

Susquehanna River Basin Commission

a water management agency serving the Susquehanna River Watershed



November 19, 2014

TO ALL CONCERNED:

At the September 4, 2014, Commission meeting, the draft minutes of the June 5, 2014, Commission meeting were approved as written. Please attach this notice to your copy of the June 5, 2014, minutes.

- DRAFT -

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

**MINUTES OF THE
SUSQUEHANNA RIVER BASIN COMMISSION
September 4, 2014
#2014-03**

The meeting was held at the Radisson Hotel Corning, Corning, New York. Chairman Lynch called the meeting to order at 8:30 a.m.

ROLL CALL

Commissioners Present

**Alternate Commissioners
and Advisors Present**

Mr. Kenneth P. Lynch, Director, Region 7, New York State Dept. of Environmental Conservation (NYSDEC)

Ms. Kelly Jean Heffner, Deputy Secretary for Water Management, Pennsylvania Dept. of Environmental Protection (PADEP)

Dr. Robert M. Summers, Secretary, Maryland Dept. of the Environment (MDE)

Col. J. Richard Jordan, III, District Engineer, U.S. Army Corps of Engineers (USACE), Balt. Dist.

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

Staff Present

Mr. Andrew D. Dehoff, Executive Director

Mr. Andrew J. Gavin, Deputy Executive Director

Ms. Marcia Rynearson, Director, Administration & Finance

Ms. Stephanie L. Richardson, Secretary to the Commission

Mr. Jason Oyler, Regulatory Counsel

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

1. Opening Remarks from the Chair

Chairman Lynch provided an opening statement outlining the rules of conduct for the meeting and introduced the other commissioners. The Chairman extended a welcome to Corning on behalf of the State of New York. Each of the commissioners then added brief opening remarks relating to water management programs in their jurisdictions and the inspirational setting for this business meeting in Corning.

Executive Director Dehoff noted that the trip to Corning from Harrisburg not only showcases the beauty and majesty of the Susquehanna Basin, but also provides a stark reminder of the basin's many water resources management challenges past and present.

2. Presentation: Overview of the Upper Susquehanna Coalition

The Upper Susquehanna Coalition (USC) is a network of 16 county soil and water conservation districts in New York and 3 county conservation districts in Pennsylvania. Its mission is to protect and improve water quality and natural resources in the Upper Susquehanna River Basin, which is New York's portion of the Chesapeake Bay Drainage Area. USC Chair Jeffrey Parker, who is also the District Manager of the Steuben County Soil & Water Conservation District (SWCD) Office, made a presentation on USC's current programs. A major emphasis of these programs is improving the quality of the water that the Upper Susquehanna contributes to the Bay by reducing nutrient and sediment outflows.

3. Minutes of June 5, 2014, Commission Meeting

On a motion by Commissioner Summers, seconded by Commissioner Heffner, the minutes of the regular business meeting of June 5, 2014, were unanimously approved as written.

4. Proposed Rulemaking

Regulatory Counsel Jason Oyler presented a proposed rulemaking that would amend the Commission's project review regulations to, among other things, clarify which on pad and off pad water uses involved in hydrocarbon development are subject to the existing consumptive water use regulations as administered under the Commission's Approval by Rule (ABR) program. Several other amendments would be included to make appropriate revisions to certain definitions and to conform certain other sections to the clarifying amendments. Counsel requested that the Commission approve the publication of a proposed rulemaking notice in the Federal Register and the state notice publications, and the scheduling of a public hearing on November 6, 2014.

On a motion by Commissioner Heffner, seconded by Commissioner Jordan, the Commission unanimously authorized Counsel to proceed with the proposed rulemaking.

5. Rescission of Unneeded Policies

Regulatory Counsel Jason Oyler presented a resolution (Exhibit A) providing for the rescission of four unneeded policies. He explained that, because of amendments to SRBC project review regulations codifying certain policies, and adoption of one replacement policy on

access to records, these policies are no longer needed or have become obsolete. As a housekeeping measure, he recommended that the Commission rescind these policies.

On a motion by Commissioner Heffner, seconded by Commissioner Summers, the Commission unanimously adopted the resolution.

6. Grant Amendment Ratification – Enhanced Nutrient Monitoring of Chesapeake Bay Non-Tidal Sites and Comprehensive Analysis Non-Tidal Tributary Water Quality Nutrient and Suspended Sediment Trends (U.S. Environmental Protection Agency)

The Director of Administration and Finance Marcia Rynearson requested ratification of this grant amendment, which provides an additional \$34,844 of funding for calendar year 2014, and \$201,325 for calendar year 2015 of this grant effort. Staff will continue to collect and analyze New York, Pennsylvania, and Maryland non-tidal tributary monitoring data in the Susquehanna River Basin to assist in the Chesapeake Bay restoration effort.

On a motion by Commissioner Summers, seconded by Commissioner Jordan, the Commission unanimously adopted the recommendations of the Director of Administration and Finance with respect to ratification of the grant amendment.

7. Regulatory Program Actions

a. Compliance Actions

The Regulatory Counsel presented the following compliance action recommendations for the Commission’s consideration:

1. **Carrizo (Marcellus), LLC, Docket No. 20110603**, Meshoppen Borough, Wyoming County, Pennsylvania. This project sponsor made withdrawals from approved sources without first registering with the Commission. The project sponsor has subsequently worked with SRBC staff to register these sources.

Staff recommended acceptance of an in lieu of penalties payment of \$9,000 in full and final settlement of the matter.

2. **JKT Golf, LLC, Docket No. 20020803**, Exeter Township, Luzerne County, Pennsylvania. This project sponsor was not maintaining proper monitoring logs. Staff has worked with them to now correct this oversight.

Staff recommended acceptance of an in lieu of penalties payment of \$7,000 in full and final settlement of the matter.

3. **Southwestern Energy Production Company, Docket No. 20130911**, Wyalusing Township, Bradford County, Pennsylvania. The project sponsor made withdrawals for five days in March 2014 during a passby flow event on Wyalusing Creek.

Staff recommended acceptance of an in lieu of penalties payment of \$5,000 in full and final settlement of the matter.

