Director, Region 8, NYSDEC
Mr. Christopher R. Nestor, Attorney, Overstreet
and Nestor, LLC

1. Opening Remarks from the Chair

Chairman Grumbles opened the meeting at 9:00 a.m. by outlining the rules of conduct for the meeting. Chairman Grumbles noted that a public hearing was previously held on August 4, 2016. The Commissioners introduced themselves.

2. Presentation on Invasive Species Management in the Headwaters of the Susquehanna River Basin

Dr. Willard Harmon, Distinguished Service Professor and Director of the Biological Field Station at SUNY Oneonta, gave an informational presentation focused on invasive species management in the headwaters of the Susquehanna River Basin.

3. Minutes of June 16, 2016, Commission Meeting

On a motion by Commissioner Heffner and seconded by Commissioner Graham, the minutes of the regular business meeting of June 16, 2016, were unanimously approved as written.

4. Rescission of Information Technology Services Fee Policy

Director of Administration & Finance Marcia Hutchinson presented Resolution No. 2016-08 (Exhibit A) rescinding the Information Technology Services Fee. In consideration of further process efficiencies gained since amendment of the Information Technology Services Fee in 2014, staff has found that the policy has become obsolete and requested it be rescinded.

On a motion by Commissioner Heffner, seconded by Commissioner Graham, the Commission unanimously approved the resolution.

5. Contracts and Grants

Ms. Hutchinson presented the following requests:

a. Grant Amendment Approval – Chesapeake Bay Program (Pennsylvania Department of Environmental Protection)

Staff requested that the Commission approve the signing of this grant amendment, which provides \$573,200 from PADEP to continue to assist the PADEP in its Total Maximum Daily Load (TMDL) program and the Sediment and Nutrient Assessment (SNAP) component of its Chesapeake Bay Watershed program. This scope of work also includes materials acquisition of passive samplers and support of Abandoned Mine Drainage/Waterways Assessment activities.

b. Grant Approval - Water Quality Protection and Pollution Prevention (U.S. Environmental Protection Agency)

Staff requested that the Commission approve the signing of this grant. Under the grant, staff will continue to establish and maintain adequate measures for the prevention and control of surface water pollution and implement EPA approved Clean Water Act Section 106 program activities. The Commission will also participate in the National Lakes Assessment this year. SRBC will provide \$47,847 and USEPA will provide \$709,000. The total cost of this project is \$756,847.

c. Grant Amendment Ratification – Surface Water Monitoring Agreement (Pennsylvania Department of Conservation and Natural Resources)

Staff requested ratification of this grant amendment, which provides an additional \$250,000 of funding and extends the agreement for the next three years. The initial grant provided for staff to install ten (10) real time monitoring stations, and to monitor water quality indicator parameters on State Forest Lands. Commission staff perform quarterly aqueous chemistry sampling, annual biological monitoring, and other field data collection and desktop analytics of the data.

d. Contract Approval – Mocanaqua Tunnel AMD Mine Pool Project (Eastern Pennsylvania Coalition for Abandoned Mine Reclamation)

Staff requested that the Commission approve a contract with the Eastern Pennsylvania Coalition for Abandoned Mine Reclamation (EPCAMR) at a cost not to exceed \$85,000. Under the contract EPCAMR, with assistance from American Energy Solutions, LLC (AES), will assess and delineate the Mocanaqua Tunnel area for optimum placement of the AMD treatment technology for remediation of Mocanaqua Tunnel mine pool water.

e. Grant Approval – Swatara Creek Flood Inundation Mapping Project (Dauphin County)

Staff requested that the Commission approve the signing of this grant agreement. Under this project, staff will leverage new hydraulic modeling being developed for the Swatara Creek in Dauphin County to produce stage-based inundation maps that relate expected area and depth of flooding relative to the Swatara Creek at Hershey stream gage. Staff may also use the Swatara Creek at Hershey inundation profiles to develop relational mapping for the Swatara Creek at Middletown. The project will also evaluate options to build flood resiliency in the northern portions of Dauphin County to include Armstrong and Wiconisco Creeks. Dauphin County will provide \$150,000 for this work.

On a motion by Commissioner Tierney, seconded by Commissioner Heffner, the Commission unanimously approved the grant approvals, the grant amendments and the contract.

6. Proposed Rulemaking

General Counsel Jason Oyler presented a rulemaking proposal which would amend the Commission regulations to clarify application requirements and standards for review of projects,

amend the rules dealing with the mitigation of consumptive uses, add a subpart to provide for registration of grandfathered projects, and revise requirements dealing with hearings and enforcement actions. These rules are designed to enhance the Commission's existing authorities to manage the water resources of the basin and add regulatory clarity.

Staff requested that the Commission authorize staff to publish the proposed rulemaking in the member jurisdiction notice publications, schedule public hearings, and set a comment period on a final rulemaking action proposed for the March 2017 Commission meeting.

The request, as outlined above, was voted upon and approved with unanimous consent.

7. Regulatory Program Actions

a. Compliance Action

Mr. Oyler presented the following compliance action recommendations for the Commission's consideration:

Staff has been in negotiation with Panda Liberty, LLC; Panda Patriot, LLC; and Hummel Station, LLC for a settlement of \$97,000 inclusively. The settlement has not yet been signed. The official settlement will be presented at the December meeting for approval by the Commission.

b. Report on Delegated Settlements

Mr. Oyler reported on 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 **Lackawanna Energy Center (LEC)**:

- LEC is constructing a natural gas fueled power plant in Jessup Borough, Lackawanna County.
- LEC is authorized to consumptively use water for construction and operation of the power plant. Under the terms of the approval by rule ABR 201510005, all water used for such purposes must come from the public water supply PA American Water Co.-Scranton and from no other sources.
- SRBC's Compliance staff discovered that LEC used water for construction purposes for three days from an unapproved source.
- The usage has ceased.
- LEC has no prior compliance and enforcement issues with the Commission.
- The settlement is for **\$2,000**.

A settlement with **Troy Borough Municipal Authority (Troy)**:

- Troy operates a public water supply, was considered a "grandfathered" project under the Commission regulations and is located in Bradford County
- Compliance staff identified Troy as likely having increased its usage by an amount that would trigger the loss of grandfathering and require that the project submit applications for its three groundwater wells.

- Troy and the Commission have entered a Consent Order and Agreement where Troy has agreed to operate their wells below the grandfathered threshold and has agreed to submit applications for these wells if they are operated above the threshold in the future.
- Troy has no prior compliance and enforcement issues with the Commission.
- The settlement is for **\$5,000**.

c. Emergency Certificates

Todd Eaby, Manager of Project Review, presented the following emergency certificate requests:

Furman Foods, Inc.: Staff requested that the Commission extend the term of the July 28, 2016, emergency certificate. All of the terms and conditions of the emergency certificate shall remain in full force and effect. This extension shall be effective immediately and remain in effect until November 30, 2016, or until terminated by the Executive Director in accordance with 18 CFR § 806.34(e). This emergency certificate will allow Furman Foods, Inc. to have access to sufficient water for its canning season.

Standing Stone Golf Club: The project sponsor withdrew their request for an Emergency Certificate, therefore no action was required by the Commission.

d. Docket Actions

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

- | | | | |
|--------|--|--------|---|
| 1. | Bloomfield Borough Water Authority (Well 3), Perry County, Pa. (Exhibit B1) | 20. | Transcontinental Gas Pipe Line Company LLC (Conestoga River) Lancaster County, Pa. (Exhibit B11) |
| 2. | Cabot Oil & Gas Corporation (Susquehanna River) Susquehanna County, Pa. (Exhibit B2) | 21. | Transcontinental Gas Pipe Line Company LLC (Deep Creek) Schuylkill County, Pa. (Exhibit B12) |
| 3.-7. | Elizabethtown Area Water Authority (Wells 1, 3, 4, 8, & 9) Lancaster County, Pa. (Exhibit B3) | 22. | Transcontinental Gas Pipe Line Company LLC (Fishing Creek) Columbia County, Pa. (Exhibit B13) |
| 8. | Exelon Generation Company, LLC (Muddy Run) Lancaster, Pa. | 23. | Transcontinental Gas Pipe Line Company LLC (Little Fishing Creek) Columbia County, Pa. |
| 9. | Geisinger Health System, Montour County, Pa. (Exhibit B4) | 24. | Transcontinental Gas Pipe Line Company LLC (Pequea Creek) Lancaster County, Pa. (Exhibit B14) |
| 10. | Gilbertown Power Company, Schuylkill County, Pa. | 25. | Transcontinental Gas Pipe Line Company LLC (Roaring Creek) Columbia County, Pa. (Exhibit B15) |
| 11. | Gilbertown Power Company, Schuylkill County, Pa. | 26-27. | Transcontinental Gas Pipe Line Company LLC (Susquehanna River) Wyoming County, Pa. (Exhibit B16) |
| 12. | Manbel Devco I, LP, Lancaster County, Pa. | 28-29. | Transcontinental Gas Pipe Line Company LLC (Susquehanna River-1) Columbia County, Pa. (Exhibit B17) |
| 13. | Pennsylvania American Water Company (Nittany Well 1) Centre County, Pa. (Exhibit B5) | 30-31. | Transcontinental Gas Pipe Line Company LLC (Susquehanna River-2) Columbia County, Pa. |
| 14. | Republic Services of Pennsylvania, LLC, York County, Pa. (Exhibit B6) | 32. | Transcontinental Gas Pipe Line Company LLC (Swatara Creek) Lebanon County, Pa. (Exhibit B18) |
| 15. | SWN Production Company, LLC (Fields Supply Well) Bradford County, Pa. (Exhibit B7) | 34. | Village of Windsor, Broome County, N.Y. |
| 16. | Talisman Energy USA Inc., Bradford County, Pa. (Exhibit B8) | 35. | West Manchester Township Authority (Well 7) York County, Pa. |
| 17. | Transcontinental Gas Pipe Line Company, LLC (Chiques Creek) Lancaster County, Pa. (Exhibit B9) | | |
| 18-19. | Transcontinental Gas Pipe Line Company LLC (Conestoga River) Lancaster County, Pa. (Exhibit B10) | | |

Highlight = Staff recommending tabling.
Highlight = Withdrawn

All projects on the above list were recommended for approval with the exception of Nos. 8, 10-12, 30-31, and 34-35, which were recommended for tabling and No. 23 which was withdrawn by the project sponsor.

Commissioner Graham moved and Commissioner Heffner seconded a motion that the Commission adopt the recommendations of staff for the 26 project applications; and extension of the emergency certificate. The motion was unanimously adopted by the Commission.

8. Notice to Appear and Show Cause

Mr. Charles Jefferson of Montage Mountain asked the Commission for a continuance of the Hearing until the December Commission meeting. The Commission recessed to consider the continuance request. Upon re-adjourning, the Commission granted a continuance to Montage Mountain Resorts, LP in relation to the Notice to Appear and Show Cause. Chairman Grumbles reminded the parties that this would be the only continuance allowed.

ADJOURNMENT

Commissioner Heffner moved and Commissioner Graham seconded a motion that the meeting be adjourned. Chairman Grumbles adjourned the meeting at 10:12 a.m.

Date Adopted

Stephanie L. Richardson

RESOLUTION NO. 2016-08

A RESOLUTION of the Susquehanna River Basin Commission (the “Commission”) rescinding its Information Technology Services Fee.

WHEREAS, by Resolution No. 2012-05, the Commission adopted an Information Services Fee as an addendum to its Record Processing Fee Schedule; and

WHEREAS, by Resolution No. 2014-08, the Commission amended its Information Technology Services Fee to reduce the fee to better reflect the actual costs to the Commission of processing requests; and

WHEREAS, the Commission maintains a Records Processing Fee Schedule to cover the costs associated with search, production, and reproduction of Commission records that are requested by outside parties; and

WHEREAS, it is the policy of the Commission that fees should be calculated to reflect the actual costs to the Commission of processing requests;

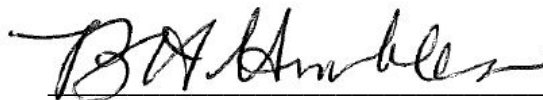
WHEREAS, the efficient use of the fee collected has allowed the establishment of the infrastructure to make data more easily and efficiently accessible for public inquiries; and

WHEREAS, in consideration of further process efficiencies gained since amendment of the Information Technology Services Fee in 2014, the staff has found that the policy has become obsolete.

NOW THEREFORE BE IT RESOLVED THAT:

1. The Commission hereby rescinds its “Information Technology Services Fee.”
2. This resolution shall be effective immediately.

Dated: September 8, 2016



Ben Grumbles, Chair
Maryland



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160901

Approval Date: September 8, 2016

BLOOMFIELD BOROUGH WATER AUTHORITY

**Groundwater Withdrawal (30-Day Average) of 0.180 mgd
from Well 3, and**

Total System Withdrawal Limit (30-Day Average) of 0.180 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 Bloomfield Borough Water Authority (Authority) system will include five sources (Well 1, Well 2, Well 3, and Perry Village Wells 1 and 2), 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. Staff recommended a reduction in the withdrawal from Well 3 to 0.180 million gallons per day (mgd) (30-day average) from the requested 0.302 mgd (30-day average) based on the demand projections for the term of the approval provided by the Authority. This approval authorizes the use of Well 3 at the reduced withdrawal rate and establishes a total system withdrawal limit.

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:	Bloomfield Borough Water Authority
Approval Type:	Groundwater Withdrawal
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Centre Township
County:	Perry 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 3
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030501 (Sherman 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 96-hour, constant-rate aquifer test of Well 3 was conducted from July 6 through 10, 2015, pumping at an average rate of 210 gallons per minute (gpm). In addition to the pumping well, four private wells, two municipal wells owned by the Authority, and one weir measuring flow from a spring were monitored during the test. The aquifer testing data indicates that significant adverse impacts to other groundwater users will not occur, but aquifer testing data for the spring was inconclusive. However, the reduced withdrawal rate based on the 15-year demand will reduce potential impacts to the spring.

Commission staff determined that the withdrawal from Well 3 at the reduced 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):	0.180
Maximum Instantaneous Withdrawal Rate (gpm):	210 (Not to Exceed)
Total System Withdrawal Limit – Wells 1, 2, and 3, and Perry Village Wells 1 and 2 (30-Day Average) (mgd):	0.180

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 1	0.101	19901103	November 8, 2020
Well 2	0.058	20011001	October 11, 2026

Perry Village Wells 1 and 2 are included in the total system limit and operations of withdrawal from those wells are approved in accordance with the Consent Order and Agreement entered into between the Authority and the Commission, effective December 17, 2015.

Section 7. Grandfathering Determination – Withdrawals and Consumptive Water Use

The project no longer utilizes surface water withdrawals or groundwater withdrawals that existed prior to November 11, 1995 or July 13, 1978, respectively. All sources operated by the system are subject to Commission review and approval.

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. 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 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 make, model, and 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 groundwater elevation monitoring plan reviewed and approved by Commission staff for the source listed in Section 3. 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.

6. The project sponsor shall keep daily records of the project's withdrawal 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.

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. The project sponsor shall comply with the water conservation requirements and reduce system water losses to less than twenty (20) percent to comply with Commission Regulation 18 CFR § 806.25(a)(1). The project sponsor shall reduce system losses and achieve compliance with the water conservation requirements within five (5) years of the effective date of this docket approval unless the Commission grants an extension of time due to extenuating circumstances described, in writing, by the project sponsor. The project sponsor shall report to the Commission annually on the progress made pursuant to this requirement. Annual reports are due within sixty (60) days after the close of the preceding calendar year. If the project sponsor can show reduced system water losses to below twenty (20) percent the first two (2) years, the requirement of annual reports for the remainder of the five (5)-year period shall no longer be required following notification from Commission staff in writing of this change.