In response to a question by Commissioner Lynch, Counsel reported that no evidence of significant environmental impacts has emerged in any of these cases.

b. Docket Actions

As presented by Project Review Manager Todd Eaby, the Commission had before it a staff memorandum containing details and recommendations regarding the following list of project applications:

- | | |
|---|--|
| 1-2, 28. City of Aberdeen, Harford County, Md.
(Exhibit B1) | 16. Newport Borough Water Authority, Oliver and
Howe Townships and Newport Borough, Perry
County, Pa. (Exhibit B9) |
| 3. Anadarko E&P Onshore LLC (Lycoming
Creek), McIntyre Township, Lycoming
County, Pa. (Exhibit B2) | 17-18. Pennsylvania Department of Environmental
Protection – South-central Regional Office,
City of Harrisburg, Dauphin County, Pa.
Facility Location: Leacock Township,
Lancaster County, Pa. |
| 4. Anadarko E&P Onshore LLC (Pine Creek),
McHenry Township, Lycoming County, Pa.
(Exhibit B3) | 19. Somerset Regional Water Resources, LLC
(Salt Lick Creek), New Milford Township,
Susquehanna County, Pa. |
| 5. Cabot Oil & Gas Corporation (Tunkhannock
Creek), Nicholson Township, Wyoming
County, Pa. (Exhibit B4) | 20. Sugar Hollow Trout Park and Hatchery, Eaton
Township, Wyoming County, Pa. |
| 6. Carrizo (Marcellus), LLC (East Branch
Wyalusing Creek), Jessup Township,
Susquehanna County, Pa. (Exhibit B5) | 21-22. Sunbury Generation LP, Shamokin Dam
Borough and Monroe Township, Snyder
County, Pa. (Exhibit B10) |
| 7. Heidelberg Township Municipal Authority,
Heidelberg Township, Lebanon County, Pa. | 23. SWEPI LP (Cowanesque River), Nelson
Township, Tioga County, Pa. |
| 8. IBM Corporation, Village of Owego, Tioga
County, N.Y. | 24. Talisman Energy USA Inc. (Susquehanna
River), Terry Township, Bradford County, Pa.
(Exhibit B11) |
| 9. Inflection Energy (PA) LLC (Loyalsock
Creek), Upper Fairfield Township, Lycoming
County, Pa. (Exhibit B6) | 25. Talisman Energy USA Inc. (Wappasening
Creek), Windham Township, Bradford County,
Pa. (Exhibit B12) |
| 10. Jay Township Water Authority, Jay Township,
Elk County, Pa. | 26. Upper Halfmoon Water Company, Halfmoon
Township, Centre County, Pa. |
| 11. Lancaster County Solid Waste Management
Authority, Susquehanna Resource
Management Complex, City of Harrisburg,
Dauphin County, Pa. (Exhibit B7) | 27. Warwick Township Municipal Authority,
Warwick Township, Lancaster County, Pa. |
| 12. Leola Sewer Authority, Upper Leacock
Township, Lancaster County, Pa. (Exhibit B8) | 29. DS Services of America, Inc., Bethany
Children's Home, Heidelberg Township, Berks
County, Pa. (Exhibit B13) |
| 13. LHP Management, LLC (Muncy Creek),
Muncy Creek Township, Lycoming County,
Pa. | |
| 14-15. Millersville University of Pennsylvania,
Millersville Borough, Lancaster County, Pa. | |

Highlight = Staff recommending tabling.

Staff had reviewed all comments received at the August 7, 2014, public hearing and written comments received through August 18, 2014, and had conducted coordinated reviews with the agencies of the member jurisdictions. Of the 29 projects listed above, 13 were

recommended for tabling, including Nos. 7, 8, 10, 13, 14, 15, 17, 18, 19, 20, 23, 26, and 27. All remaining projects were recommended for approval. Commissioner Summers added that all of the projects had been carefully reviewed by staff and that all the information submitted in the applications had been thoroughly documented, thus satisfying the Commission on the validity of staff's recommendations. In this regard, he thanked staff for their efforts.

Commissioner Summers moved that the Commission adopt the recommendations of staff regarding the settlements in lieu of penalty with Carrizo (Marcellus), LLC, JKT Golf, LLC, and Southwestern Energy Production Company, and for the 29 project applications. This motion was seconded by Commissioner Heffner and unanimously adopted by the Commission.

8. Adjournment

There being no further business before the Commission, on a motion by Commissioner Jordan, seconded by Commissioner Summers, Chairman Lynch adjourned the meeting at 9:26 a.m. The next regular meeting of the Commission is tentatively scheduled for December 5, 2014, in Annapolis, Maryland.

December 5, 2014

Date Adopted

Stephanie L. Richardson

Stephanie L. Richardson

RESOLUTION NO. 2014-11

A RESOLUTION of the Susquehanna River Basin Commission rescinding certain unneeded, inapplicable or obsolete policies.

WHEREAS, the Susquehanna River Basin Commission (the “Commission”), periodically adopts policies covering such matters as guidance on the application of Commission regulations and access to Commission records; and

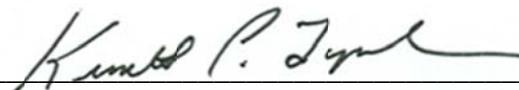
WHEREAS, these policies have been appropriately numbered in accordance with their sequence, and placed in a formal compilation of Commission policies; and

WHEREAS, with the passage of time, the changing of conditions, adoption of new policies and the revision of Commission regulations, some of these policies have become unneeded, inapplicable or obsolete, thereby necessitating their rescission.

NOW THEREFORE BE IT RESOLVED THAT:

1. The following policies are hereby rescinded by the Commission:
 - a. Freedom of Information Policy, January 11, 1979. (Replaced by Policy No. 2009-02)
 - b. Policy No. 92-01—Clarification of Current SRBC Consumptive Use Regulation. (Made obsolete by adoption of new regulations at 18 CFR § 806.22)
 - c. Policy No. 98-01—Policy Regarding Diversions of Water from the Susquehanna River Basin. (Rendered unnecessary by revised 18 CFR § 806.24)
 - i. NOTE: The March 12, 1998, Susquehanna River Basin Commission Out-of-Basin Diversion Policy Protocol that accompanied Policy No. 98-01 is not rescinded and remains viable guidance.
 - d. Policy No. 2011-01—Pad-to-Pad Interbasin Transfers of Flowback for Natural Gas Well Development. (Rendered inapplicable by revised 18 CFR § 806.22)
2. This Resolution shall be effective immediately.