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.

Section 10. Term

22. 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.

23. This approval is effective until September 7, 2031. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

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Docket No. 20160902

Approval Date: September 8, 2016

CABOT OIL & GAS CORPORATION

**Surface Water Withdrawal (Peak Day) of up to 2.000 mgd
from the 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. 20120904 that was originally approved September 20, 2012, with a peak day withdrawal rate of 2.000 million gallons per day (mgd) and special flow protection requirements. The project sponsor has not requested any changes to the project. Considering the withdrawal individually and with respect to cumulative upstream water use consistent with Commission Policy No. 2012-01 (Low Flow Protection Policy), Commission staff did not recommend flow protection conditions. 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 No.:	20120904
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Great Bend Township
County:	Susquehanna 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:	Susquehanna River
Subbasin:	Upper Susquehanna
Watershed Boundary Dataset (WBD):	0205010113 (Lower Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 41.964614 N Long: 75.736972 W
Site Flow Statistics (cfs):	Q7-10 = 172; Average Daily Flow = 3,360
Impairment:	Mercury; Polychlorinated Biphenyl (PCB)
Drainage Area (square miles):	2,046
Aquatic Resource Class*:	5
Special Flow Protection Required:	No
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):	2.000 (Not to Exceed)
Maximum Instantaneous Withdrawal Rate (gpm):	1,389 (Not to Exceed)
gpm – gallons per minute	

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. 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.

20. The project is fully constructed and no changes are proposed. However, if changes are proposed or maintenance requires instream work, the project sponsor should adhere to recommendations provided by PFBC in the Pennsylvania Natural Diversity Inventory (PNDI) response for avoiding adverse impact to documented occurrences of rare species at or in

proximity to the project location. The documented species is the elktoe mussel (*Alasmidonta marginata*).

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.

24. 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

25. This approval shall be effective October 1, 2016, and shall remain effective until September 30, 2020. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 2020, 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.

26. Commission Docket No. 20120904 shall remain effective through September 30, 2016, 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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson

SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160903

Approval Date: September 8, 2016

ELIZABETHTOWN AREA WATER AUTHORITY

**Groundwater Withdrawals (30-Day Averages) of
0.201 mgd from Well 1, 0.106 mgd from Well 3,
0.130 mgd from Well 4, 0.187 mgd from Well 8, and 0.216 mgd from Well 9;
Combined Withdrawal Limit (30-Day Average) of
1.204 mgd from Wells 1, 3, 4, 5, 8, and 9; and
Total System Withdrawal Limit (30-Day Average) of 2.230 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 unmitigated 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.

In December 2011, Elizabethtown Area Water Authority (EAWA) assumed ownership of the public water supply system formerly owned and operated by the Mount Joy Township Authority (MJTA). On January 13, 2012, Commission Docket No. 19910903, which approved the operation of two wells by MJTA, was conditionally transferred to EAWA. In accordance with Commission regulations in effect at the time of the change of ownership, EAWA was required to submit groundwater withdrawal applications for the transferred sources previously operated by MJTA (EAWA Wells 8 and 9; formerly MJTA Wells 1 and 2) and for the continued use of the wells that were in operation by EAWA prior to July 13, 1978 (Wells 1, 3, and 4), that were not approved by the Commission. The combined system includes eight wells (Wells 1, 3, 4, 5, 6, 7, 8, and 9) and surface water withdrawals from Conewago Creek, Back Run, and Cornwall Quarry, all of which are incorporated into a total system limit.

This approval authorizes the use of Wells 1, 3, 4, 8, and 9 at the revised requested withdrawal rates, establishes a subsystem limit for the Conoy Creek basin wells, and establishes a total system limit. The total system limit is based on the 15-year projected demand developed by Commission staff and will be reevaluated during the technical review of the submitted pending application for Well 6 and during the renewal process for Well 5, which expires on April 14, 2018. Should demand exceed the total system limit established herein, EAWA may seek 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 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:	Elizabethtown Area Water Authority
Approval Type:	Groundwater Withdrawal
Past Docket No.:	19910903 (Wells 8 and 9 only)
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Elizabethtown Borough and Mount Joy Township
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	
Withdrawal Type:	Groundwater
Approved Sources:	Wells 1, 3, 4, 8, and 9
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030617 (Lower 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

The project sponsor requested that the constant-rate aquifer testing required by Commission Regulation 18 CFR § 806.12 for groundwater withdrawals be waived for Wells 1, 3, and 4. In support of the aquifer testing waiver request for Wells 1, 3, and 4, the project sponsor provided the required groundwater availability analysis and historical withdrawal and water level data during drought periods. Pursuant to Commission Resolution No. 2015-06, the Executive Director approved the waiver of the aquifer testing requirements of Commission Regulation 18 CFR § 806.12 on October 8, 2015. Commission staff finds that withdrawals from Wells 1, 3, and 4 at the requested withdrawal rates should not cause permanent loss of aquifer

storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin.

The constant-rate aquifer testing required by Commission Regulation 18 CFR § 806.12 for groundwater withdrawals was completed with prior Commission approval for Wells 8 and 9. A 72-hour, constant-rate aquifer test of Well 8 was conducted from September 3 through 6, 2013, pumping at an average rate of 134.1 gallons per minute (gpm). A 72-hour, constant-rate aquifer test of Well 9 was conducted from August 20 through 23, 2013, pumping at an average rate of 146.5 gpm.

Commission staff finds that the withdrawals from Wells 8 and 9 at the requested withdrawal rates should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause unmitigated significant 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				
Source	30-Day Average Withdrawal (mgd)	Maximum Instantaneous Withdrawal Rate (gpm) (not to exceed)	Combined Withdrawal Limit* (30-day average) (mgd)	Total System Withdrawal Limit** (30-day average) (mgd)
Well 1	0.201	140	1.204	2.230
Well 3	0.106	104		
Well 4	0.130	150		
Well 8	0.187	130		
Well 9	0.216	150		
mgd – million gallons per day * Combined withdrawal limit includes Wells 1, 3, 4, 5, 8, and 9. ** Total system withdrawal limit includes Wells 1, 3, 4, 5, 6, 7, 8, and 9, and surface water withdrawals from Conewago Creek, Back Run, and Cornwall Quarry.				

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 tables below.

Existing Approved Groundwater Withdrawals				
Source	30-Day Average Withdrawal (mgd)	Combined Withdrawal Limit (30-day average) (mgd)	Commission Docket No.	Docket Expiration Date
Well 5	0.432	Not Applicable	19880402	April 14, 2018
Well 6	0.432	0.432*	19861103	November 13, 2016
Well 7	0.432		19980106	January 15, 2023
* Includes Wells 6 and 7				

Existing Approved Surface Water Withdrawals*			
Source	Peak Day Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Conewago Creek	1.620	19970501	June 10, 2022
Back Run	1.620	19970501	June 10, 2022
Cornwall Quarry	1.500	19970501	June 10, 2022
* The maximum withdrawal from Back Run Reservoir shall be limited to 1.620 mgd, including natural flows from Back Run plus augmented flows from Cornwall Quarry and Conewago Creek.			

Section 7. Grandfathering Determination – Withdrawals and Consumptive Water Use

All surface water withdrawals utilized by the project sponsor have been approved by the Commission.

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

The project used four groundwater wells (Wells 1, 2, 3, and 4) prior to July 13, 1978. In accordance with Commission Regulation 18 CFR § 806.4, the addition of two new sources in 2012 (Wells 8 and 9) subjected the pre-regulation withdrawals to Commission review and approval. The project sponsor discontinued use of Well 2 as a source of water. With this approval, all EAWA withdrawals have Commission approval.