Dated: September 4, 2014



Kenneth P. Lynch, Chair
New York



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. 20021210-4

Approval Date: December 12, 2002

Modification Date: June 12, 2003

Modification Date: August 14, 2003

Modification Date: September 8, 2004

Modification Date: September 4, 2014

THE CITY OF ABERDEEN

**Withdrawal of up to 3.000 mgd from Deer Creek, When Available,
and Consumptive Water Use through an Out-of-Basin Diversion
of up to 3.000 mgd, for Water Supply to Aberdeen Proving Ground;
Harford County, Maryland**

Susquehanna River Basin Commission (Commission) Docket No. 20021210, approved on December 12, 2002, authorized a surface water withdrawal from Deer Creek, an out-of-basin diversion, and consumptive water use through diversion. The approval term was established to be concurrent with the Maryland Department of the Environment's (MDE's) State Water Appropriation and Use Permit No. HA1978S028.

The City of Aberdeen is working with the MDE to develop additional potable water sources located outside the Susquehanna River Basin, which will eliminate the need for the use of Deer Creek as a source. Effective March 1, 2014, MDE revised State Water Appropriation and Use Permit No. HA1978S028, which includes an extension of the approval term and use of Deer Creek through March 1, 2019. The City of Aberdeen subsequently requested an extension of the approval term of Commission Docket No. 20021210 to the same date.

The Commission hereby approves the requested extension to the term of Commission Docket No. 20021210 and the modifications thereto. All other conditions of Commission Docket Nos. 20021210-1, 20021210-2, and 20021210-3 not inconsistent herewith shall remain effective.

This approval is effective until March 1, 2019. Should the City of Aberdeen and MDE determine that the need for the use of Deer Creek as a source will continue beyond March 1, 2019, pursuant to Commission Regulation 18 CFR §803.30(a), the City of Aberdeen shall submit a renewal application by September 1, 2018, and obtain Commission approval prior to continuing operation beyond March 1, 2019.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140901

Approval Date: September 4, 2014

ANADARKO E&P ONSHORE LLC

**Surface Water Withdrawal (Peak Day) of up to 0.499 mgd
from Lycoming 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

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

Section 2. Project Information

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

Project Information	
Project Sponsor:	Anadarko E&P Onshore LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	McIntyre Township
County:	Lycoming County
State:	Pennsylvania

Section 3. Source Information

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

Source Information	
Approved Source:	Lycoming Creek
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020602 (Lycoming Creek)
Water Use Designation:	Exceptional Value (EV)
Withdrawal Location (degrees):	Lat: 41.485019 N Long: 76.969827 W
Site Flow Statistics (cfs):	Q7-10 = 4.4; Average Daily Flow = 170
Wild Trout Classification:	Naturally Reproducing Wild Trout
Drainage Area (square miles):	101
Aquatic Resource Class*:	Class 3
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
*Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals).	

Section 4. Approved Withdrawal Quantities and Limitations

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

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.499 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	347 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01550000; Lycoming Creek near Trout Run, 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	13	23
February	15	26
March	30	53
April	61	105
May	30	53
June	12	21
July	17	30
August	15	27
September	15	27
October	15	27
November	35	61
December	13	23
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 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 digital 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 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 the approved permit for the modified intake structure. Thereafter, any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. Prior to the 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. 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 digital photographs as proof of sign installation prior to the initiation of the withdrawal.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

19. This approval is effective until September 3, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2018, 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.

Section 6. Special Conditions

20. 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 exceeds such flow protection threshold. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

21. Per Commission coordination with jurisdictional agency(ies), the project sponsor shall adhere to recommendations for avoiding adverse impact to the stream's naturally reproducing wild trout population by avoiding instream construction from October 1 through December 31.

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

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

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

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

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140902

Approval Date: September 4, 2014

ANADARKO E&P ONSHORE LLC

**Surface Water Withdrawal (Peak Day) of up to 0.499 mgd
from Pine Creek**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. 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. 20100902 that was originally approved September 16, 2010. The project sponsor has not requested any changes to the project. Commission Docket No. 20100902 did not include special flow protection requirements. Upon review of the renewal application, Commission staff recommends that special flow protection requirements be required 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:	Anadarko E&P Onshore LLC
Approval Type:	Surface Water Withdrawal
Original Docket No.:	20100902
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	McHenry Township
County:	Lycoming County
State:	Pennsylvania

Section 3. Source Information

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

Source Information	
Approved Source:	Pine Creek
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020506 (Lower Pine Creek)
Water Use Designation:	Exceptional Value (EV)
Withdrawal Location (degrees):	Lat: 41.396753 N Long: 77.457723 W
Site Flow Statistics (cfs):	Q7-10 = 28.5; Average Daily Flow = 1,008
Drainage Area (square miles):	712
Aquatic Resource Class*:	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):	0.499 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	347 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01548500; Pine Creek at Cedar Run, 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	58	50
February	114	98
March	177	151
April	394	335
May	212	181
June	75	65
July	41	36
August	53	46

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	51	44
October	63	54
November	41	36
December	55	48
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 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 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 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. 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 digital photographs as proof of installation of the updated sign.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

Section 6. Special Conditions

19. This approval shall be effective October 1, 2014, and shall remain effective until September 30, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 31, 2018, 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.

20. Commission Docket No. 20100902 shall remain effective through September 30, 2014, whereupon it shall expire.

21. Effective October 1, 2014, 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 exceeds such flow protection threshold. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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

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

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

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

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

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140903

Approval Date: September 4, 2014

CABOT OIL & GAS CORPORATION

**Surface Water Withdrawal (Peak Day) of up to 2.000 mgd
from Tunkhannock 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

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
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Nicholson 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:	Tunkhannock Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010612 (Tunkhannock Creek)
Water Use Designation:	Trout Stocked Fishery (TSF)
Withdrawal Location (degrees):	Lat: 41.616261 N Long: 75.795447 W
Site Flow Statistics (cfs):	Q7-10 = 12; Average Daily Flow = 376
Drainage Area (square miles):	258
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):	2.000 (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 Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01534000; Tunkhannock Creek near Tunkhannock, Pennsylvania	
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	88	133
February	101	153
March	215	323
April	242	363
May	129	195
June	54	83
July	30	48
August	22	36
September	22	36
October	29	46
November	55	85
December	101	153
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 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 digital 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 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 the approved permit for the modified intake structure. Thereafter, any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. Prior to the 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. 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 digital photographs as proof of sign installation prior to the initiation of the withdrawal.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

19. This approval is effective until September 3, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2018, 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.

Section 6. Special Conditions

20. 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 exceeds such flow protection threshold. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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 authorization 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.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140904

Approval Date: September 4, 2014

CARRIZO (MARCELLUS), LLC

**Surface Water Withdrawal (Peak Day) of up to 0.720 mgd
from East Branch Wyalusing 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. 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. 20100601 that was originally approved June 11, 2010, with a peak day withdrawal rate of 0.720 million gallons per day (mgd) and 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:	Carrizo (Marcellus), LLC
Approval Type:	Surface Water Withdrawal
Original Docket No.:	20100601
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Jessup 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:	East Branch Wyalusing Creek
Subbasin:	Middle Susquehanna
Watershed Boundary Dataset (WBD):	0205010606 (East Branch Wyalusing Creek)
Water Use Designation:	Cold Water Fishery (CWF)
Withdrawal Location (degrees):	Lat: 41.817711 N Long: 75.948027 W
Site Flow Statistics (cfs):	Q7-10 = 0.6; Average Daily Flow = 20
Drainage Area (square miles):	17.3
Aquatic Resource Class*:	2
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
*Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals)	

Section 4. Approved Withdrawal Quantities and Limitations

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

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.720 (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 Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01534000; Tunkhannock Creek near Tunkhannock, Pennsylvania	
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
January	6.0	202
February	7.1	232
March	15	467
April	17	503
May	8.8	279
June	4.5	159
July	4.5	159

Approved Withdrawal Quantities and Limitations (continued)		
Passby Schedule:		
<i>Month</i>	<i>On-Site Flow Protection Rate (cfs)</i>	<i>Off-Site Monitoring Threshold for Flow Protection (cfs)*</i>
August	4.5	159
September	4.5	159
October	4.5	159
November	4.7	165
December	7.3	237
USGS– U.S. Geological Survey 1 cfs = 448.8 gallons per minute (gpm)		* Flow Protection Threshold

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

Section 5. Standard Conditions

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

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and 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 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 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to

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

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. 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 digital photographs as proof of installation of the updated sign.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

Section 6. Special Conditions

19. This approval shall be effective October 1, 2014, and shall remain effective until September 30, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 31, 2018, 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.

20. Commission Docket No. 20100601 shall remain effective through September 30, 2014, whereupon it shall expire.

21. Effective October 1, 2014, 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. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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

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

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

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

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140905**Approval Date: September 4, 2014**

INFLECTION ENERGY (PA) LLC

**Surface Water Withdrawal (Peak Day) of up to 1.700 mgd
from Loyalsock 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

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:	Inflection Energy (PA) LLC
Approval Type:	Surface Water Withdrawal
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Upper Fairfield Township
County:	Lycoming County
State:	Pennsylvania

Section 3. Source Information

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

Source Information	
Approved Source:	Loyalsock Creek
Subbasin:	West Branch Susquehanna
Watershed Boundary Dataset (WBD):	0205020605 (Lower Loyalsock Creek)
Water Use Designation:	Exceptional Value (EV)
Withdrawal Location (degrees):	Lat: 41.309403 N Long: 76.917691 W
Site Flow Statistics (cfs):	Q7-10 = 23; Average Daily Flow = 788
Drainage Area (square miles):	442
Aquatic Resource Class*:	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):	1.700 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	1,181 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01552000; Loyalsock Creek at Loyalsockville, 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	41	43
February	91	93
March	142	143
April	270	269
May	159	159
June	68	70
July	63	65
August	50	53
September	50	53
October	58	60
November	182	182
December	48	50
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 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 digital 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 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 the approved permit for the modified intake structure. Thereafter, any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. Prior to the 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. 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 digital photographs as proof of sign installation prior to the initiation of the withdrawal.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

19. This approval is effective until September 3, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2018, 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.

Section 6. Special Conditions

20. 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 exceeds such flow protection threshold. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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 authorization 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.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140906

Approval Date: September 4, 2014

LANCASTER COUNTY SOLID WASTE MANAGEMENT AUTHORITY

**Consumptive Water Use (Peak Day) of up to 0.700 mgd
from Stormwater, Treated Effluent, and Public Water Supply
at the Susquehanna Resource Management Complex**

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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

On February 11, 1988, the Commission approved the City of Harrisburg for the consumptive use of 0.267 million gallons per day (mgd) under Commission Docket No. 19880201. On December 12, 2002, the Commission approved a modification, Commission Docket No. 19880201-1, increasing the consumptive use to 0.700 mgd (peak day). The modified docket was issued to The Harrisburg Authority for water use at the Harrisburg Materials, Energy, Recycling and Recovery Facility (Facility), which consisted of a refuse incinerator and a steam and electric generation facility.

On February 7, 2014, Lancaster County Solid Waste Management Authority (LCSWMA) notified the Commission via written correspondence that it had purchased the Facility (now referred to as the Susquehanna Resource Management Complex [SRMC]) on December 23, 2013. On March 18, 2014, the Commission approved and processed the conditional transfer of Commission Docket Nos. 19880201 and 19880201-1, pursuant to Commission Regulation 18 CFR §806.6(d). LCSWMA was authorized to continue operations under the terms and conditions of the conditionally transferred approval provided that a new consumptive water use application was submitted to the Commission within ninety (90) days from the date of the change of ownership. The required consumptive use application was received by the Commission on March 18, 2014.