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 withdrawals in accordance with Commission Regulation 18 CFR § 806.30.

4. The project sponsor shall maintain the totalizing meters 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 groundwater elevation monitoring plan reviewed and approved by Commission staff for the sources listed in Sections 3 and 6. The project sponsor shall maintain and monitor the accuracy of the measuring devices in accordance with the manufacturer's specifications.

6. The project sponsor shall keep daily records of the project's withdrawal 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.

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 that would exceed the amounts listed herein.

18. 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.

19. 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

20. The accuracy of the meters for the Conewago Creek withdrawal and Wells 3, 4, 5, 6, 8, and 9 were certified on May 20, 2015. Well 1 flow meter was certified on March 30, 2015. The Back Run flow meter (referred to as Filter Plant) was certified on February 9, 2015. The next meter certifications for all of these sources are due no later than May 20, 2020.

21. The accuracy of the Cornwall Quarry meter has not been certified within the past five (5) years and shall be certified for accuracy within ninety (90) days from the date of this approval.

22. Unless otherwise specified herein, 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.

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).

24. 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

25. This approval shall be effective October 1, 2016, and shall remain effective until September 30, 2031. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 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.

26. Commission Docket No. 19910903 shall remain effective through September 30, 2016, whereupon it shall be rescinded.

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 September 8, 2016.

Dated: September 9, 2016



Stephanie L. Richardson

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Docket No. 19910103-3

Approval Date: January 17, 1991

Modification Date: April 11, 2002

Modification Date: April 10, 2003

Modification Date: September 8, 2016

GEISINGER HEALTH SYSTEM

**Consumptive Water Use (Peak Day) of up to 0.499 mgd
from Well 3, the Mine Shaft Well, and Public Water Supply**

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 modification of the project described herein in accordance with the conditions set forth below.

On January 17, 1991, Commission Docket No. 19910103 was approved authorizing Geisinger Health System (Geisinger) to withdraw up to 0.140 million gallons per day (mgd) of groundwater from Well 3. The docket was modified on April 11, 2002, to authorize the consumptive use of water up to 0.120 mgd at the Geisinger Medical Center (Medical Center) from three sources (Well 3, the Mine Shaft Well, and a public water supply system [Danville Water Authority]). On April 10, 2003, the docket was again modified to increase the approved consumptive water use quantity from 0.120 mgd to 0.180 mgd. The project sponsor has requested a modification to Commission Docket No. 19910103-2 to increase the approved consumptive water use by an additional 0.319 mgd to a maximum total consumptive water use of 0.499 mgd. The increased quantity, which is needed to meet the needs of recent infrastructure expansion and planned building expansion, will be from the public water supply system. This modification does not include any increases of the groundwater withdrawal from the Mine Shaft Well or the previously approved groundwater withdrawal from Well 3. This approval authorizes the requested consumptive water use modification.

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:	Geisinger Health System
Approval Type:	Consumptive Water Use
Original Docket Nos.:	19910103, 19910103-1, and 19910103-2
Authorized Water Use Purpose:	Medical Center Institutional Use
Municipality:	Mahoning Township
County:	Montour County
State:	Pennsylvania

Section 3. Approved Consumptive Water Use Quantities and Limitations

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

Approved Consumptive Water Use Quantities and Limitations	
Sources for Project Consumptive Water Use:	<ol style="list-style-type: none"> 1. Well 3 2. Mine Shaft Well 3. Public Water Supply – Danville Water Authority
Peak Day Consumptive Water Use Amount (mgd):	0.499 (Not to Exceed)
Project Consumptive Water Uses:	<ol style="list-style-type: none"> 1. Institutional use 2. Evaporative cooling 3. Boiler makeup 4. Incidental uses associated with constructing and operating a medical center
Consumptive Water Use Mitigation Type:	Payment of consumptive use mitigation fee

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

Section 4. Existing Approved Withdrawals

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

Existing Approved Groundwater Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Well 3	0.140	19910103	January 17, 2021

Section 5. Grandfathering Determination – Withdrawals and Consumptive Water Use

Quantities applicable to the project’s grandfathering determinations for existing withdrawals and consumptive water use are listed in the tables below.

Grandfathered Groundwater Withdrawals	
Source	30-Day Average Withdrawal (mgd)*
Mine Shaft Well	0.266
* Value represents the maximum interpreted 30-day average amounts that occurred prior to applicable regulatory effective date.	

Grandfathered Consumptive Water Use		
Consumptive Water Use	Source	Peak Day Consumptive Water Use (mgd)
Institutional Water Use	Well 3, the Mine Shaft Well, and Public Water Supply	0.043

The grandfathered groundwater withdrawal quantity identified in the table above is based on information submitted by Geisinger. The grandfathered consumptive water use quantity identified in the table above is based on information previously submitted by Geisinger in support of the project modification that had been approved on April 11, 2002. The grandfathered withdrawal and consumptive water use quantities and the grandfathered status of the Mine Shaft Well are subject to change if information becomes available that demonstrates withdrawals or consumptive water use occurred at rates that are inconsistent with the data submitted and utilized to support this determination.

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 water 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 water 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 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 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 water use is subject to mitigation requirements, as per Commission Regulation 18 CFR § 806.22(b). For the purposes of this project, 0.043 mgd is considered to be grandfathered and is not subject to consumptive use mitigation requirements. To satisfy the Commission's current mitigation requirements for consumptive water 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 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, 4, and 5.

Section 7. Special Conditions

18. All other conditions in Commission Docket Nos. 19910103, 19910103-1, and 19910103-2 not inconsistent herewith shall remain effective.

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

Section 8. Term

20. This modified approval shall be effective October 1, 2016, and shall remain effective until January 17, 2021, the term of the original docket approval. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before July 17, 2020, 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 September 8, 2016.

Dated: September 9, 2016



Stephanie L. Richardson

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Docket No. 20160905

Approval Date: September 8, 2016

PENNSYLVANIA AMERICAN WATER COMPANY – NITTANY WATER SYSTEM

**Groundwater Withdrawal (30-Day Average) of 0.262 mgd
from Nittany Well 1, and
Total System Withdrawal Limit (30-Day Average) of 0.262 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.

On February 3, 2010, Pennsylvania American Water Company (PAWC) assumed ownership of the public water supply system formerly owned and operated by Nittany Water Company (NWC). On April 12, 2010, Commission Docket No. 19911101, which approved the operation of Nittany Well 1 by NWC, was conditionally transferred to PAWC. In accordance with Commission regulations in effect at the time of the change of ownership, PAWC was required to submit a groundwater withdrawal application to the Commission for Nittany Well 1. Nittany Well 1 is the sole source for this public water supply system.

PAWC completed aquifer testing at a higher rate and requested a withdrawal of 0.432 million gallons per day (mgd). Commission staff recommended that the withdrawal be reduced from the requested 0.432 mgd to 0.262 mgd and that a total system limit be established, both of which are based on the 15-year projected demand for the public water supply system. This approval incorporates those recommendations.

Should future demand not be consistent with projected demand nor the estimated growth rate provided by PAWC and the reduced quantity, PAWC may seek a minor modification in accordance with Commission Regulation 18 CFR § 806.18(c)(7) and request an increase to the total system limit, as the total system limit provided 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:	Pennsylvania American Water Company
Approval Type:	Groundwater Withdrawal
Past Docket No.:	19911101 (Nittany Water Company)
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Walker Township
County:	Centre 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:	Nittany Well 1
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020403 (Fishing 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 72-hour, constant-rate aquifer test of Nittany Well 1 was conducted from September 28, 2015 through October 1, 2015, pumping at an average rate of 302 gallons per minute (gpm).

Commission staff determined that the withdrawal from Nittany Well 1 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):	0.262
Maximum Instantaneous Withdrawal Rate (gpm):	300 (Not to Exceed)
Total System Withdrawal Limit (30-Day Average) (mgd):	0.262

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

Section 6. Existing Approved Withdrawals

The project does not have existing approved withdrawals.

Section 7. Grandfathering Determination – Withdrawals and Consumptive Water Use

The project no longer utilizes surface water withdrawals or groundwater withdrawals prior to November 11, 1995 or July 13, 1978, respectively.

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 shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the source listed in Section 3. 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.

6. The project sponsor shall keep daily records of the project's withdrawal 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.

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. 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 that would exceed the amounts listed herein.

18. 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.

19. 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

20. The project sponsor shall comply with the water conservation requirements and reduce system water losses to less than twenty (20) percent to comply with Commission Regulation 18 CFR § 806.25(a)(1). The project sponsor shall reduce system losses and achieve compliance with the water conservation requirements within five (5) years of the effective date of this docket approval unless the Commission grants an extension of time due to extenuating circumstances described, in writing, by the project sponsor. The project sponsor shall report to the Commission annually on the progress made pursuant to this requirement. Annual reports are due within sixty (60) days after the close of the preceding calendar year.

21. The date of the last meter certification was May 18, 2016; therefore, the next meter certification is due no later than May 18, 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. 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.


Section 10. Term

24. This approval shall be effective October 1, 2016, and shall remain effective until September 30, 2031. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 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.

25. Commission Docket No. 19911101 shall remain effective through September 30, 2016, whereupon it shall be rescinded.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160906

Approval Date: September 8, 2016

REPUBLIC SERVICES OF PENNSYLVANIA, LLC

Groundwater Withdrawal (30-Day Average) of 0.350 mgd from Modern Landfill – Groundwater Remediation Wellfields

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.

The project sponsor operates a groundwater remediation (extraction) system at the Modern Landfill facility in York County, Pennsylvania. The ongoing remediation efforts are being conducted under the oversight of the Pennsylvania Department of Environmental Protection (PADEP) and the U.S. Environmental Protection Agency (USEPA). This site was listed on the Federal National Priorities List in 1986 and cleanup efforts have been ongoing.

The Commission originally approved the project sponsor's request for the groundwater withdrawals related to operation of the groundwater remediation system on September 11, 1986 (Commission Docket No. 19860903). On June 29, 1987, the Commission approved a modification (Commission Docket No. 19860903-1) for an increased 30-day average withdrawal rate (from 0.250 million gallons per day [mgd] to 0.350 mgd). In order to maintain control of the leachate-impacted groundwater, over time and under oversight of PADEP and USEPA, the project sponsor has added or removed numerous recovery wells and currently uses 16 extraction wells in two separate areas.

Commission staff has coordinated with 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:	Republic Services of Pennsylvania, LLC
Approval Type:	Groundwater Withdrawal
Past Docket Nos.:	19860903 and 19860903-1
Authorized Water Use Purpose:	Groundwater Remediation
Municipality:	Windsor and Lower Windsor Townships
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:	Modern Landfill – Groundwater Remediation Wellfields
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030617 (Susquehanna River)
Withdrawal Location (degrees)*:	Lat: 39.963207 N Long: 76.596027 W
Special Flow Protection Required:	No
* Coordinates provided are for the treatment facility.	

Section 4. Aquifer Testing

The project sponsor requested that the constant-rate aquifer testing required by Commission Regulation 18 CFR § 806.12 for groundwater withdrawals be waived. In support of the aquifer testing waiver request, the project sponsor provided the required groundwater availability analysis, historic groundwater withdrawal data from January 2010 through September 2015, and results and analysis of aquifer testing conducted previously on the extraction wells currently used.

Commission staff determined that the withdrawals from the recovery wells 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. Therefore, the aquifer testing requirements for the recovery wells are hereby waived.

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):	0.350

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

Section 6. 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 7. 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(s) 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 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 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. 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. 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 8. Special Conditions

17. Meter certifications have not been required for this project to date. Within sixty (60) days from the date of the installation of the totalizing meter, the project shall provide photos of

the installed meter, meter specifications, and certification of meter accuracy; thereafter, 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. The recovery wells shall not be used as supply production wells or for any other non-remediation purposes at the site.

19. The project sponsor shall have the option of reactivating existing recovery wells in the future, or adding new recovery wells to the existing remediation system, provided the total withdrawal from all recovery wells does not exceed the 0.350 mgd (30-day average) system limit. The project sponsor shall notify the Commission, in writing, of any changes in the status of the recovery wells (reactivated or deactivated), or the installation of any new recovery wells, within thirty (30) days of the change.

Section 9. Term

20. This approval shall be effective October 1, 2016, and shall remain effective until September 30, 2031. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 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.

21. Commission Docket Nos. 19860903 and 19860903-1 shall remain effective through September 30, 2016, 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 September 8, 2016.

Dated: September 9, 2016



Stephanie L. Richardson



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Docket No. 20160907

Approval Date: September 8, 2016

SWN PRODUCTION COMPANY, LLC

Groundwater Withdrawal (30-Day Average) of 0.101 mgd from the Fields Supply Well

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.

On September 15, 2011, the Commission approved the groundwater withdrawal (30-day average) of 0.101 million gallons per day (mgd) from the Fields Supply Well under Commission Docket No. 20110908, which expired on September 14, 2015. On January 18, 2016, the project sponsor submitted a groundwater withdrawal application to the Commission requesting approval for the withdrawal of 0.101 mgd (consecutive 30-day average) from the Fields Supply Well. This approval authorizes the use of the Fields Supply Well at the requested withdrawal rate.

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:	SWN Production Company, LLC
Approval Type:	Groundwater Withdrawal
Past Docket No.:	20110908 (Expired)
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Herrick 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	
Withdrawal Type:	Groundwater
Approved Source:	Fields Supply Well
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010607 (Wyalusing Creek)
Withdrawal Location (degrees):	Lat: 41.801214 N Long: 76.221130 W
Special Flow Protection Required:	No

Section 4. Aquifer Testing

The project sponsor requested that the constant-rate aquifer testing required by Commission Regulation 18 CFR § 806.12 for groundwater withdrawals be waived. In support of the aquifer testing waiver request, the project sponsor provided the required groundwater availability analysis, results of aquifer testing completed in 2010 in accordance with a Commission-approved aquifer testing plan, and historic operational data. The requested withdrawal rate is supported by the aquifer testing data and operational data.

Because historic aquifer testing indicated that the water level in the Fields Supply Well could drop below a critical water-bearing zone and potential impacts to a nearby well was expected, Commission Docket No. 20110908 was conditioned with a water level restriction in the Fields Supply Well, a mitigation requirement for the residential well, and confirmatory monitoring. The project sponsor installed a device to limit the water level in the Fields Supply Well and mitigated the impacted residential well by installing a new residential well. Monitoring of the new residential well was conducted during operation of the Fields Supply Well. Because the Fields Supply Well has not been significantly operated for extended periods of time, Commission staff recommends continuation of the water level restriction in the Fields Supply Well and monitoring of the new residential well, as specified in Special Conditions 20 and 21 herein.

Commission staff finds that the withdrawal from the Fields Supply Well at the requested withdrawal rate as conditioned herein should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin. Therefore, the aquifer testing requirements for the Fields Supply Well are hereby waived.

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):	0.101
Maximum Instantaneous Withdrawal Rate (gpm):	100 (Not to Exceed)
gpm – gallons per minute	

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

Section 6. Existing Approved Withdrawals

The project does not have existing approved withdrawals.

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. 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 keep daily records of the project’s withdrawal and groundwater elevations 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. 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.

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. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the source listed in Section 3.