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:	Lancaster County Solid Waste Management Authority
Approval Type:	Consumptive Water Use
Original Docket No.:	19880201
Authorized Water Use Purpose:	Electric Power Generation, Steam Generation, and Related Process Uses
Municipality:	City of Harrisburg
County:	Dauphin 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. Treated effluent from Harrisburg’s advanced wastewater treatment facility (AWTF) 2. Public water supply 3. Stormwater collected at air pollution control pad
Peak Day Consumptive Water Use Amount (mgd):	0.700 (Not to Exceed)
Project Consumptive Water Uses:	<ol style="list-style-type: none"> 1. Evaporation from a cooling tower 2. System and boiler steam losses 3. Evaporative loss and moisture content from ash 4. Other incidental use related to the process of electric power generation, steam generation, and waste resource recovery
Consumptive Water Use Mitigation Type:	Conservation release from the Dehart Reservoir and/or payment of consumptive use mitigation fees as provided in Special Condition 20

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

Section 4. Standard Conditions

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

2. Within sixty (60) days from the date of this approval, the project sponsor shall submit a metering plan to the Commission for review and approval by Commission staff that accounts for all consumptive use. Following approval, the project sponsor shall execute the plan and complete any installation of meters or other means of measuring consumptive use in accordance with the approved schedule. Any modifications proposed for the metering 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. The project sponsor shall notify the Commission, in writing, when the meters are installed and certify the accuracy of the measuring devices to within five (5) percent of actual flow. The project sponsor shall notify the Commission when the metering plan has been implemented.

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

4. The project sponsor shall maintain the totalizing meters and other measuring devices, accurate to within five (5) percent, so as to provide an accurate record of 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

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

7. 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 §808.

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

Commission reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

9. The Commission reserves the right to reopen any project docket 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.

10. 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.

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

12. 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 unless a renewal is requested by the project sponsor and approved by the Commission.

13. Should the project's anticipated consumptive use be expected to exceed the amount listed herein, the project sponsor is required to make application for modification to this approval.

Section 5. Special Conditions

14. This approval shall be effective October 1, 2014, and shall remain effective until September 30, 2029. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 31, 2029, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

15. Commission Docket Nos. 19880201 and 19880201-1 shall remain effective through September 30, 2014, whereupon they shall expire.

16. Until the metering plan required by Standard Condition 2 is approved and implemented in accordance with the schedule provided in the metering plan, the project sponsor shall maintain metering in accordance with Commission Regulation 18 CFR §806.30 and consistent with the methodology previously approved for the conditionally transferred Commission Docket Nos. 19880201 and 19880201-1.

17. The next meter accuracy certification is due within sixty (60) days from the date of the metering plan approval, and every five (5) years thereafter.

18. The project sponsor shall keep daily records of the project's consumptive water use and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. The daily quantity of water consumptively used shall be calculated in accordance with the approved metering plan as required by Standard Condition 2. Until the metering plan is approved and implemented in accordance with the schedule provided in the metering plan, consumptive water use shall be calculated and reported in accordance and consistent with the methodology previously approved for the conditionally transferred Commission Docket Nos. 19880201 and 19880201-1. 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, if appropriate, approved by Commission staff.

19. The project sponsor shall make reasonable efforts to obtain records from the public water supply system and provide an annual report to the Commission summarizing the quantity withdrawn and dates of use of the Susquehanna River intake by the public water supplier and the daily conservation releases from the Dehart Reservoir. The annual report shall be due ninety (90) days after the close of the calendar year. This reporting requirement will be evaluated and may be changed following Commonwealth of Pennsylvania review and reissuance of the water allocation permit to the water supplier for the operation of the withdrawals from the Susquehanna River and the Dehart Dam, or any other time deemed appropriate by the Commission.

20. The project's consumptive water use from the public water supply system is subject to mitigation requirements, as per Commission Regulation 18 CFR §806.22(b). Mitigation requirements for consumptive use of water at the SRMC are outlined below:

- a. The Commission's consumptive use compensation requirements are satisfied by the conservation release from the Dehart Reservoir, except as provided in Special Conditions 20(b) and 20(d).
- b. If the public water supply system supplying water to the Facility utilizes its Susquehanna River intake during low flow periods (as defined by the Commission) or during any period when the Commission is making a release from storage, or if the conservation release from the Dehart Reservoir is not maintained by the public water supplier, the project sponsor's method of consumptive use compensation described in Special Condition 20(a) shall not be acceptable during that calendar year and the project sponsor shall make payment for consumptive use mitigation fees for all water used by the project during that calendar year. The payment shall be calculated by applying the rate from the effective Regulatory Program Fee Schedule to the amount of water consumptively used from the public water supply system during the entire calendar year in which the foregoing were to occur. The Commission will review the annual report required by Special Condition 19, or other available reporting, and process an invoice for the consumptive use mitigation fees, if appropriate. 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.

- c. Consumptive use compensation as provided by Special Condition 20(a) shall not be acceptable for stormwater and/or water that is sourced from the AWTF and consumptively used at the Facility, and the project sponsor shall make payment for consumptive use mitigation fees for water use from these sources. To satisfy the Commission's current mitigation fee 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 to the total applicable amount of water consumptively used by the project from these sources 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.

- d. The Commission expects that the water allocation permit issued by the Commonwealth of Pennsylvania for operation of the Dehart Reservoir will be renewed or modified during the term of this approval. The adequacy of the mitigation method will be reevaluated during the Commission coordination and review of the water allocation permit for the reservoir, and any other time deemed appropriate by the Commission. The Commission may reopen this approval to revise the consumptive use mitigation compensation or require that the project sponsor provide a revised mitigation plan (and methods) if Commission staff finds that the conservation release provided in the water allocation permit does not adequately mitigate the project's water use. The Commission shall notify the project sponsor if a revised mitigation plan is needed.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



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Docket No. 20140907

Approval Date: September 4, 2014

LEOLA SEWER AUTHORITY

**Groundwater Withdrawal (30-Day Average) of 0.075 mgd from Well 13,
and a Total System Withdrawal Limit (30-Day Average) of 0.760 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

The Leola Sewer Authority's public water supply system includes six wells (Wells 6, 9, 12, 13, 14, and 16), which are herein referred to as the "Total System." Based on information provided by the Leola Sewer Authority, they also maintain an interconnection with the City of Lancaster's water system and no other sources are used by the project. The interconnection with the City of Lancaster's public water system is not included in the Total System.

On June 10, 1982, the Commission approved the groundwater withdrawal (consecutive 30-day average) of 0.216 million gallons per day (mgd) from Well 13 under Commission Docket No. 19820601, which expired on June 10, 2012. On October 3, 2013, the project sponsor submitted an application to the Commission requesting approval for the withdrawal (consecutive 30-day average) of 0.075 mgd from Well 13. This approval authorizes the use of Well 13 at the requested 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:	Leola Sewer Authority
Approval Type:	Groundwater Withdrawal
Original Docket No.:	19820601
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Upper Leacock 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 Source:	Well 13
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030611 (Conestoga River)
Withdrawal Location (degrees)*:	Lat: -- Long: --
* 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. In support of the request for a waiver, the project sponsor provided the required groundwater availability estimates and historic operational withdrawal data for Well 13. The withdrawal from Well 13 was never operated at the previously approved rate of 0.216 mgd (30-day average). However, the requested withdrawal rate of 0.075 mgd (30-day average) is within the historic peak consecutive 30-day average withdrawal rate from Well 13.