20. To eliminate the potential for dewatering a significant water-bearing zone at 225 feet below ground surface (bgs), the drawdown in the Fields Supply Well shall be limited to 220 feet bgs. The project sponsor shall maintain the installed automatic shut-off switch that ceases withdrawals at the prescribed elevation.

21. The project sponsor shall continue residential well monitoring in the vicinity of the Fields Supply Well in accordance with the Metering and Groundwater Elevation Monitoring Plan that was approved by the Commission on February 10, 2012, with the following modifications:

- a. Because the original Fields Residential Well is no longer in use, monitoring and reporting of groundwater elevations in the original Fields Residential Well is no longer required.
- b. The project sponsor shall keep groundwater elevation data records collected from the Fields New Residential Well that was installed to mitigate expected significant adverse impacts to the original residential well. Any alternative measuring or monitoring procedure requested by the project sponsor shall be submitted for review and, if appropriate, approval by Commission staff prior to implementing or modifying existing equipment or procedures. 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 discovery of an indication that a significant adverse impact to other groundwater users may occur or has occurred as a result of the project sponsor's groundwater withdrawals.

- c. Groundwater elevation data from the Fields New Residential Well shall be collected and reported to the Commission for the entire term of the approval, unless Commission staff determines that continued monitoring is not required and provides said determination in writing.
- d. Interpretive annual reports including the continuous monitoring data documenting the results of the Fields New Residential Well and the Fields Supply Well during the previous calendar year must be provided to the Commission by March 1. The first annual report shall be submitted no later than March 1, 2017. Should the groundwater data indicate that unacceptable impacts will occur as a result of operating the Fields Supply Well at the approved rate, the Commission may revise this approval or impose new conditions on the use of the wells to avoid significant adverse impact, or require other mitigation be completed.

22. The project sponsor shall comply with the water conservation requirements to comply with Commission Regulation 18 CFR § 806.25(b).

23. The date of the last meter certification was May 22, 2015; therefore, the next meter certification is due no later than May 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.

24. Except as authorized pursuant to Special Condition 26, 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).

25. 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 26, including daily quantities supplied.

26. 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 10. Term

27. 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.

28. This approval is effective until September 7, 2020. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 2020, 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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson

SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

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Docket No. 20160908

Approval Date: September 8, 2016

TALISMAN ENERGY USA INC.

**Surface Water Withdrawal (Peak Day) of up to 1.500 mgd
from the 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. 20120912 that was originally approved September 20, 2012, with a peak day withdrawal rate of 1.500 million gallons per day (mgd) and no special flow protection requirements. The project sponsor has not requested any changes to the project. Commission staff recommended that the special flow protection requirements be modified 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:	Talisman Energy USA Inc.
Approval Type:	Surface Water Withdrawal
Past Docket No.:	20120912
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Sheshequin 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:	Susquehanna River
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010605 (Upper Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 41.848500 N Long: 76.494361 W
Site Flow Statistics (cfs):	Q7-10 = 575; Average Daily Flow = 10,600
Impairment:	Mercury; Polychlorinated Biphenyl (PCB)
Drainage Area (square miles):	7,577
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):	1,500 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	1,400 (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 01531500; Susquehanna River at Towanda, 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	859	885
August	651	671
September	598	616
October	755	778
November	--	--
December	--	--
1 cfs = 448.8 gallons per minute (gpm)		USGS – U.S. Geological Survey
* Flow Protection Threshold		-- – No special flow protection required

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 October 1, 2016, 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 September 9, 2014; therefore, the next meter certification is due no later than September 9, 2019. 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. The project is fully constructed and no changes are proposed. However, if changes are proposed or maintenance requires instream work, the project sponsor should adhere to recommendations provided by PFBC in the Pennsylvania Natural Diversity Inventory (PNDI) response for avoiding adverse impact to documented occurrences of rare species at or in proximity to the project location. The documented species are the elktoe mussel (*Alasmidonta marginata*) and triangle floater mussel (*Alasmidonta undulata*).

23. Except as authorized pursuant to Special Condition 25, 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).

24. 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 25, including daily quantities supplied.

25. 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.

26. 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

27. This approval shall be effective October 1, 2016, and shall remain effective until September 30, 2020. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 2020, 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. 20120912 shall remain effective through September 30, 2016, 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 September 8, 2016.

Dated: September 9, 2016



Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160909
Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 2.880 mgd
 from Chiques 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 the project described herein in accordance with the conditions set forth below.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	West Hempfield Township
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:	Chiques Creek
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030608 (Chickies Creek)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 40.066258 N Long: 76.490622 W
Site Flow Statistics (cfs):	Q7-10 = 11.2; Average Daily Flow = 90.5
Impairment:	Nutrients; Siltation
Drainage Area (square miles):	62.1
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):	2.880 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	2,000 (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 01576754; Conestoga River at Conestoga, 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	45	374
February	55	448
March	67	543
April	64	519
May	50	415
June	36	308
July	28	248

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	23	208
September	19	182
October	26	230
November	30	261
December	44	370
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. 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

18. 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.

19. 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.

20. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.


Section 7. Term

21. 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.

22. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788
 (717) 238-0423 Phone • (717) 238-2436 Fax

Docket No. 20160910

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 0.360 mgd
 from the Conestoga River, and
 Consumptive Water Use (Peak Day) of up to 0.100 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.880 million gallons per day (mgd) at a maximum instantaneous rate of 2,000 gallons per minute (gpm). In consideration of limitations of transporting water solely by trucking, staff informed the project sponsor of staff's intention to recommend a reduction in the daily and instantaneous withdrawal rates. The project sponsor subsequently requested a reduced peak day withdrawal rate of 0.360 mgd at a reduced maximum instantaneous rate of 500 gpm. This approval incorporates those modified rates.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Types:	Surface Water Withdrawal and Consumptive Water Use
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline, Horizontal

	Directional Drilling, and Related Incidental Uses
Municipality:	Conestoga Township
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: 39.962711 N Long: 76.364817 W
Site Flow Statistics (cfs):	Q7-10 = 71.7; Average Daily Flow = 578
Impairment:	Mercury; Pathogens
Drainage Area (square miles):	397
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):	0.360 (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 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	257	305
February	313	371
March	398	472
April	383	454
May	306	363
June	217	258
July	160	191
August	135	161
September	113	135
October	151	180
November	173	205
December	232	276
USGS – U.S. Geological Survey * Flow Protection Threshold		

1 cfs = 448.8 gpm

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

Section 5. Approved Consumptive Water Use Quantities and Limitations

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

Approved Consumptive Water Use Quantities and Limitations	
Source for Project Consumptive Water Use:	Conestoga River
Peak Day Consumptive Water Use Amount (mgd):	0.100 (Not to Exceed)
Project Consumptive Water Uses:	1. Horizontal directional drilling (HDD) 2. Related incidental uses
Consumptive Water Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use of water 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. 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 consumptive water 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, 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 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 water 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 water 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. 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

18. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for horizontal directional drilling and hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

19. 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 project sponsor should adhere to recommendations provided by DCNR in the Pennsylvania Natural Diversity Inventory (PNDI) response for avoiding adverse impact to documented occurrences of the rare species at or in proximity to the project location. The documented species is flat-stemmed pondweed.

22. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the

Commission for review and approval by Commission staff that details equipment decontamination procedures.

23. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 8. Term

24. 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.

25. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

(717) 238-0423 Phone • (717) 238-2436 Fax

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Docket No. 20160911

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 0.360 mgd
from the Conestoga River, and
Consumptive Water Use (Peak Day) of up to 0.100 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.590 million gallons per day (mgd) at a maximum instantaneous rate of 1,800 gallons per minute (gpm). In consideration of limitations of transporting water solely by trucking, staff informed the project sponsor of staff's intention to recommend a reduction in the daily and instantaneous withdrawal rates. The project sponsor subsequently requested a reduced peak day withdrawal rate of 0.360 mgd at a reduced maximum instantaneous rate of 500 gpm. This approval incorporates those modified rates.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Types:	Surface Water Withdrawal and Consumptive Water Use
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline, Horizontal Directional Drilling, and Related Incidental Uses
Municipality:	Conestoga Township
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: 39.925728 N Long: 76.384264 W
Site Flow Statistics (cfs):	Q7-10 = 85.8; Average Daily Flow = 692
Impairment:	Mercury; Pathogens
Drainage Area (square miles):	475
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):	0.360 (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 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	307	306
February	374	372
March	476	473
April	458	455
May	366	364
June	260	259
July	192	192
August	162	162
September	135	136
October	181	181
November	207	206
December	278	277
USGS – U.S. Geological Survey * Flow Protection Threshold		
1 cfs = 448.8 gpm		

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

Section 5. Approved Consumptive Water Use Quantities and Limitations

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

Approved Consumptive Water Use Quantities and Limitations	
Source for Project Consumptive Water Use:	Conestoga River
Peak Day Consumptive Water Use Amount (mgd):	0.100 (Not to Exceed)
Project Consumptive Water Uses:	1. Horizontal directional drilling (HDD) 2. Related incidental uses
Consumptive Water Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use of water 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. 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 consumptive water 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, 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 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 water 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 water 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. 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

18. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for horizontal directional drilling and hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

19. 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 project sponsor shall adhere to recommendations provided by the Pennsylvania Game Commission (PGC) in the Pennsylvania Natural Diversity Inventory (PNDI) response and November 25, 2015, response letter for avoiding adverse impact to documented occurrences of endangered species at or in proximity to the project location. The documented species is the Peregrine falcon (*Falco peregrinus*). The project sponsor shall avoid all project activities during the nesting season, February 15 through July 31, unless otherwise provided for by PGC in writing and submitted to the Commission.

22. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.

23. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 8. Term

24. 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.

25. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160912

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day), Variable, of up to 2.880 mgd
from Deep 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.880 million gallons per day (mgd) at a maximum instantaneous rate of 2,000 gallons per minute (gpm). In consideration of the drainage area, flows in Deep Creek, and the magnitude of the proposed withdrawal, staff informed the project sponsor of staff's intention to recommend a reduction in the withdrawal rates and adjustments to the passby flows to be protective during low flow conditions. The project sponsor subsequently requested monthly peak day withdrawal rates and monthly maximum instantaneous rates of 200 to 2,000 gpm. Considering the revised requested withdrawal rates, Commission staff recommended that special flow protection requirements be required to reflect current policy. This approval incorporates those modified rates and staff recommendations.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	Hegins Township
County:	Schuylkill 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:	Deep Creek
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030107 (Deep Creek)
Water Use Designation:	Cold Water Fishery (CWF)
Withdrawal Location (degrees):	Lat: 40.671947 N Long: 76.468600 W
Site Flow Statistics (cfs):	Q7-10 = 0.7; Average Daily Flow = 25.9
Drainage Area (square miles):	17.9
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):	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 01555500; East Mahantango Creek near

Dalmatia, Pennsylvania				
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>
January	1.728	1,200	11	125
February	1.872	1,300	12	135
March	2.880	2,000	21	228
April	2.880	2,000	18	207
May	1.872	1,300	12	134
June	1.008	700	6.6	75
July	0.548	380	3.5	40
August	0.389	270	2.4	28
September	0.288	200	2.0	23
October	0.432	300	2.8	32
November	0.864	600	5.6	64
December	1.656	1,150	10	118
USGS – U.S. Geological Survey			1 cfs = 448.8 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

18. 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.

19. 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.

20. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.


Section 7. Term

21. 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.

22. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson

SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160913

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day), Variable, of up to 2.592 mgd
from Fishing 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.592 million gallons per day (mgd) at a maximum instantaneous rate of 1,800 gallons per minute (gpm). In consideration of the drainage area, flows in Fishing Creek, and the magnitude of the proposed withdrawal, staff informed the project sponsor of staff's intention to recommend a reduction in the withdrawal rates and adjustments to the passby flows to be protective during low flow conditions. The project sponsor subsequently requested peak day monthly withdrawal rates and monthly maximum instantaneous rates of 300 to 1,800 gpm. Considering the revised requested withdrawal rates, Commission staff recommended that special flow protection requirements be required to reflect current policy. This approval incorporates those modified rates and staff recommendations.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	Sugarloaf Township
County:	Columbia 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:	Fishing Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010707 (Fishing Creek)
Water Use Designation:	Cold Water Fishery (CWF)
Withdrawal Location (degrees):	Lat: 41.272992 N Long: 76.381892 W
Site Flow Statistics (cfs):	Q7-10 = 2.7; Average Daily Flow = 109
Wild Trout Classification:	Naturally Reproducing Wild Trout
Drainage Area (square miles):	53.1
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 01552500; Muncy Creek near Sonestown,

Pennsylvania				
Approved Withdrawal Quantities and Limitations (continued)				
Withdrawal and Passby Schedule:				
Month	Peak Day Withdrawal (mgd)	Maximum Instantaneous Withdrawal (gpm)	On-Site Flow Protection Rate (cfs)	Off-Site Monitoring Threshold for Flow Protection (cfs)*
January	2.016	1,400	29	15
February	2.160	1,500	31	16
March	2.592	1,800	62	30
April	2.592	1,800	74	35
May	2.592	1,800	45	22
June	1.296	900	18	9.0
July	0.576	400	8.5	4.2
August	0.432	300	6.0	3.0
September	0.432	300	6.0	3.0
October	0.720	500	11	5.4
November	2.592	1,800	38	19
December	2.592	1,800	47	23
USGS – U.S. Geological Survey			1 cfs = 448.8 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

18. 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.

19. 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.

20. The project sponsor shall adhere to the recommendation provided by PFBC for avoiding adverse impact to documented occurrences of naturally reproducing wild trout populations by avoiding instream construction from October 1 through December 31, unless otherwise approved by PFBC in writing and submitted to the Commission.

21. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.

22. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 7. 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 September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160914

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 2.880 mgd
from Pequea 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 the project described herein in accordance with the conditions set forth below.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	Martic Township
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:	Pequea Creek
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030612 (Pequea Creek)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 39.920642 N Long: 76.319922 W
Site Flow Statistics (cfs):	Q7-10 = 25.3; Average Daily Flow = 204
Drainage Area (square miles):	140
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):	2.880 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	2,000 (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 01576754; Conestoga River at Conestoga, 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	101	355
February	124	429
March	152	524
April	145	500
May	114	396
June	82	289
July	64	229
August	52	189

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>
September	44	163
October	58	211
November	68	242
December	100	351
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. 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

18. 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.

19. 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.

20. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the

Commission for review and approval by Commission staff that details equipment decontamination procedures.

Section 7. Term

21. 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.

22. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160915

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day), Variable, of up to 2.880 mgd
from Roaring 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.880 million gallons per day (mgd) at a maximum instantaneous rate of 2,000 gallons per minute (gpm). In consideration of the drainage area, flows in Roaring Creek, and the magnitude of the proposed withdrawal, staff informed the project sponsor of staff's intention to recommend a reduction in the withdrawal rates and adjustments to the passby flows to be protective during low flow conditions. The project sponsor subsequently requested monthly peak day withdrawal rates and monthly maximum instantaneous rates of 600 to 2,000 gpm. Considering the revised requested withdrawal rates, Commission staff recommended that the special flow protection requirements be required to reflect current policy. This approval incorporates those modified rates and staff recommendations.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	Franklin Township
County:	Columbia 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:	Roaring Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010709 (Roaring Creek)
Water Use Designation:	Trout Stocked Fishery (TSF)
Withdrawal Location (degrees):	Lat: 40.898558 N Long: 76.487461 W
Site Flow Statistics (cfs):	Q7-10 = 5.6; Average Daily Flow = 89.4
Wild Trout Classification:	Naturally Reproducing Wild Trout
Impairment:	Pathogens
Drainage Area (square miles):	44
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):	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

Approved Withdrawal Quantities and Limitations (continued)				
Method for Monitoring Flow Protection:		Off-site monitoring of USGS Real-Time Gage 01469500; Little Schuylkill River at Tamaqua, 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	2.592	1,800	39	42
February	2.880	2,000	41	45
March	2.880	2,000	74	77
April	2.880	2,000	75	78
May	2.880	2,000	51	55
June	2.016	1,400	30	33
July	1.152	800	17	19
August	0.864	600	13	15
September	0.864	600	12	14
October	0.864	600	13	15
November	1.728	1,200	27	29
December	2.880	2,000	41	45
USGS – U.S. Geological Survey			1 cfs = 448.8 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

18. 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.