Commission staff finds that the withdrawal from Well 13 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 and recommends that the aquifer testing requirements be waived. Therefore, the aquifer testing requirements for Well 13, pursuant to Commission Regulation 18 CFR §806.12, 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 – Well 13	
30-Day Average Withdrawal (mgd):	0.075
Maximum Instantaneous Withdrawal Rate (gpm):	75 (Not to Exceed)
Total System Withdrawal Limit – Wells 6, 9, 12, 13, 14, and 16 (30-Day Average) (mgd):	0.760
gpm – gallons per minute	

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 Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Well 14	0.020	19890702	July 13, 2019
Well 16	0.360		
Interconnection with the City of Lancaster (PADEP WA-36-1009)	0.220	Not Applicable	Not Applicable

Section 7. Grandfathering Determination – Withdrawals

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

Grandfathered Groundwater Withdrawals	
Source	30-Day Average Withdrawal (mgd)*
Well 6	0.251
Well 9	0.230
Well 12	0.195
* Values represent maximum documented 30-day average amounts that occurred prior to applicable regulatory effective date.	

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

Section 8. Standard Conditions

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

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering 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.

3. The project sponsor shall maintain metering on the sources listed in Sections 3, 6, and 7 in accordance with Commission Regulation 18 CFR §806.30. Within sixty (60) days from the date of this approval, the project sponsor shall document the existing meters or the installation of meters on the sources listed in Sections 3, 6, and 7 to the Commission, in writing, and submit digital photographs of the meters installed and certify the accuracy of the measuring devices to within five (5) percent of the actual flow.

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

5. Within ninety (90) days from the date of this approval, the project sponsor shall submit a plan to Commission staff for review and approval for the implementation of a groundwater elevation monitoring program in accordance with Commission Regulation 18 CFR §806.30(a)(4). The plan shall include proposed methods for the daily measurement and recording of groundwater elevations in the sources listed in Sections 3, 6, and 7. Following approval, the project sponsor shall execute the plan and complete installation of water level monitoring equipment in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, and submit digital photographs of the water level monitoring equipment when it has been installed and certify the accuracy of the measuring devices. The project sponsor shall notify the Commission when the monitoring plan has been fully implemented. Thereafter, the groundwater elevation data shall be reported to the Commission quarterly, and as otherwise required. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter.

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

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. Should the project's withdrawals from grandfathered sources be expected to exceed the amounts listed herein, the project sponsor is required to make application.

9. Should the project's anticipated total system demand be expected to exceed the approved total system withdrawal limit herein, the project sponsor is required to make application for modification to this approval.

10. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR §806.25(a).

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

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

13. 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 §808.

14. 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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

15. The Commission reserves the right to reopen any project docket 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.

16. 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.

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

18. 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 unless a renewal is requested by the project sponsor and approved by the Commission.

19. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

20. 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.

21. This approval is effective immediately and shall remain effective until September 3, 2029. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2029, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

Section 9. Special Conditions

22. Meter accuracy certification is due within sixty (60) days from the date of this approval, and every five (5) years thereafter.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140908

Approval Date: September 4, 2014

NEWPORT BOROUGH WATER AUTHORITY

**Groundwater Withdrawal (30-Day Average) of 0.065 mgd from Well 1,
and a Total System Withdrawal Limit (30-Day Average) of 0.350 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

On January 11, 1979, the Commission approved the groundwater withdrawal of 0.432 million gallons per day (mgd) from Well 1 under Commission Docket No. 19790104, which expired on January 11, 2009. On August 5, 2009, the Newport Borough Water Authority requested approval for the withdrawal of 0.180 mgd (consecutive 30-day average) from Well 1, reduced its request to 0.162 mgd (consecutive 30-day average) on October 2, 2013, and further reduced its request to 0.065 mgd (consecutive 30-day average) on June 26, 2014. This approval authorizes use of Well 1 at the requested decreased rate and establishes a system limit on all sources. The Newport Borough Water Authority's public water supply system includes four wells (Wells 1, 10, and 14, and the Campbell Well) and one surface water source (Juniata River Intake), which are herein referred to as the "Total System." Based on information provided by the Newport Borough Water Authority, there are no other sources used by the project.

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:	Newport Borough Water Authority
Approval Type:	Groundwater Withdrawal
Original Docket No.:	19790104
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Oliver 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 1
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030412 (Lower Juniata River)
Withdrawal Location (degrees)*:	Lat: -- Long: --
* 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. In support of the request for a waiver, the project sponsor provided the required groundwater availability estimates and historic operational withdrawal data for Well 1. The withdrawal from Well 1 was never operated at the previously approved rate of 0.432 mgd (consecutive 30-day average). However, the requested renewal withdrawal rate of 0.065 mgd (consecutive 30-day average) is within the historic peak consecutive 30-day average withdrawal rate from Well 1.

Commission staff finds that the withdrawal from 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 and recommends that the aquifer testing requirements be waived. Therefore, the aquifer testing requirements for Well 1, pursuant to Commission Regulation 18 CFR §806.12, 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 – Well 1	
30-Day Average Withdrawal (mgd):	0.065
Maximum Instantaneous Withdrawal Rate (gpm):	250 (Not to Exceed)
Total System Withdrawal Limit – Wells 1, 10, and 14; Campbell Well; and the Juniata River (30-Day Average) (mgd):	0.350
gpm – gallons per minute	

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)	Commission Docket No.	Docket Expiration Date
Well 14	0.140	19920506	May 14, 2022
Well 10	0.086	19920706	July 9, 2022
Campbell Well	0.109	20051203	December 14, 2030

Existing Approved Surface Water Withdrawals			
Source	Peak Day Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Juniata River	0.615	20090918	October 9, 2034

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 maintain the totalizing meter and other 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.

3. Within ninety (90) days from the date of this approval, the project sponsor shall submit a plan to Commission staff for review and approval for the implementation of a groundwater elevation monitoring program in accordance with Commission Regulation 18 CFR §806.30(a)(4). The plan shall include proposed methods for the daily measurement and recording of groundwater elevations in the sources listed in Sections 3 and 6. Following approval, the project sponsor shall execute the plan and complete installation of water level

monitoring equipment in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, and submit digital photographs of the water level monitoring equipment when it has been installed and certify the accuracy of the measuring devices. The project sponsor shall notify the Commission when the monitoring plan has been fully implemented. Thereafter, the groundwater elevation data shall be reported to the Commission quarterly, and as otherwise required. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter.

4. 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.

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 requested by the project sponsor shall be submitted for review and, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

6. Should the project's withdrawals from grandfathered sources be expected to exceed the amounts listed herein, the project sponsor is required to make application.

7. Should the project's anticipated total system demand be expected to exceed the approved total system withdrawal limit herein, the project sponsor is required to make application for modification to this approval.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

13. The Commission reserves the right to reopen any project docket 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 unless a renewal is requested by the project sponsor and approved by the Commission.

17. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

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.

19. This approval is effective immediately and shall remain effective until September 3, 2029. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2029, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

Section 8. Special Conditions

20. Within sixty (60) days from the date of this approval, the project sponsor shall submit a metering plan to the Commission for review and approval by Commission staff that accounts for all withdrawals listed in Sections 3 and 6 in accordance with Commission Regulation 18 CFR §806.30. The metering plan shall document the existing meters, or propose the installation of new meters, on the sources listed in Sections 3 and 6. Following approval of the metering plan, the project sponsor shall submit digital photographs of the existing or installed meters and certify the accuracy of the measuring devices to within five (5) percent of the actual

flow. Any modifications proposed for the metering 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.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20081222-2

Approval Date: December 4, 2008

Modification Date: September 4, 2014

SUNBURY GENERATION LP – SUNBURY GENERATION FACILITY

**Surface Water Withdrawal (Peak Day) of up to 10.000 mgd
from the Susquehanna River, and
Consumptive Water Use (Peak Day) of up to 6.500 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves modification of the project described herein in accordance with the conditions set forth below.

This approval is a modification of Commission Docket No. 20081222 that was originally approved December 4, 2008. As a result of a fuel conversion from coal to natural gas and the requirement by the Pennsylvania Department of Environmental Protection (PADEP) for the addition of closed-cycle cooling at their power generation facility, Sunbury Generation LP has requested to reduce the previously approved withdrawal from 354.000 million gallons per day (mgd) to 10.000 mgd from the Susquehanna River, and to reduce the previously approved consumptive water use from 8.000 mgd to 6.500 mgd. Sunbury Generation LP indicated that the facility will not operate, generating electricity, until conversion to natural gas and installation of the closed-cycle cooling system is complete. Commission staff recommends that Sunbury Generation LP's request for modification be approved.

Commission staff has coordinated with 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:	Sunbury Generation LP
Approval Types:	Surface Water Withdrawal and Consumptive Water Use
Authorized Water Use Purpose:	Electric Power Generation, Fuel Conversion, and Related Incidental Uses
Municipality:	Shamokin Dam Borough and Monroe Township
County:	Snyder 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:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030110 (Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 40.836865 N Long: 76.823873 W
Site Flow Statistics (cfs):	Q7-10 = 2,010; Average Daily Flow = 27,600
Drainage Area (square miles):	18,400
Aquatic Resource Class*:	6
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 and Consumptive Water Use Quantities and Limitations

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

Approved Withdrawal and Consumptive Water Use Quantities and Limitations	
Peak Day Withdrawal Amount (mgd):	10.000 (Not to Exceed)
Peak Day Consumptive Water Use Amount (mgd):	6.500 (Not to Exceed)
Maximum Instantaneous Withdrawal Rate (gpm):	8,680 (Not to Exceed)
gpm – gallons per minute	

The withdrawal and consumptive water use are also subject to all other conditions set forth in this docket approval.

Section 5. Grandfathering Determination – Consumptive Water Use

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

Grandfathered Consumptive Water Use		
Consumptive Water Use	Source	Peak Day Consumptive Water Use (mgd)
Electric Power Generation	Susquehanna River	4.901

The grandfathered quantity identified in the table above is based on information calculations submitted by the project sponsor. The grandfathered quantity is subject to change if information becomes available that demonstrates consumptive use occurred at rates that are inconsistent with the information submitted or the calculations provided 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 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 the totalizing meter(s) and other 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.

4. 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 approval by Commission staff in accordance with Commission Regulations 18 CFR §806.21 and §806.23 prior to undertaking such modification(s).

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

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

6. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

7. The project sponsor shall keep daily records of the project's consumptive water 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, if appropriate, approved by Commission staff.

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

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 §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 and consumptive use of water. The Commission reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

13. The Commission reserves the right to reopen any project docket 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 unless a renewal is requested by the project sponsor and approved by the Commission.

17. Should the project's anticipated withdrawals or consumptive uses be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

Section 7. Special Conditions

18. This modified approval shall be effective October 1, 2014, and shall remain effective until December 4, 2023, the term of the prior docket approval. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before June 4, 2023, 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.

19. Within sixty (60) days from the date of this approval, the project sponsor shall submit an interim metering and accounting plan to the Commission for review and approval by Commission staff that accounts for all withdrawals and consumptive use to include incidental construction and fuel conversion-related activities that may consumptively use water.

20. The next meter accuracy certification is due within sixty (60) days of the approval of the metering and accounting plan as required by Special Condition 19, and every five (5) years thereafter.

21. Within sixty (60) days of receipt of the PADEP approval of both the Final Design for the closed-cycle cooling system and corresponding amended National Pollutant Discharge Elimination System (NPDES) permit authorizing discharge of cooling water, the project sponsor shall submit a copy of the NPDES permit and a revised metering and accounting plan to the Commission for review and approval by Commission staff that accounts for all withdrawals and consumptive use. The revised consumptive use accounting must consider the final approved heat rejection limits (allowable discharge temperature limits) and any induced in-river evaporation water loss due to thermal discharge to the Susquehanna River.