19. 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.

20. The project sponsor should adhere to the Conservation Measure provided by PFBC for avoiding adverse impact to a special concern mussel species (Eastern lampmussel [*Lampsilis radiata*]) by avoiding placement of the water withdrawal intake in any stream channel riffles, or in stream habitat less than 3 feet deep at the project location. If avoidance cannot be accomplished, the project sponsor should adhere to the Conservation Measure option for a mussel salvage using a qualified mussel surveyor in order to relocate mussels from the area of direct impact.

21. The project sponsor shall adhere to the recommendation provided by PFBC for avoiding adverse impact to documented occurrences of naturally reproducing wild trout populations by avoiding instream construction from October 1 through December 31, unless otherwise approved by PFBC in writing and submitted to the Commission.

22. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.

Section 7. 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 September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

(717) 238-0423 Phone • (717) 238-2436 Fax

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Docket No. 20160916

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 2.592 mgd
from the Susquehanna River, and
Consumptive Water Use (Peak Day) of up to 0.100 mgd
from the 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 the project described herein in accordance with the conditions set forth below.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Types:	Surface Water Withdrawal and Consumptive Water Use
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline, Horizontal Directional Drilling, and Related Incidental Uses
Municipality:	Eaton 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:	Susquehanna River
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010614 (Lower Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 41.479861 N Long: 75.905958 W
Site Flow Statistics (cfs):	Q7-10 = 702; Average Daily Flow = 13,900
Impairment:	Mercury; Polychlorinated Biphenyl (PCB)
Drainage Area (square miles):	9,443
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):	2.592 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	1,800 (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 01533400; Susquehanna River at Meshoppen, 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	--	--
July	1,210	1,130

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	891	827
September	852	791
October	1,120	1,040
November	--	--
December	--	--
mgd – million gallons per day		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. Approved Consumptive Water Use Quantities and Limitations

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

Approved Consumptive Water Use Quantities and Limitations	
Source for Project Consumptive Water Use:	Susquehanna River
Peak Day Consumptive Water Use Amount (mgd):	0.100 (Not to Exceed)
Project Consumptive Water Uses:	1. Horizontal directional drilling (HDD) 2. Related incidental uses
Consumptive Water Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use of water 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. 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 consumptive water 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, 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 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 water 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 water 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. 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

18. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for horizontal directional drilling and hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

19. 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 project sponsor should adhere to recommendations provided by DCNR and PFBC in the Pennsylvania Natural Diversity Inventory (PNDI) response for avoiding adverse impact to documented occurrences of rare species at or in proximity to the project location. The documented species are the elktoe mussel (*Alasmidonta marginata*) and sand cherry (*Prunus pumila* var. *depressa*).

22. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.

23. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 8. Term

24. 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.

25. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20160917

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 0.360 mgd
from the Susquehanna River, and
Consumptive Water Use (Peak Day) of up to 0.100 mgd
from the 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 the project described herein in accordance with the conditions set forth below.

The project sponsor requested a peak day withdrawal of 2.880 million gallons per day (mgd) at a maximum instantaneous rate of 2,000 gallons per minute (gpm). In consideration of limitations of transporting water solely by trucking, staff informed the project sponsor of staff's intention to recommend a reduction in the daily and instantaneous withdrawal rates. The project sponsor subsequently requested a reduced peak day withdrawal rate of 0.360 mgd at a reduced maximum instantaneous rate of 500 gpm. This approval incorporates those modified rates.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Types:	Surface Water Withdrawal and Consumptive Water Use
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline, Horizontal Directional Drilling, and Related Incidental Uses
Municipality:	Catawissa Borough and Montour Township
County:	Columbia 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:	Susquehanna River
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010710 (Lower Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 40.953544 N Long: 76.466383 W
Site Flow Statistics (cfs):	Q7-10 = 1,090; Average Daily Flow = 15,300
Impairment:	Mercury; Polychlorinated Biphenyl (PCB)
Drainage Area (square miles):	10,950
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):	0.360 (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 01540500; Susquehanna River at Danville, 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	2,740	2,820
February	--	--
March	--	--
April	--	--
May	--	--
June	2,770	2,850
July	1,560	1,610
August	1,230	1,270
September	1,050	1,090
October	1,220	1,260
November	1,750	1,800
December	2,470	2,540
1 cfs = 448.8 gpm * Flow Protection Threshold		
USGS – U.S. Geological Survey -- – No special flow protection required		

Section 5. Approved Consumptive Water Use Quantities and Limitations

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

Approved Consumptive Water Use Quantities and Limitations	
Source for Project Consumptive Water Use:	Susquehanna River
Peak Day Consumptive Water Use Amount (mgd):	0.100 (Not to Exceed)
Project Consumptive Water Uses:	1. Horizontal directional drilling (HDD) 2. Related incidental uses
Consumptive Water Use Mitigation Type:	Payment of consumptive use mitigation fee

The consumptive use of water 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. 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 consumptive water 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, 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 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 water 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 water 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. 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

18. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for horizontal directional drilling and hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

19. 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 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the Commission for review and approval by Commission staff that details equipment decontamination procedures.

22. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 8. 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 September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

(717) 238-0423 Phone • (717) 238-2436 Fax

www.srbc.net

Docket No. 20160918

Approval Date: September 8, 2016

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

**Surface Water Withdrawal (Peak Day) of up to 2.880 mgd
from Swatara 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 the project described herein in accordance with the conditions set forth below.

This project is temporary and therefore the associated withdrawal infrastructure does not include permanent installation. Additionally, this approval has a reduced term of 5 years from the date of approval.

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:	Transcontinental Gas Pipe Line Company, LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrostatic Testing of Gas Pipeline and Related Incidental Uses
Municipality:	East Hanover Township
County:	Lebanon 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:	Swatara Creek
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030509 (Lower Swatara Creek)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 40.369758 N Long: 76.535331 W
Site Flow Statistics (cfs):	Q7-10 = 20.3; Average Daily Flow = 540
Drainage Area (square miles):	310
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):	2.880 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	2,000 (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 01573000; Swatara Creek at Harper Tavern, 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	173	189
February	200	218
March	354	386
April	311	339
May	197	215
June	103	113
July	59	65
August	43	48

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>
September	37	41
October	48	53
November	75	83
December	138	151
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. 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, 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. 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 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.

Section 6. Special Conditions

17. Prior to initiation of the withdrawal, the project sponsor shall post a 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. Additionally, the sign shall state: "Approved for a temporary, short-duration withdrawal for hydrostatic testing of a natural gas pipeline." 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 withdrawal 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 sign installation prior to initiation of the withdrawal.

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20. 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall submit an aquatic nuisance species control plan to the

Commission for review and approval by Commission staff that details equipment decontamination procedures.

21. Prior to initiation of construction of the water withdrawal project, the project sponsor shall submit evidence of finalized legal site access.

Section 7. Term

22. 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.

23. This approval is effective until September 7, 2021. As specified in Commission Regulation 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 7, 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.

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 September 8, 2016.

Dated: September 9, 2016


Stephanie L. Richardson