22. Prior to the initiation of withdrawal and consumptive use at the modified rates set forth in Section 4, and for the interim period during fuel conversion prior to operation of the closed-cycle cooling system, 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 digital photographs of the meter(s) when installed, provide the serial number of the meter(s), and certify the accuracy of the measuring device(s) to within five (5) percent of actual flow. Withdrawals and consumptive use at the modified rates shall not commence until Commission staff has approved the implementation of the approved metering and accounting plan and notified the project sponsor of such approval.

23. Prior to initiation of the operation of a closed-cycle cooling system, the project sponsor shall install and maintain metering on the withdrawal and consumptive use in accordance with Commission Regulation 18 CFR §806.30. The project sponsor shall notify the Commission, in writing, and submit digital photographs of the meter(s) when installed, provide the serial number of the meter(s), and certify the accuracy of the measuring device(s) to within five (5) percent of actual flow. Withdrawals and consumptive use during operation of the closed-cycle cooling system shall not commence until Commission staff has approved the implementation of the approved revised metering and accounting plan required by Special Condition 21 and notified the project sponsor of such approval.

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

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

26. All other conditions in Commission Docket No. 20081222 not inconsistent herewith shall remain effective.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140909

Approval Date: September 4, 2014

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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. 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. 20100613 that was originally approved June 11, 2010, with a peak day withdrawal rate of 2.000 million gallons per day (mgd) and no special flow protection requirements. The project sponsor has not requested any changes to the project. In consideration of the reasonably foreseeable need for water as demonstrated by historic usage of the source, development plans presented by the project sponsor, and the limitation of the maximum potential for truck hauling at the site, Commission staff recommended that the approved peak day withdrawal rate be reduced to 1.500 mgd. Commission staff also 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
Original Docket No.:	20100613
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Terry 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):	0205010614 (Lower Susquehanna River)
Water Use Designation:	Warm Water Fishery (WWF)
Withdrawal Location (degrees):	Lat: 41.656216 N Long: 76.264669 W
Site Flow Statistics (cfs):	Q7-10 = 644; Average Daily Flow = 11,820
Impairment:	Polychlorinated Biphenyl (PCB) and Mercury
Drainage Area (square miles):	8,482
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 Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01531500; Susquehanna River at Towanda, Pennsylvania

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

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. 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 digital photographs as proof of installation of the updated sign.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

Section 6. Special Conditions

19. This approval shall be effective October 1, 2014, and shall remain effective until September 30, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 31, 2018, 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.

20. Commission Docket No. 20100613 shall remain effective through September 30, 2014, whereupon it shall expire.

21. Effective October 1, 2014, 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 exceeds such flow protection threshold. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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

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

24. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

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

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20140910**Approval Date: September 4, 2014**

TALISMAN ENERGY USA INC.

**Surface Water Withdrawal (Peak Day) of up to 0.999 mgd
from Wappasening 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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

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
Authorized Water Use Purpose:	Hydrocarbon Development and Related Incidental Uses
Municipality:	Windham 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:	Wappasening Creek
Subbasin:	Upper Susquehanna
Watershed Boundary Dataset (WBD):	0205010307 (Wappasening Creek – Susquehanna River)
Water Use Designation:	Cold Water Fishery (CWF)
Withdrawal Location (degrees):	Lat: 41.947194 N Long: 76.262764 W
Site Flow Statistics (cfs):	Q7-10 = 0.4; Average Daily Flow = 43
Drainage Area (square miles):	32
Aquatic Resource Class*:	2
Special Flow Protection Required:	Yes
cfs – cubic feet per second	
*Refer to Commission Policy No. 2012-01 (Low Flow Protection Policy Related to Withdrawal Approvals).	

Section 4. Approved Withdrawal Quantities and Limitations

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

Approved Withdrawal Quantities and Limitations		
Peak Day Withdrawal Amount (mgd):	0.999 (Not to Exceed, When Available)	
Maximum Instantaneous Withdrawal Rate (gpm):	694 (Not to Exceed)	
Flow Protection Type:	Seasonal passby expressed as monthly values	
Method for Implementing Flow Protection:	Off-site monitoring of USGS Real-Time Gage 01532000; Towanda Creek near Monroeton, 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	12	94
February	12	94
March	29	209
April	33	232
May	18	131
June	6.2	53
July	6.2	53
August	6.2	53
September	6.2	53
October	6.2	53
November	9.1	73
December	14	104
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 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 digital 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 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 the approved permit for the modified intake structure. Thereafter, any modifications proposed by the project sponsor for the permitted intake structure shall be submitted for review and 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 or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

7. The project sponsor shall 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

8. Prior to the 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. 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 digital photographs as proof of sign installation prior to the initiation of the withdrawal.

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

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 §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 reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

14. The Commission reserves the right to reopen any project docket 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 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 unless a renewal is requested by the project sponsor and approved by the Commission.

18. Should the project's anticipated withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

19. This approval is effective until September 3, 2018. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2018, 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.

Section 6. Special Conditions

20. 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. The project sponsor shall keep daily records of the U.S. Geological Survey stream gage 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 acceptable, approval.

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 authorization 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.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson



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Docket No. 20140911

Approval Date: September 4, 2014

DS SERVICES OF AMERICA, INC.

**Into-Basin Diversion (Peak Day) of up to 0.200 mgd
from Wells PWA and PWB in the Delaware River Basin**

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 adverse impacts are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

The project involves the diversion of water from Wells PWA and PWB located on property owned by the Bethany Children's Home in Heidelberg Township, Berks County, into the Susquehanna River Basin for bulk water supply for drinking water bottling.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP), the Pennsylvania Fish and Boat Commission (PFBC), and the Delaware River Basin Commission (DRBC) 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:	DS Services of America, Inc.
Approval Type:	Into-Basin Diversion from the Delaware River Basin
Authorized Water Use Purpose:	Bulk Water Supply in Support of Drinking Water Bottling Operations
Municipality:	Heidelberg Township
County:	Berks County
State:	Pennsylvania

to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

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

6. The project sponsor shall keep daily records of the project's diversion 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, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

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

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

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

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

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

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

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

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

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

16. Should the project's anticipated diversion be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval.

17. This approval is effective until September 3, 2029. As specified in Commission Regulation 18 CFR §806.31(e), if the project sponsor submits an application on or before March 3, 2029, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

Section 6. Special Conditions

18. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a request for authorization 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.

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 4, 2014.

Dated: September 5, 2014


Stephanie L. Richardson